Course Change Request

Date Submitted: 10/08/18 10:01 am

Viewing: AERS 202: Evolution of Air and Space Power

Last edit: 10/11/18 11:53 am
Changes proposed by: uin626001068

Catalog Pages referencing this course
- AERS - Aerospace Studies (AERS)
- Aerospace Studies

Faculty Senate Number

Contact(s)

<table>
<thead>
<tr>
<th>Name</th>
<th>E-mail</th>
<th>Phone</th>
</tr>
</thead>
<tbody>
<tr>
<td>Maj Francisco Costa</td>
<td><a href="mailto:fcosta@corps.tamu.edu">fcosta@corps.tamu.edu</a></td>
<td>9798457611</td>
</tr>
</tbody>
</table>

Rationale for Course Edit

The proposed changes are part of a routine curriculum review.

Course prefix AERS Course number 202

Department Aerospace Studies
College/School Military Science

Academic Level Undergraduate

Undergraduate course level justification (Select One)
- Prerequisites

All prerequisites will be enforced through COMPASS.

Academic Level Graduate

Effective term 2019-2020

Complete Course Title Evolution of Air and Space Power

Abbreviated Course Title EVOL OF AIR&SPACE POWER

Catalog course description

Continuation of AERS 201; AFROTC cadets must register for Leadership Laboratory (AERS 106) as it complements this course with followership/leadership experience.

Prerequisites and Restrictions

- Grade of C or better in AERS 201; concurrent enrollment in AERS 106.

Concurrent Enrollment No

Should catalog prerequisites / concurrent enrollment be enforced? Yes

Approval Path

1. 07/26/18 4:51 pm
   Christopher Bennett (cbennetrutn): Approved for AERS Department Head
2. 07/30/18 11:30 am
   Meredith Simpson (msimpson): Approved for AERS Reviewer
3. 07/30/18 1:08 pm
   Terra Bissett (t.bissett): Rollback to AERS Reviewer for Curricular Services Review
4. 07/30/18 1:42 pm
   Meredith Simpson (msimpson): Rollback to Initiator
5. 10/08/18 12:00 pm
   Christopher Bennett (cbennetrutn): Approved for AERS Department Head
6. 10/11/18 8:33 am
   Meredith Simpson (msimpson): Approved for AERS Reviewer
7. 10/11/18 3:58 pm
   Terra Bissett (t.bissett): Approved for Curricular Services Review
8. 10/19/18 2:22 pm
   Ann Kenimer (a-kenimer): Approved for UGPX Department Head
Enforced Prerequisites / Concurrent Enrollment

<table>
<thead>
<tr>
<th>And/Or</th>
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<th>Min Grade/Score</th>
<th>Academic Level</th>
<th>Concurrency?</th>
</tr>
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<tbody>
<tr>
<td></td>
<td>AERS 201</td>
<td>C</td>
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<tr>
<td>And</td>
<td>AERS 106</td>
<td>S</td>
<td>UG</td>
<td>Yes</td>
</tr>
</tbody>
</table>

Crosslistings: No
Crosslisted With: No
Stacked: No
Stacked with: No

Semester: 1
Credit Hour(s): 1
Contact Hour(s) (per week):
Lecture: 1
Lab: 0
Other: 0
Total: 1
Repeatable for credit? No
Three-peat? No
CIP/Fund Code: 2803010099
Default Grade Mode: Letter Grade (G)
Alternate Grade Modes: Satisfactory/Unsatisfactory
Method of instruction: Lecture
Will sections of this course be taught as non-traditional? (i.e., parts of term, distance education): No
Will this course be taught as a distance education course? No
Is 100% of this course going to be taught in Texas? Yes
Will classroom space be needed for this course? Yes
This will be a required course or an elective course for the following programs:
Required (select program)
Elective (select program)
Has/will this course be(en) submitted for core curriculum consideration?  No

Has/will this course be(en) submitted for Writing or Communication consideration?  No

Has/will this course be(en) submitted for ICD or CD consideration?  No

**Course Syllabus**

Syllabus: Upload syllabus

Upload syllabus

Letters of support or other documentation  No

Additional information  AERS 106 is graded as a "Pass/Fail".

Reviewer Comments  Terra Bissett (t.bissett) (07/30/18 1:08 pm): Rollback: Rolling back as requested.
Meredith Simpson (msimpson) (07/30/18 1:42 pm): Rollback: Adjust pre-reqs to include only AERS 201/concurrent AERS 106
Sandra Williams (sandra-williams) (11/05/18 2:27 pm): UCC approved November 2018.

Reported to state?  No
Course Change Request

Date Submitted: 10/08/18 10:05 am

Viewing: AERS 303: Air Force Leadership Studies

Last edit: 10/11/18 11:52 am

Changes proposed by: uin626001068

Catalog Pages referencing this course
- AERS - Aerospace Studies (AERS)
- Aerospace Studies

Programs referencing this course
- MINOR-MI ST: Military Studies - Minor

Faculty Senate Number

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Rationale for Course

This proposed changes are to meet professional certification requirements. The proposed changes are part of a routine curriculum review.

Course prefix    AERS  
Course number  303

Department    Aerospace Studies
College/School    Military Science
Academic Level    Undergraduate

Undergraduate course level justification (Select One)
Prerequisites

All prerequisites will be enforced through COMPASS.

Academic Level    Graduate
Effective term    2019-2020

Complete Course Title
Air Force Leadership Studies
Abbreviated Course Title
AIR FORCE LDRSHIP STUDIES

Catalog course description
Leadership, management fundamentals, professional knowledge, Air Force personnel and evaluation systems, and leadership ethics; case studies of leadership and management situations as a means of demonstrating and exercising practical application of concepts; Air Force contract individuals (or those seeking a contract) must register for Leadership Lab (AERS 105).

Prerequisites and Restrictions
- Grade of C or better in AERS 202; concurrent enrollment in AERS 105

Concurrent Enrollment    No
Should catalog prerequisites / Yes No

In Workflow
1. AERS Department Head
2. AERS Reviewer
3. Curricular Services Review
4. UGPX Department Head
5. AP Dean
6. UCC Preparer
7. UCC Chair
8. Faculty Senate Preparer
9. Faculty Senate
10. Provost II
11. President
12. Curricular Services
13. Banner

Approval Path
1. 07/26/18 4:51 pm Christopher Bennett (cbennerun): Approved for AERS Department Head
2. 07/30/18 11:49 am Meredith Simpson (msimpson): Rollback to Initiator
3. 10/08/18 12:00 pm Christopher Bennett (cbennerun): Approved for AERS Department Head
4. 10/11/18 8:34 am Meredith Simpson (msimpson): Approved for AERS Reviewer
5. 10/11/18 3:59 pm Terra Bissett (t.bissett): Approved for Curricular Services Review
6. 10/19/18 2:22 pm Ann Kenimer (a-kenimer): Approved for UGPX Department Head
7. 10/19/18 2:25 pm Ann Kenimer (a-kenimer): Approved for AP Dean
8. 10/19/18 2:41 pm Sandra Williams (sandra-williams): Approved for UCC Preparer

https://nextcatalog.tamu.edu/courseleaf/approve/?role=Faculty%20Senate
**Enforced Prerequisites / Concurrent Enrollment**

<table>
<thead>
<tr>
<th>And/Or</th>
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<th>Min Grade/Score</th>
<th>Academic Level</th>
<th>)</th>
<th>Concurrency?</th>
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<tr>
<td>And</td>
<td>AERS 105</td>
<td>S</td>
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<td>Yes</td>
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<tr>
<td>And</td>
<td>AERS 202</td>
<td>C</td>
<td>UG</td>
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Crosslistings: No
Crosslisted With: No
Stacked: No
Stacked with: No

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<tr>
<th>Semester</th>
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<tbody>
<tr>
<td>Credit</td>
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</tr>
<tr>
<td>Hour(s)</td>
<td></td>
</tr>
</tbody>
</table>

Contact Hour(s) (per week):
- Lecture: 3
- Lab: 0
- Other: 0
- Total: 3

Repeatable for credit? No
Three-peat? No
CIP/Fund Code: 2803010099
Default Grade Mode: Letter Grade (G)
Alternate Grade Modes: Satisfactory/Unsatisfactory
Method of instruction: Lecture
Will sections of this course be taught as non-traditional? (i.e., parts of term, distance education) No

Will this course be taught as a distance education course? No
Is 100% of this course going to be taught in Texas? Yes
Will classroom space be needed for this course? Yes

This will be a required course or an elective course for the following programs:

Required (select program)
Elective (select program)

Has/will this course be(en) submitted for core curriculum consideration? No
Has/will this course be(en) submitted for Writing or Communication consideration? No
### Has/will this course be(en) submitted for ICD or CD consideration?

- No

### Course Syllabus

<table>
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<tr>
<td>Letters of support or other documentation</td>
<td>No</td>
</tr>
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</table>

### Additional information

- **AERS 105 is graded as a "Pass/Fail".**

### Reviewer Comments

- **Meredith Simpson (msimpson) (07/30/18 11:49 am):** Rollback: Adjust the pre-req to include only 202/concurrent 105. Otherwise, a PREREQ is required for every student who does not have all courses listed EACH time they register. By including only the preceding course, you accomplish the same goal and reduce administrative load.

- **Sandra Williams (sandra-williams) (11/05/18 2:27 pm):** UCC approved November 2018.

### Reported to state?

- No
Course Change Request

Viewing: AERS 304: Air Force Leadership Studies

Last edit: 10/11/18 11:55 am
Changes proposed by: uin626001068

Catalog Pages referencing this course
- AERS - Aerospace Studies (AERS)
- Aerospace Studies

Programs referencing this course
- MINOR-MILST: Military Studies - Minor

Faculty Senate Number

Contact(s)

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</table>

Rationale for Course

**The proposed changes are part of a routine curriculum review.**

Course prefix: AERS  
Course number: 304

Department: Aerospace Studies

College/School: Military Science

Academic Level: Undergraduate

Undergraduate course level justification (Select One)

- Prerequisites

All prerequisites will be enforced through COMPASS.

Academic Level (alternate): Graduate

Effective term: 2019-2020

Complete Course Title: Air Force Leadership Studies

Abbreviated Course Title: AIR FORCE LDRSHP STUDIES

Catalog course description

Continuation of AERS 303; Air Force contract individuals (or those seeking a contract) must register for Leadership Lab (AERS 106).

Prerequisites and Restrictions

- Grade of C or better in AERS 303; concurrent enrollment in AERS 106.

Concurrent Enrollment

- No

Should catalog prerequisites / concurrent enrollment be enforced?

- Yes

In Workflow

1. AERS Department Head
2. AERS Reviewer
3. Curricular Services Review
4. UGPX Department Head
5. AP Dean
6. UCC Preparer
7. UCC Chair
8. Faculty Senate Preparer
9. Faculty Senate
10. Provost II
11. President
12. Curricular Services
13. Banner

Approval Path

1. 07/26/18 4:51 pm  
   Christopher Bennett (cbennetrun): Approved for AERS Department Head

2. 07/30/18 11:49 am  
   Meredith Simpson (msimpson): Rollback to Initiator

3. 10/08/18 12:00 pm  
   Christopher Bennett (cbennetrun): Approved for AERS Department Head

4. 10/11/18 8:34 am  
   Meredith Simpson (msimpson): Approved for AERS Reviewer

5. 10/11/18 3:59 pm  
   Terra Bissett (t.bissett): Approved for Curricular Services Review

6. 10/19/18 2:22 pm  
   Ann Kenimer (a-kenimer): Approved for UGPX Department Head

7. 10/19/18 2:25 pm  
   Ann Kenimer (a-kenimer): Approved for AP Dean

8. 10/19/18 2:40 pm  
   Sandra Williams (sandra-williams): Approved for UCC Preparer
Enforced Prerequisites / Concurrent Enrollment

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<tr>
<td></td>
<td>AERS 106</td>
<td>S</td>
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<td>And</td>
<td>AERS 303</td>
<td>C</td>
<td>UG</td>
<td>No</td>
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Crosslistings: No  
Crosslisted With:  
Stacked: No  
Stacked with:  

Semester: 3  
Credit Hour(s): 3  
Contact Hour(s): 3  
Lecture: 3  
Lab: 0  
Other: 0  
Total: 3  
Repeatable for credit: No  
Three-peat: No  
CIP/Fund Code: 2803010099  
Default Grade Mode: Letter Grade (G)  
Alternate Grade Modes: Satisfactory/Unsatisfactory  
Method of instruction: Lecture  
Will sections of this course be taught as non-traditional? (i.e., parts of term, distance education) No  
Will this course be taught as a distance education course? No  
Is 100% of this course going to be taught in Texas? Yes  
Will classroom space be needed for this course? Yes  
This will be a required course or an elective course for the following programs:

Required (select program)  
Elective (select program)  
Has/will this course be(en) submitted for core curriculum consideration? No  
Has/will this course be(en) submitted for Writing or Communication consideration? No
Has/will this course be(en) submitted for ICD or CD consideration?  No

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<td>Letters of support or other documentation</td>
<td>No</td>
</tr>
<tr>
<td>Additional information</td>
<td>AERS 106 is graded as a &quot;Pass/Fail&quot;.</td>
</tr>
<tr>
<td>Reviewer Comments</td>
<td>Meredith Simpson (msimpson) (07/30/18 11:49 am): Rollback: Adjust the pre-req to include only 303/concurrent 106. Otherwise, a PREREQ is required for every student who does not have all courses listed EACH time they register. By including only the preceding course, you accomplish the same goal and reduce administrative load. Sandra Williams (sandra-williams) (11/05/18 2:27 pm): UCC approved November 2018.</td>
</tr>
<tr>
<td>Reported to state?</td>
<td>No</td>
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</table>
Course Change Request

Date Submitted: 10/08/18 10:11 am

Viewing: AERS 403: National Security Affairs--Preparation for Active Duty

Last edit: 11/05/18 2:28 pm
Changes proposed by: uin626001068

Catalog Pages
- AERS - Aerospace Studies (AERS)
- Aerospace Studies

Programs referencing this course
- MINOR-MLST: Military Studies - Minor

Faculty Senate Number

Contact(s)

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Rationale for Course

Edit

The proposed changes are part of a routine curriculum review.

Course prefix AERS  
Course number 403

Department Aerospace Studies

College/School Military Science

Academic Level Undergraduate

Undergraduate course level justification (Select One)

Prerequisites

All prerequisites will be enforced through COMPASS.

Academic Level Graduate

Effective term 2019-2020

Complete Course Title National Security Affairs--Preparation for Active Duty

Abbreviated Course Title NATL SECURITY AFFAIRS

Catalog course description

Examines the Constitution and the national security process; focuses on civilian control of the military; the roles of the 
Services; and the functions of the Air Force commands; Air Force contract individuals (or those seeking a contract) must 
register for Leadership Lab (AERS 105).

Prerequisites and Restrictions

Grade Non-Air Force contract students must have approval of C or better in AERS 304; concurrent enrollment in AERS 105; 
non-Air Force contract students must have approval of instructor and department head.

Concurrent Enrollment No

In Workflow
1. AERS Department Head
2. AERS Reviewer
3. Curricular Services Review
4. UGPX Department Head
5. AP Dean
6. UCC Preparer
7. UCC Chair
8. Faculty Senate Preparer
9. Faculty Senate
10. Provost II
11. President
12. Curricular Services
13. Banner

Approval Path
1. 07/26/18 4:52 pm
   Christopher Bennett (cbennetrutn): Approved for AERS Department Head
2. 07/30/18 11:50 am
   Meredith Simpson (msimpson): Rollback to Initiator
3. 10/08/18 12:01 pm
   Christopher Bennett (cbennetrutn): Approved for AERS Department Head
4. 10/11/18 8:35 am
   Meredith Simpson (msimpson): Approved for AERS Reviewer
5. 10/11/18 4:00 pm
   Terra Bissett (t.bissett): Approved for Curricular Services Review
6. 10/19/18 2:22 pm
   Ann Kenimer (a-kenimer): Approved for UGPX Department Head
7. 10/19/18 2:25 pm
   Ann Kenimer (a-kenimer): Approved for AP Dean
8. 10/19/18 2:41 pm
   Sandra Williams (sandra-williams): Approved for UCC Preparer

https://nextcatalog.tamu.edu/courseleaf/approve/?role=Faculty%20Senate
Should catalog prerequisites / concurrent enrollment be enforced?  

Yes No

Enforced Prerequisites / Concurrent Enrollment

<table>
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<tr>
<td>And</td>
<td>AERS 304</td>
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<td>And</td>
<td>AERS 105</td>
<td>S</td>
<td>UG</td>
<td>Yes</td>
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</table>

Crosslistings No

Stacked No

Semester 3  
Credit Hour(s) 3  
Contact Hour(s) (per week): Lecture: 3  
Lab: 0  
Other: 0  
Total: 3

Repeatable for credit? No  
Three-peat? No  
CIP/Fund Code 2803010099

Default Grade Mode Letter Grade (G)  
Alternate Grade Modes Satisfactory/Unsatisfactory  
Method of instruction Lecture

Will sections of this course be taught as non-traditional? (i.e., parts of term, distance education)  

No

Will this course be taught as a distance education course?  

No

Is 100% of this course going to be taught in Texas?  

Yes

Will classroom space be needed for this course?  

Yes

This will be a required course or an elective course for the following programs:

Required (select program)

Elective (select program)

Has/will this course be(en) submitted for core curriculum consideration?  

No

Has/will this course be(en) submitted for Writing or Communication consideration?  

No
Has/will this course be(en) submitted for ICD or CD consideration?  
No

**Course Syllabus**

Syllabus:  
Upload syllabus

Upload syllabus

Letters of support or other documentation  
No

Additional information  
AERS 105 is graded as a "Pass/Fail".

Reviewer Comments  
Meredith Simpson (msimpson) (07/30/18 11:50 am): Rollback: Adjust the pre-req to include only 304/concurrent 105. Otherwise, a PREREQ is required for every student who does not have all courses listed EACH time they register. By including only the preceding course, you accomplish the same goal and reduce administrative load.

Sandra Williams (sandra-williams) (11/05/18 2:27 pm): UCC approved November 2018.

Reported to state?  
No
Course Change Request

Date Submitted: 10/08/18 10:14 am

Viewing: AERS 404: National Security Affairs—Preparation for Active Duty

Last edit: 10/11/18 11:58 am
Changes proposed by: uin626001068

Catalog Pages referencing this course
- AERS - Aerospace Studies (AERS)
- Aerospace Studies

Programs referencing this course
- MINOR-MLST: Military Studies - Minor

Faculty Senate Number

Contact(s)

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Rationale for Course

Edit

The proposed changes are part of a routine curriculum review.

Course prefix: AERS  
Course number: 404

Department: Aerospace Studies
College/School: Military Science
Academic Level: Undergraduate

Undergraduate course level justification (Select One)

Prerequisites

All prerequisites will be enforced through COMPASS.

Academic Level: Graduate  
(alternate)

Effective term: 2019-2020

Complete Course Title
National Security Affairs—Preparation for Active Duty

Abbreviated Course Title
NATL SECURITY AFFAIRS

Catalog course description
National Security Affairs—Preparation for Active Duty. (3-0). Continuation of AERS 403; Air Force contract individuals (or those seeking a contract) must register for Leadership Lab (AERS 106).

Prerequisites and Restrictions
- Grade: Non-Air Force contract students must have approval of C or better in AERS 403; concurrent enrollment in AERS 106; non-Air Force contract students must have approval of instructor and department head.

Concurrent Enrollment
No

In Workflow
1. AERS Department Head
2. AERS Reviewer
3. Curricular Services Review
4. UGPX Department Head
5. AP Dean
6. UCC Preparer
7. UCC Chair
8. Faculty Senate Preparer
9. Faculty Senate
10. Provost II
11. President
12. Curricular Services
13. Banner

Approval Path
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   Christopher Bennett (cbennetrun): Approved for AERS Department Head
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   Meredith Simpson (msimpson): Rollback to Initiator
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   Christopher Bennett (cbennetrun): Approved for AERS Department Head
4. 10/11/18 8:35 am  
   Meredith Simpson (msimpson): Approved for AERS Reviewer
5. 10/11/18 4:00 pm  
   Terra Bissett (t.bissett): Approved for Curricular Services Review
6. 10/19/18 2:22 pm  
   Ann Kenimer (a-kenimer): Approved for UCC Preparer
7. 10/19/18 2:41 pm  
   Sandra Williams (sandra-williams): Approved for AP Dean
8. 10/19/18 2:41 pm  
   Sandra Williams (sandra-williams): Approved for UCC Preparer
Should catalog prerequisites / concurrent enrollment be enforced? Yes

Enforced Prerequisites / Concurrent Enrollment

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<tr>
<td>And</td>
<td>AERS 403</td>
<td>C</td>
<td>UG</td>
<td>No</td>
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<td></td>
<td>AERS 106</td>
<td>S</td>
<td>UG</td>
<td>Yes</td>
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Crosslistings: No
Stacked: No

Semester: 3
Credit: 3
Hour(s):
Contact Hour(s): 3
Lecture: 3
Lab: 0
Other: 0
Total: 3

Repeatable for credit: No
Three-peat: No
CIP/Fund Code: 2803010099
Default Grade Mode: Letter Grade (G)
Alternate Grade Modes: Satisfactory/Unsatisfactory
Method of instruction: Lecture

Will sections of this course be taught as non-traditional? (i.e., parts of term, distance education) No

Will this course be taught as a distance education course? No
Is 100% of this course going to be taught in Texas? Yes
Will classroom space be needed for this course? Yes

This will be a required course or an elective course for the following programs:

Required (select program)

Elective (select program)

Has/will this course be(en) submitted for core curriculum consideration? No

Has/will this course be(en) submitted for Writing or Communication consideration? No
## Course Syllabus

<table>
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<th>Syllabus:</th>
<th>Upload syllabus</th>
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<td>Letters of support or other documentation</td>
<td>No</td>
</tr>
<tr>
<td>Additional information</td>
<td><strong>AERS 106 is graded as a &quot;Pass/Fail&quot;.</strong></td>
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| Reviewer Comments | **Meredith Simpson** (msimpson) *(07/30/18 11:50 am)*: Rollback: Adjust the pre-req to include only 403/concurrent 106. Otherwise, a PREREQ is required for every student who does not have all courses listed EACH time they register. By including only the preceding course, you accomplish the same goal and reduce administrative load.  
**Sandra Williams** (sandra-williams) *(11/05/18 2:29 pm)*: UCC approved November 2018. |
| Reported to state? | No |
Course Change Request

Date Submitted: 10/08/18 10:16 am

Viewing: AERS 485 : Directed Studies

Last approved: 01/12/17 6:25 pm
Last edit: 10/11/18 12:00 pm
Changes proposed by: uin626001068

Catalog Pages referencing this course
AERS - Aerospace Studies (AERS)
Aerospace Studies

Faculty Senate Number

Contact(s)

<table>
<thead>
<tr>
<th>Name</th>
<th>E-mail</th>
<th>Phone</th>
</tr>
</thead>
<tbody>
<tr>
<td>Maj Francisco Costa</td>
<td><a href="mailto:fcosta@corps.tamu.edu">fcosta@corps.tamu.edu</a></td>
<td>9798457611</td>
</tr>
</tbody>
</table>

Rationale for Course
Edit
The proposed changes are part of a routine curriculum review.

Course prefix AERS Course number 485
Department Aerospace Studies
College/School Military Science
Academic Level Undergraduate

Undergraduate course level justification (Select One)

Prerequisites
All prerequisites will be enforced through COMPASS.

Academic Level
Graduate

Effective term 2019-2020 2016-2017 Spring

Complete Course Title Directed Studies
Abbreviated Course Title DIRECTED STUDIES

Catalog course description
Directed study of problems in the field of aerospace studies.

Prerequisites and Restrictions
Grade of C in Air Force ROTC Cadet: junior or better in AERS 404; Air Force ROTC Cadet: junior or senior classification; approval of department head.

Concurrent Enrollment No
Should catalog prerequisites / concurrent enrollment be enforced? **Yes**

Enforced Prerequisites / Concurrent Enrollment

<table>
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<tr>
<th>And/Or</th>
<th>Course Prefix/Number</th>
<th>Min Grade/Score</th>
<th>Academic Level</th>
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Crosslistings: **No**
Crosslisted With: **No**

Stacked: **No**
Stacked with: **No**

Semester Credit: 1-3
Credit Hour(s): (per week):
Lecture: 0
Lab: 0
Other: 1-3
Total: 1-3

Repeatable for credit: **Yes**
Number of times repeated for credit: - OR -
Maximum number of hours: 12
When will this course be repeated? Within a student's career
Three-peat? **Yes**

CIP/Fund Code: 2803010099

Default Grade Mode: Letter Grade (G)
Alternate Grade Modes: Satisfactory/Unsatisfactory
Method of instruction: Independent Study

Will sections of this course be taught as non-traditional? (i.e., parts of term, distance education) **No**

Will this course be taught as a distance education course? **Yes**

Is 100% of this course going to be taught in Texas? **Yes**

Will classroom space be needed for this course? **Yes**

This will be a required course or an elective course for the following programs:

Required (select program)
Elective (select program)

Has/will this course be(en) submitted for **No**

9. 11/05/18 2:30 pm
Sandra Williams (sandra-williams): Approved for UCC Chair

History
1. Jan 12, 2017 by sarah.gordon
| core curriculum consideration? | No |
| Has/will this course be(en) submitted for Writing or Communication consideration? | No |
| Has/will this course be(en) submitted for ICD or CD consideration? | No |

## Course Syllabus

**Syllabus:**
Upload syllabus

Upload syllabus

**Letters of support or other documentation**
No

**Additional information**

**Reviewer Comments**

Meredith Simpson (msimpson) (07/30/18 11:51 am): Rollback: Adjust the pre-req to include only 404. Otherwise, a PREREQ is required for every student who does not have all courses listed EACH time they register. By including only the preceding course, you accomplish the same goal and reduce administrative load.

Sandra Williams (sandra-williams) (11/05/18 2:30 pm): UCC approved November 2018.

**Reported to state?**
No
Course Change Request

Viewing: AGEC 217: Fundamentals of Agricultural Economics Analysis

Faculty Senate Number: FS.35.008

Contact(s)

<table>
<thead>
<tr>
<th>Name</th>
<th>E-mail</th>
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<tr>
<td>Donna Chester</td>
<td><a href="mailto:dchester@tamu.edu">dchester@tamu.edu</a></td>
<td>(979)845-4911</td>
</tr>
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</table>

Rationale for Course Change

The proposed changes are part of a routine curriculum review.

Course prefix: AGEC  Course number: 217

Department: Agricultural Economics

College/School: Agriculture & Life Sciences

Academic Level: Undergraduate

Undergraduate course level justification (Select One)

Academic Level (alternate): Graduate


Complete Course Title
Fundamentals of Agricultural Economics Analysis

Abbreviated Course Title
FUND OF AG ECON ANALYSIS

Catalog course description
Relates contemporary agribusiness issues to economic and financial management, illustrating their integration toward pragmatic applications in the agricultural industry; lab focuses on the integration of mathematics and economics with computer skills directed toward spreadsheets, databases, web pages, and communications software. Software emphasis is on writing as a critical communication skill.

Prerequisites and Restrictions

In Workflow
1. AGEC Department Head
2. Curricular Services Review
3. AG Committee Preparer UG
4. AG Committee Chair UG
5. AG College Dean UG
6. UCC Preparer
7. UCC Chair
8. Faculty Senate Preparer
9. Provost Senate
10. President
11. Curricular Services
12. Banner

Approval Path
1. 09/20/18 10:52 am Mark L. Waller (mwaller): Approved for AGEC Department Head
2. 09/20/18 2:56 pm Terra Bissett (t.bissett): Approved for Curricular Services Review
3. 09/21/18 10:22 am Dawn Kerstetter (dkerstetter): Approved for AG Committee Preparer UG
4. 10/05/18 9:47 am Bob Knight (bob-knight): Approved for AG Committee Chair UG
5. 10/05/18 9:54 am Dawn Kerstetter (dkerstetter): Approved for AG College Dean UG
6. 10/08/18 1:52 pm Sandra Williams (sandra-williams): Approved for UCC Preparer
7. 11/05/18 2:30 pm Sandra Williams (sandra-williams): Approved for UCC Chair

History
1. Feb 8, 2018 by Donna Chester (dchester)
AGEC 105; ENGL 103 or ENGL 104; MATH 141, MATH 140, or MATH 166; MATH 142; sophomore or junior agricultural economics or agribusiness majors; or approval of department head.

Should catalog prerequisites / concurrent enrollment be enforced? Yes

Enforced Prerequisites / Concurrent Enrollment

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<td>And</td>
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Crosslistings No

Semester 3
Credit Hour(s)
Repeatable for credit? No
Three-peat? No
CIP/Fund Code 0101020005
Default Grade Mode Letter Grade (G)
Alternate Grade Modes Satisfactory/Unsatisfactory
Method of instruction Lecture and Laboratory

Will sections of this course be taught as non-traditional? (i.e., parts of term, distance education) No

Will this course be taught as a distance education course? No

Is 100% of this course going to be taught in Texas? Yes

Will classroom space be needed for this course? Yes

This will be a required course or an elective course for the following programs:
Required (select program)
Elective (select program)
Has/will this course been submitted for core curriculum consideration? No

Has/will this course been submitted for Writing or Communication consideration? No

Has/will this course been submitted for ICD or CD consideration? No

**Course Syllabus**

<table>
<thead>
<tr>
<th>Syllabus:</th>
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<td>Letters of support or other documentation</td>
<td>Yes</td>
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Additional information

Reviewer Comments: Sandra Williams (sandra-williams) (11/05/18 2:30 pm): UCC approved November 2018.

Reported to state? No
MEMORANDUM

TO: Mr. Michael K. Young
   President

THROUGH: Dr. Carol A. Fiarke
   Provost and Executive Vice President

FROM: Dr. Michael Benedik
   Vice Provost

SUBJECT: August 14, 2017 Faculty Senate Items

All of the attached August 2017 Faculty Senate items have been reviewed and approved by college, university curriculum, Faculty Senate and Office of the Provost.

New Course Requests, Course Change Requests, Course Withdrawal Requests, Change in Curriculum Requests; W-Certification and Recertification; C-Recertification:
Approval recommended. FS.35.003; FS.35.004; FS.35.005; FS.35.007; FS.35.008; FS.35.009; FS.35.010; FS.35.011; FS.35.012; FS.35.013; FS.35.014; FS.35.015; FS.35.016;

FS.35.017: Approval recommended. Collaborative degree program between the Bush School of Government and Public Service, Master of Public Service and Administration (MPSA) degree program and the College of Education and Human Development, Doctor of Philosophy in Educational Administration degree program. Both degrees are currently offered at Texas A&M. After successful completion of the program requirements, the student will receive an MPSA and PhD in Educational Administration. No external action required.

FS.35.018: Approval recommended. College of Education and Human Development, PhD in Educational Administration SCH change from 64 to 72 SCH. The SCH change is for students entering with a Master's degree. The 96 SCH on the Program Inventory will not change. This is an internal change. No external action to the THECB required.

FS.35.019: Review recommended. August 2017 graduation recommendations.

Attachments
Course Change Request

Viewing: **AGSM 310 : Agricultural Machinery Management**

Last approved: 02/24/18 3:28 am

Changes proposed by: asheaschroeder

**Rationale for Course**

**Edit**

The proposed changes are part of a routine curriculum review.

**Course prefix** AGSM  
**Course number** 310  
**Department** Biological & Agricultural Eng  
**College/School** Agriculture & Life Sciences  
**Academic Level** Undergraduate  
**Effective term** 2019-2020 2018-2019  
**Complete Course Title** Agricultural Machinery Management

**Abbreviated Course Title** AGRI MACHINERY MGMT

**Catalog course description**

Selection of a matched complement of power units and machines for farming operations; consider constraints such as crops, season, weather, personnel and capital; apply systems techniques such as linear programming, optimization, queuing theory and inventory models; utilize available software programs and learn to develop electronic spreadsheets and other customized software.

**Prerequisites and Restrictions**

AGSM 201; grade of C or better in AGSM 301 or concurrent enrollment; grade of C or better in PHYS 201. enrollment..

**Concurrent Enrollment** No

---

**Approval Path**

1. 09/18/18 4:32 pm  
   Stephen Searcy (ssearcy): Approved for BAEN Department Head

2. 09/19/18 10:03 am  
   Terra Bissett (t.bissett): Approved for Curricular Services Review

3. 09/19/18 10:04 am  
   Dawn Kerstetter (dkerstetter): Approved for AG Committee Preparer UG

4. 10/05/18 9:47 am  
   Bob Knight (bob-knight): Approved for AG Committee Chair UG

5. 10/05/18 9:55 am  
   Dawn Kerstetter (dkerstetter): Approved for AG College Dean UG

6. 10/08/18 1:52 pm  
   Sandra Williams (sandra-williams): Approved for UCC Preparer

7. 11/08/18 2:30 pm  
   Sandra Williams (sandra-williams): Approved for UCC Chair

---

**History**

1. Feb 24, 2018 by Ashlea Schroeder
Should catalog prerequisites / concurrent enrollment be enforced? Yes

Enforced Prerequisites / Concurrent Enrollment

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<tr>
<th>And/Or</th>
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Crosslistings No
Crosslisted With

Stacked No
Stacked with

Semester Credit 3
Credit Hour(s) Contact Hour(s) (per week):
Lecture: 2 Lab: 2 Other: 0 Total 4
Repeatable for credit? No
Three-peat? No
CIP/Fund Code 0101040005
Default Grade Mode Letter Grade (G)
Alternate Grade Modes Satisfactory/Unsatisfactory
Method of instruction Lecture and Laboratory
Will sections of this course be taught as non-traditional? (i.e., parts of term, distance education) No
Will this course be taught as a distance education course? No
Is 100% of this course going to be taught in Texas? Yes
Will classroom space be needed for this course? Yes

This will be a required course or an elective course for the following programs:

<table>
<thead>
<tr>
<th>Program(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>(BS-AGSM) Agricultural Systems Management - BS</td>
</tr>
</tbody>
</table>

Required (select program)

Elective (select program)

Has/will this course be(en) submitted for core curriculum consideration? No
Has/will this course be(en) submitted for Writing or
Course Syllabus

Syllabus: Upload syllabus
Upload syllabus

Letters of support or other documentation: Yes
Upload files

Additional information

Reviewer Comments:
- **Terra Bissett (t.bissett)** (09/19/18 10:02 am): Syllabus not required for this type of change.
- **Sandra Williams (sandra-williams)** (11/05/18 2:30 pm): UCC approved November 2018.

Reported to state?: No
## Course Change Request

**Viewing: AGSM 335: Water and Soil Management**

**Last approved:** 09/20/18 3:21 am  
**Last edit:** 09/27/18 1:22 pm

Changes proposed by: ashleaschroeder

<table>
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<tr>
<th>Contact(s)</th>
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<tbody>
<tr>
<td><strong>Name</strong></td>
<td>Ashlea Schroeder</td>
</tr>
<tr>
<td><strong>E-mail</strong></td>
<td><a href="mailto:aschroeder@tamu.edu">aschroeder@tamu.edu</a></td>
</tr>
<tr>
<td><strong>Phone</strong></td>
<td>9798450609</td>
</tr>
</tbody>
</table>

**Rationale for Course**

**Edit**

The proposed changes are part of a routine curriculum review.  
**The proposed changes are the result of teaching the maximum allowed times for a temporary course.**

<table>
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<tr>
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<tr>
<td><strong>Course number</strong></td>
<td>335</td>
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</table>

| Department | Biological & Agricultural Eng |
| College/School | Agriculture & Life Sciences |
| Academic Level | Undergraduate |

**Undergraduate course level justification (Select One)**

**Prerequisites**

All prerequisites will be enforced through COMPASS.

| Academic Level (alternate) | Graduate |
| Effective term | 2019-2020 2018-2019 |

| Complete Course Title | Water and Soil Management |
| Abbreviated Course Title | WATER & SOIL MGMT |

**Catalog course description**

Elementary principles of surface and ground water supply, flood control, water distribution systems and irrigation systems; principles of drainage, soil conservation and erosion control; elementary surveying, chaining, leveling and mapping applied to agricultural and natural resource needs; illustrated by practical examples of terracing and farm pond design.

**Prerequisites and Restrictions**

Grade of C or better in MATH 140 or MATH 141; grade of C or better in CHEM 101 and CHEM 111, or CHEM 107 and CHEM 117, or CHEM 119; or approval of instructor.

| Concurrent Enrollment | No |

## Approval Path

1. 09/26/18 5:16 pm  
Zivko Nikolov (znikolov): Approved for BAEN Department Head
2. 09/28/18 9:49 am  
Terra Bissett (t.bissett): Approved for Curricular Services Review
3. 09/28/18 11:02 am  
Dawn Kerstetter (dkerstetter): Approved for AG Committee Preparer UG
4. 10/05/18 9:47 am  
Bob Knight (bob-knight): Approved for AG Committee Chair UG
5. 10/05/18 9:56 am  
Dawn Kerstetter (dkerstetter): Approved for AG College Dean UG
6. 10/08/18 1:52 pm  
Sandra Williams (sandra-williams): Approved for UCC Preparer
7. 11/05/18 2:31 pm  
Sandra Williams (sandra-williams): Approved for UCC Chair

## History

1. Feb 24, 2018 by Ashlea Schroeder
**AGSM 335: Water and Soil Management**

Should catalog prerequisites / concurrent enrollment be enforced? Yes

### Enforced Prerequisites / Concurrent Enrollment

<table>
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<th>And/Or</th>
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Crosslistings No

Stacked No

Semester 3

Contact Hour(s) (per week): Lecture: 2 Lab: 3 Other: 0 Total 5

Repeatable for credit? No

Three-peat? No

CIP/Fund Code 0102050019

Default Grade Mode Letter Grade (G)

Alternate Grade Modes Satisfactory/Unsatisfactory

Method of instruction Lecture and Laboratory

Will sections of this course be taught as non-traditional? (i.e., parts of term, distance education) Yes

Will this course be taught as a distance education course? No

Is 100% of this course going to be taught in Texas? Yes

Will classroom space be needed for this course? Yes

This will be a required course or an elective course for the following programs:

**Required (select program)**

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<tr>
<th>Program(s)</th>
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<tbody>
<tr>
<td>(BS-AGSM) Agricultural Systems Management - BS</td>
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</table>

**Elective (select program)**

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Has/will this course be(submitted for core curriculum consideration? No
Has/will this course be(submitted for Writing or Communication consideration? No
Has/will this course be(submitted for ICD or CD consideration? No

**Course Syllabus**

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**Additional information**

**Reviewer Comments** Sandra Williams (sandra-williams) [11/05/18 2:30 pm]: UCC approved November 2018.

**Reported to state?** No
Course Change Request

Viewing: AGSM 337 : Technology for Environmental and Natural Resource Engineering

Last approved: 09/20/18 3:21 am
Last edit: 09/28/18 9:53 am

Changes proposed by: asleaschroeder

Contact(s)

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<thead>
<tr>
<th>Name</th>
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<tr>
<td>Ashlea Schroeder</td>
<td><a href="mailto:aschroeder@tamu.edu">aschroeder@tamu.edu</a></td>
<td>9798450609</td>
</tr>
</tbody>
</table>

Rationale for Course

The proposed changes are part of a routine curriculum review.

Course prefix    AGSM
Department        Biological & Agricultural Eng
College/School   Agriculture & Life Sciences
Academic Level   Undergraduate

Undergraduate course level justification (Select One)

Prerequisites

All prerequisites will be enforced through COMPASS.

Academic Level

Graduate

Effective term    2019-2020 2018-2019

Complete Course Title

Technology for Environmental and Natural Resource Engineering

Abbreviated Course Title

TECH ENV NAT RES ENGR

Catalog course description

For the nonengineering student in the environmental and management sciences; concentrates on the application of technology for solving local environmental problems while considering global issues; reduction of water, air and hazardous waste pollutants; legislative issues and modeling.

Prerequisites and Restrictions

Grade of C or better in MATH 140 or MATH 141 and MATH 142, or MATH 151 and MATH 152, or AGSM 301.

Concurrent Enrollment

No
Should catalog prerequisites / concurrent enrollment be enforced? Yes

Enforced Prerequisites / Concurrent Enrollment

<table>
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<th>And/Or</th>
<th>Course Prefix/Number</th>
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Crosslistings No  Crosslisted With
Stacked No  Stacked with

Semester: 3  Contact Hour(s) 3  Credit Hour(s) 3  Lecture: 3  Lab: 0  Other: 0  Total: 3
Repeatable for credit? No
Three-peat? No
CIP/Fund Code 1403010006
Default Grade Mode Letter Grade (G)
Alternate Grade Modes Satisfactory/Unsatisfactory
Method of instruction Lecture
Will sections of this course be taught as non-traditional? (i.e., parts of term, distance education) No Yes
Will this course be taught as a distance education course? No
Is 100% of this course going to be taught in Texas? Yes
Will classroom space be needed for this course? Yes

Required (select program) (BS-AGSM) Agricultural Systems Management - BS

Elective (select program) (BS-AGSM) Agricultural Systems Management - BS

Has/will this course be (en) submitted for No
### Course Syllabus

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**Additional information**

**Reviewer Comments**

Sandra Williams (sandra-williams) (11/05/18 2:31 pm): UCC approved November 2018.

**Reported to state?**

No
Course Change Request

Viewing: AGSM 435 : Irrigation Principles and Management

Last approved: 02/24/18 3:28 am
Last edit: 09/27/18 1:30 pm
Changes proposed by: asheaschroeder

Catalog Pages referencing this course
AGSM - Agricultural Systems Mgmt (AGSM)
Department of Biological and Agricultural Engineering

Programs referencing this course
MINOR-AGSM: Agricultural Systems Management - Minor

Faculty Senate Number: FS.35.113

Contact(s)

<table>
<thead>
<tr>
<th>Name</th>
<th>E-mail</th>
<th>Phone</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ashlea Schroeder</td>
<td><a href="mailto:aschroeder@tamu.edu">aschroeder@tamu.edu</a></td>
<td>9798450609</td>
</tr>
</tbody>
</table>

Rationale for Course

Edit
The proposed changes are part of a routine curriculum review.

Course prefix: AGSM  
Course number: 435

Department: Biological & Agricultural Engineering
College/School: Agriculture & Life Sciences
Academic Level: Undergraduate

Undergraduate course level justification (Select One)

- **Prerequisites**

All prerequisites will be enforced through COMPASS.

Academic Level (alternate): Graduate

Effective term: **2019-2020 2018-2019**

Complete Course Title
Irrigation Principles and Management

Abbreviated Course Title
IRRIG PRIN & MGMT

Catalog course description
Principles of irrigation and management for efficient use of water; soil-water-plant relationships; methods of application; power and labor requirements; automated systems and components.

Prerequisites and Restrictions
Grade of C or better in MATH 140 or MATH 141; grade of C or better in CHEM 101 and CHEM **111 or CHEM 119.**

Concurrent Enrollment: No
Should catalog prerequisites: Yes

https://nextcatalog.tamu.edu/courseleaf/approve/?role=Faculty%20Senate

In Workflow
1. BAEN Department Head
2. Curricular Services Review
3. AG Committee Preparer UG
4. AG Committee Chair UG
5. AG College Dean UG
6. UCC Preparer
7. UCC Chair
8. Faculty Senate Preparer
9. Faculty Senate
10. Provost UG
11. President
12. Curricular Services
13. Banner

Approval Path
1. 09/26/18 5:16 pm Zivko Nikolov (znikolov): Approved for BAEN Department Head
2. 09/28/18 9:56 am Terra Bisse (t.bisse): Approved for Curricular Services Review
3. 09/28/18 11:04 am Dawn Kersteer (dkersteer): Approved for AG Committee Preparer UG
4. 10/04/18 4:00 pm Bob Knight (bob-knight): Approved for AG Committee Chair UG
5. 10/05/18 8:30 am Dawn Kersteer (dkersteer): Approved for AG College Dean UG
6. 10/08/18 1:52 pm Sandra Williams (sandra-williams): Approved for UCC Preparer
7. 11/05/18 2:31 pm Sandra Williams (sandra-williams): Approved for UCC Chair

History
1. Feb 24, 2018 by Ashlea Schroeder
enforced?  

**Enforced Prerequisites / Concurrent Enrollment**

<table>
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<tr>
<th>And/Or</th>
<th>Course Prefix/Number</th>
<th>Min Grade/Score</th>
<th>Academic Level</th>
<th>Concurrency?</th>
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<tbody>
<tr>
<td>{</td>
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<td>Or</td>
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<td>C</td>
<td>UG</td>
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<td>And</td>
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<td>And</td>
<td>CHEM 111</td>
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<tr>
<td>Or</td>
<td>CHEM 119</td>
<td>C</td>
<td>UG</td>
<td>)</td>
</tr>
</tbody>
</table>

- **Crosslistings**: No
- **Stacked**: No

**Contact Hour(s)**
- Lecture: 2
- Lab: 3
- Other: 0
- Total: 5

**Repeatable for credit?**: No
**Three-peat?**: No
**CIP/Fund Code**: 0102010019
**Default Grade Mode**: Letter Grade (G)
**Alternate Grade Modes**: Satisfactory/Unsatisfactory
**Method of instruction**: Lecture and Laboratory

**Will sections of this course be taught as non-traditional? (i.e., parts of term, distance education)**: No

**Will this course be taught as a distance education course?**: No
**Is 100% of this course going to be taught in Texas?**: Yes
**Will classroom space be needed for this course?**: Yes

This will be a required course or an elective course for the following programs:

**Required (select program)**

**Elective (select program)**

- (BS-AGSM) Agricultural Systems Management - BS

**Has/will this course be(en) submitted for core curriculum consideration?**: No

**Has/will this course be(en) submitted for**
### Course Syllabus

| Syllabus: | Upload syllabus |
| Letters of support or other documentation | Yes |
| Upload files | [PresidentApprovalFacultySenateItems121117.pdf](https://nextcatalog.tamu.edu/courseleaf/approve/?role=Faculty%20Senate) |
| Additional information | |
| Reviewer Comments | Sandra Williams (sandra-williams) (11/05/18 2:31 pm): UCC approved November 2018. |
| Reported to state? | No |
Course Change Request

Viewing: ALED 424: Applied Ethics in Leadership

Date Submitted: 09/18/18 12:30 pm

Rationale for Course
Edit
The proposed changes are part of a routine curriculum review.

Course prefix: ALED
Course number: 424
Department: Ag Leadership, Educ & Comm
College/School: Agriculture & Life Sciences
Academic Level: Undergraduate
Undergraduate course level justification (Select One):
College/Program Course Level Rubric

Effective term: 2019-2020

Complete Course Title
Applied Ethics in Leadership

Abbreviated Course Title
APPLD ETHICS IN LDRSHIP

Catalog course description
Exploration of ethical and moral theories and the application to multiple leadership contexts and situations.

Prerequisites and Restrictions
Junior or senior classification, classification: grade of C or better in ALED 301.

Concurrent Enrollment
No

Should catalog prerequisites / concurrent enrollment be enforced?
Yes

Contact(s)

<table>
<thead>
<tr>
<th>Name</th>
<th>E-mail</th>
<th>Phone</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ashley Winterrowd</td>
<td><a href="mailto:awinterrowd@tamu.edu">awinterrowd@tamu.edu</a></td>
<td>9794580390</td>
</tr>
</tbody>
</table>

Approval Path

1. 09/18/18 9:50 am Jamie Norgaard (jnorgaard): Approved for ALEC Department Head
2. 09/18/18 11:27 am Terra Bissett (t.bissett): Rollback to ALEC Department Head for Curricular Services Review
3. 09/18/18 12:17 pm Jamie Norgaard (jnorgaard): Rollback to Initiator
4. 09/18/18 12:50 pm Tracy Rutherford (rutherford): Approved for ALEC Department Head
5. 09/18/18 1:28 pm Terra Bissett (t.bissett): Approved for Curricular Services Review
6. 09/18/18 1:29 pm Dawn Kersteer (dkersteer): Approved for Curricular Services Review
7. 10/05/18 9:48 am Bob Knight (bob-knight): Approved for AG Committee Prepener UG
8. 10/05/18 9:57 am Dawn Kersteer (dkersteer): Approved for AG College Dean UG

https://nextcatalog.tamu.edu/courseleaf/approve/?role=Faculty%20Senate
Enforced Prerequisites / Concurrent Enrollment

<table>
<thead>
<tr>
<th>And/Or</th>
<th>Course Prefix/Number</th>
<th>Min Grade/Score</th>
<th>Academic Level</th>
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<th>Concurrency?</th>
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<tr>
<td></td>
<td>ALED 301</td>
<td>C</td>
<td>UG</td>
<td></td>
<td>No</td>
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Crosslistings: No
Crosslisted With: No

Stacked: No
Stacked with: No

Semester: 3
Credit Hour(s): 3

Contact Hour(s) (per week):
Lecture: 3
Lab: 0
Other: 0
Total: 3
Repeatable for credit?: No
Three-peat?: No

CIP/Fund Code: 3801030001
Default Grade Mode: Letter Grade (G)
Alternate Grade Modes: Satisfactory/Unsatisfactory

Method of instruction: Lecture

Will sections of this course be taught as non-traditional? (i.e., parts of term, distance education):
Yes

Learning Outcomes
Meets traditional face-to-face learning outcomes.
Describe how learning outcomes are met or provide justification why they are not met.
This course meets learning outcomes through lectures and assignments.

Hours
Meets traditional face-to-face hours.
Describe how hours are met or provide justification why they are not met.
This course meets hours through lectures and assignments.

Will this course be taught as a distance education course?
Yes

I verify that I have reviewed the FAQ for
Yes
Export Control Basics for Distance Education.

Is 100% of this course going to be taught in Texas? Yes

Will classroom space be needed for this course? Yes

This will be a required course or an elective course for the following programs:

<table>
<thead>
<tr>
<th>Required (select program)</th>
<th>Program(s)</th>
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<tbody>
<tr>
<td>(BS-ALED) Agricultural Leadership and Development - BS</td>
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</tr>
<tr>
<td>(BS-USAL-LED*) University Studies - BS, Leadership Studies Concentration</td>
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</table>

<table>
<thead>
<tr>
<th>Elective (select program)</th>
<th>Program(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>(MINOR-LDAG) Leadership - Minor</td>
<td></td>
</tr>
</tbody>
</table>

Has/will this course been submitted for core curriculum consideration? No

Has/will this course be submitted for Writing or Communication consideration? No

Has/will this course be submitted for ICD or CD consideration? No

**Course Syllabus**

Syllabus: Upload syllabus

Upload syllabus [ALED 424 Syllabus Online.docx]

Letters of support or other documentation

No

Additional information

Reviewer Comments

Terra Bissett (t.bissett) (09/18/18 11:27 am): Rollback: Please update "Undergraduate course level justification (select one)" on form.

Jamie Norgaard (jnorgaard) (09/18/18 12:17 pm): Rollback: Rollback: Please update "Undergraduate course level justification (select one)" on form.

Terra Bissett (t.bissett) (09/18/18 1:25 pm): Syllabus not required for this type of change.

Terra Bissett (t.bissett) (09/18/18 1:27 pm): Please note: course previously approved for non-traditional format.

Sandra Williams (sandra-williams) (11/05/18 2:31 pm): UCC approved November 2018.

Reported to state? No

Key: 982
MEMORANDUM

TO: Mr. Michael K. Young President
THROUGH: Dr. Carol A. Fierke Provost and Executive Vice President
FROM: Dr. Michael Benedik Vice Provost

SUBJECT: June 11, 2018 Faculty Senate Items

All of the attached June 11 Faculty Senate items have been reviewed and approved by college, university curriculum, Faculty Senate and Office of the Provost.

New Course Requests, Course Change Requests, Course Withdrawal Requests, Change in Curriculum Requests, W&C Courses, Course Inactivations, and Change in Programs with no external action
Approval recommended. FS.36.025; FS.36.026; FS.36.027; FS.36.028; FS.36.031; FS.36.032; FS.36.033; FS.36.034; FS.36.035; FS.36.036; FS.36.037; FS.36.038; FS.36.039; FS.36.040; FS.36.041; FS.36.042.

FS.36.029: Approval recommended. College of Engineering, Department of Mechanical Engineering, Master of Science in Mechanical Engineering. Request to change SChs from 32 to 30. External action: Submit Request to Change Semester Credit Hours form to the System for TEHCB approval.

FS.36.30: Approval recommended. College of Engineering, Department of Petroleum Engineering, Master of Science in Petroleum Engineering. Request to change SChs from 32 to 30. External action: Submit Request to Change Semester Credit Hours form to the System for TEHCB approval.

FS.36.043: Student Rule 10.21 Grading. Approval recommended. Students are sometimes confused by the statement about First Year Grade exclusion and do not realize it is no longer an option. Adding a date would clarify this. Addition to section 10.21 to add a date when the option for First Year Grade exclusion ended—"The ability to exercise First Year Grade Exclusion was eliminated on August 23, 2013."


Attachments

Jack K. Williams Administration Building
Suite 100
1243 TAMU
College Station, TX 77843-1243 USA
Tel: +1 979 864 3018 / Fax: +1 979 845 0994
www.tamu.edu/provost
Course Change Request

Date Submitted: 09/18/18 12:19 pm

Viewing: **ANSC NFSC-326 : Food Bacteriology**

Also listed as: **DASC-326 / NFSC 326**

Formerly known as: **DASC 326 / FSTC 326**

Last approved: 01/24/18 3:24 am

Last edit: 09/25/18 2:12 pm

Changes proposed by: d-witt

Catalog Pages referencing this course:

- **DASC 326:**
  - ANSC - Animal Science
  - DASC - Dairy Science (DASC)
  - Department of Animal Science
  - Department of Nutrition and Food Science
  - Department of Nutrition and Food Science
  - Department of Poultry Science
  - NFSC - Nutrition and Food Science

Contact(s)

<table>
<thead>
<tr>
<th>Name</th>
<th>E-mail</th>
<th>Phone</th>
</tr>
</thead>
<tbody>
<tr>
<td>Donna Witt</td>
<td><a href="mailto:d-witt@tamu.edu">d-witt@tamu.edu</a></td>
<td>979-845-7616</td>
</tr>
</tbody>
</table>

Rationale for Course

The proposed changes are part of a routine curriculum review.

Course prefix: ANSC

Course number: 326

Department: Animal Science

College/School: Agriculture & Life Sciences

Academic Level: Undergraduate

Effective term: 2019-2020

2018-2019

Complete Course Title:

Food Bacteriology

Abbreviated Course Title:

FOOD BACTERIOLOGY

Catalog course description:

Microbiology of human foods and accessory substances; raw and processed foods; physical, chemical and biological phases of spoilage; standard industry techniques of inspection and control.

Prerequisites and Restrictions:

Junior BIOL 206 or senior classification approval of instructor; junior or approval of instructor; senior classification.

Concurrent Enrollment:

No

Approval Path

1. 08/20/18 11:34 am
   Stephen Talcott (stalco): Rollback to Initiator

2. 09/20/18 3:25 pm
   Stephen Talcott (stalco): Approved for NFSC Department Head

3. 09/20/18 5:05 pm
   Wes Osburn (osburnw): Approved for ANSC Department Head

4. 09/21/18 11:32 am
   Stephen Talcott (stalco): Approved for NFSC Department Head

5. 09/25/18 2:16 pm
   Terra Bissett (t.bissett): Approved for Curricular Services Review

6. 09/25/18 2:24 pm
   Dawn Kersteer (dkersteer): Approved for AG Committee Preparer UG

7. 10/05/18 9:48 am
   Bob Knight (bob-knight): Approved for AG Committee Chair UG

8. 10/05/18 9:57 am
   Dawn Kersteer (dkersteer): Approved for AG College Dean UG

https://nextcatalog.tamu.edu/courseleaf/approve/?role=Faculty%20Senate
### Enforced Prerequisites / Concurrent Enrollment

<table>
<thead>
<tr>
<th>And/Or</th>
<th>Course Prefix/Number</th>
<th>Min Grade/Score</th>
<th>Academic Level</th>
<th>Concurrency?</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>BIO 206</td>
<td>D</td>
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Crosslistings: Yes

Crosslisted With:
- DASC 326
- NFSC 326

Stacked: No

<table>
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<tr>
<th>Semester</th>
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<tbody>
<tr>
<td>Credit</td>
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<tr>
<td>Hour(s)</td>
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<td>Contact Hour(s) (per week):</td>
<td>Lecture: 3</td>
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<tr>
<td>Lab: 0</td>
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<tr>
<td>Other: 0</td>
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<tr>
<td>Total: 3</td>
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</table>

Repeatable for credit? No

Three-peat? No

CIP/Fund Code:
- 0109010005
- 0110010005

Default Grade Mode:
- Letter Grade (G)

Alternate Grade Modes:
- Satisfactory/Unsatisfactory

Method of instruction:
- Lecture

Will sections of this course be taught as non-traditional? (i.e., parts of term, distance education)
- No

Will this course be taught as a distance education course?
- No

Is 100% of this course going to be taught in Texas?
- Yes

Will classroom space be needed for this course?
- Yes

This will be a required course or an elective course for the following programs:

<table>
<thead>
<tr>
<th>Program(s)</th>
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<tbody>
<tr>
<td>BS-ANSC-PIN+</td>
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<tr>
<td>Elective (select program)</td>
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<tr>
<td>--------------------------</td>
</tr>
<tr>
<td>Has/will this course be(e)n submitted for core curriculum consideration?</td>
</tr>
<tr>
<td>Has/will this course be(e)n submitted for Writing or Communication consideration?</td>
</tr>
<tr>
<td>Has/will this course be(e)n submitted for ICD or CD consideration?</td>
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### Course Syllabus

<table>
<thead>
<tr>
<th>Syllabus:</th>
<th>Upload syllabus</th>
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<tr>
<td>Upload syllabus</td>
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<table>
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<tr>
<th>Letters of support or other documentation</th>
<th>Yes No</th>
</tr>
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<table>
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<tr>
<th>Upload files</th>
<th>DASC 326 Dept email.pdf</th>
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<tr>
<th>Additional information</th>
<th>Change approved via prefix change request:<a href="https://nextcatalog.tamu.edu/miscadmin/?key=60/">https://nextcatalog.tamu.edu/miscadmin/?key=60/</a></th>
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<table>
<thead>
<tr>
<th>Reviewer Comments</th>
<th>Stephen Talcott (stalcott) (08/20/18 11:34 am): Rollback: Prereq.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Terra Bissett (t.bissett) (09/25/18 2:13 pm): Syllabus not required for this type of change.</td>
</tr>
<tr>
<td></td>
<td>Terra Bissett (t.bissett) (09/25/18 2:14 pm): Curricular Services: please note, per department, DASC 326 is being inactivated effective 201931.</td>
</tr>
<tr>
<td></td>
<td>Sandra Williams (sandra-williams) (11/05/18 2:31 pm): UCC approved November 2018.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Reported to state?</th>
<th>Add</th>
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<tbody>
<tr>
<td></td>
<td>Change</td>
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<tr>
<td></td>
<td>CS</td>
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</tbody>
</table>

Key: 0588
Bissett, Terra D

From: Witt, Donna M
Sent: Tuesday, September 25, 2018 1:16 PM
To: Curricular Approval Request System
Subject: RE: ANSC 326

Follow Up Flag: Follow up
Flag Status: Completed

Good Afternoon! I emailed my Associate Department Head and he said yes, this is correct. Have a great day!

Thanks!
Donna

Donna Witt '99
Senior Academic Advisor II
Department of Animal Science
College of Agriculture and Life Sciences
Texas A&M University
109 Kleberg Center
College Station, TX 77843-2471
Phone: (979) 845-7616 Fax: (979) 458-3294
E-Mail: d-witt@tamu.edu
http://animalscience.tamu.edu

From: Curricular Approval Request System
Sent: Tuesday, September 25, 2018 8:50 AM
To: Witt, Donna M <d-witt@tamu.edu>
Cc: Sandra Williams <sandra-williams@tamu.edu>
Subject: RE: ANSC 326

Good afternoon, Donna,

This confirms that DASC 326 is no longer being used and will be removed from course inventory effective Fall 2019.

Please let us know if this is not correct.

Thank you,
Terra

Terra Bissett | Administrative Coordinator I
Office of the Registrar, Division of Enrollment & Academic Services | Texas A&M University
0100 TAMU | College Station, TX 77843-0100

ph: 979.845.8201 | fax: 979.845.4757 | t.bissett@tamu.edu

--------------------------------------------------------------------------------

TEXAS A&M UNIVERSITY | FEARLESS on Every Front

This message may contain confidential student information under the Family Educational Rights & Privacy Act (FERPA). If you have received the message in error, please advise the sender by reply e-mail and delete the message.
From: Witt, Donna M  
Sent: Monday, September 24, 2018 4:12 PM  
To: Curricular Approval Request System <cars@tamu.edu>  
Cc: Sandra Williams <sandra-williams@tamu.edu>  
Subject: RE: ANSC 326

Good Afternoon! This is my Associate Department Head’s response:

“We are changing the name (renaming) DASC 326 to ANSC 326. Same course/subject matter/outcomes just different name.”

I am not sure what you recommend, but the course will be ANSC 326 (we will not be using the DASC) and cross-listed with NFSC 326.

Thanks!  
Donna

Donna Witt ’99  
Senior Academic Advisor II  
Department of Animal Science  
College of Agriculture and Life Sciences  
Texas A&M University  
109 Kleberg Center  
College Station, TX 77843-2471  
Phone: (979) 845-7616 Fax: (979) 458-3294  
E-Mail: d-witt@tamu.edu  
http://animalscience.tamu.edu

---

From: Curricular Approval Request System  
Sent: Monday, September 24, 2018 2:51 PM  
To: Witt, Donna M <d-witt@tamu.edu>  
Cc: Sandra Williams <sandra-williams@tamu.edu>  
Subject: ANSC 326

Good afternoon, Donna,

We are in the process of reviewing ANSC 326 (cross-listed with NFSC 326 and DASC 326) and would like clarification of the changes being made.

ANS C 326: Food Bacteriology

Is the cross-listing of DASC 326 being removed or is DASC 326 being inactivated?

<table>
<thead>
<tr>
<th>Crosslistings</th>
<th>Crosslisted With</th>
</tr>
</thead>
<tbody>
<tr>
<td>Yes</td>
<td>DASC 326</td>
</tr>
<tr>
<td>Stacked</td>
<td>No</td>
</tr>
<tr>
<td>Stacked with</td>
<td>NFSC 326</td>
</tr>
</tbody>
</table>

Thank you,
# Course Change Request

**Viewing: ANTH 370: Cultural Diversity and Ethics**

Also listed as: **ANTH 270**

Formerly known as: **ANTH 270 / ANTH 370**

Last approved: 09/18/18 3:22 am

Last edit: 10/01/18 7:34 am

Changes proposed by: claporte

<table>
<thead>
<tr>
<th>Catalog Pages referencing this course</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANTH 270: ANTH - Anthropology (ANTH)</td>
</tr>
<tr>
<td>Department of Anthropology</td>
</tr>
<tr>
<td>International and Cultural Diversity Requirements</td>
</tr>
<tr>
<td>ANTH 370: BA-INTS-GCS: International Studies - BA, Global Cultural Studies Track</td>
</tr>
<tr>
<td>BA-USLA-SEL*: University Studies - BA, Society, Ethics and Law Concentration</td>
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</table>

<table>
<thead>
<tr>
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<tbody>
<tr>
<td>ANTH - Anthropology</td>
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<tr>
<td>Department of Anthropology</td>
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<tr>
<td>International and Cultural Diversity Requirements</td>
</tr>
<tr>
<td>BA-INTS-GCS: International Studies - BA, Global Cultural Studies Track</td>
</tr>
<tr>
<td>BA-USLA-SEL*: University Studies - BA, Society, Ethics and Law Concentration</td>
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<table>
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<tr>
<th>Contact(s)</th>
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<tbody>
<tr>
<td>Name</td>
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<tr>
<td>------------</td>
</tr>
<tr>
<td>Catharina Laporte</td>
</tr>
<tr>
<td>Jeff Winking</td>
</tr>
</tbody>
</table>

**Rationale for Course**

**Edit**

The proposed changes are part of a routine curriculum review.

**Course prefix** ANTH  **Course number** 370 270

**Department** Anthropology

**College/School** Liberal Arts

**Academic Level** Undergraduate

**Undergraduate course level justification (Select One)**

<table>
<thead>
<tr>
<th>College/Program Course Level Rubric</th>
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<tbody>
<tr>
<td>2019-2020 2018-2019</td>
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</table>

**Effective term**

2019-2020 2018-2019

**Complete Course Title**

Cultural Diversity and Ethics

**Abbreviated Course Title**

CULTURAL DIVERSITY & ETHICS

**Catalog course description**

Examination of the cultural construction of ethical values and how cultural diversity, including beliefs, values and ways of doing business, impacts human technological innovation; focuses on developing a holistic, social-science mindset and application of critical thinking skills.

**Prerequisites and Restrictions**

Should catalog prerequisites /
This course is a flipped/hybrid class. It will meet physically once per 14 weeks for 75 minutes to engage activities related to the substantive learning modules (in eCampus). The student must work through the eCampus module before being able to actively participate in the face-to-face class meeting. The learning modules contain an assortment of video lectures, readings, weblinks, video and podcasts, along with project based tasks that the student must complete in order to effectively participate in class meetings and activities. Some sections will be taught as Study Abroad. Instructors of different sections meet prior to semesters to ensure that curricula and learning outcomes are comparable across all sections.

Describe how learning outcomes are met or provide justification why they are not met.

This course is a flipped/hybrid class. It will meet physically once per 14 weeks for 75 minutes to engage activities related to the substantive learning modules (in eCampus). The student must work through the eCampus module before being able to actively participate in the face-to-face class meeting. The learning modules contain an assortment of video lectures, readings, weblinks, video and podcasts, along with project based tasks that the student must complete in order to effectively participate in class meetings and activities. Some sections will be taught as Study Abroad. Instructors of different sections meet prior to semesters to ensure that curricula and learning outcomes are comparable across all sections.

Describe how hours are met or provide justification why they are not met.

This course is a flipped/hybrid class. It will meet physically once per 14 weeks for 75 minutes to engage activities related to the substantive learning modules (in eCampus). The student must work through the eCampus module before being able to actively participate in the face-to-face class meeting. The learning modules contain an assortment of video lectures, readings, weblinks, video and podcasts, along with project based tasks that the student must complete in order to effectively participate in class meetings and activities. Some sections will be taught as Study Abroad. Face-to-face hours are calculated for each Study Abroad section to ensure they are sufficient. Additional class time is scheduled on campus if necessary.

Required (select program)

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<td>(BS-ENGE) College of Engineering</td>
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Elective (select program)

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<th>Program(s)</th>
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<td>(BA-ANTH) Anthropology - BA</td>
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Has/will this course be(en) submitted for core curriculum consideration?
No

Has/will this course be(en) submitted for Writing or Communication consideration?
No Yes

Has/will this course be(en) submitted for ICD or CD consideration?
Yes

Course Syllabus

Syllabus: [Upload syllabus](ANTH270_Syllabus V8-1.pdf)
[ANTH370_Syllabus (V11-0) CARS Submission.pdf]

Letters of support or other documentation
No Yes

Additional information
Course number was changed from 370 to ANTH370 to better reflect the level and nature of the course, according to new guidelines concerning class levels.
Required ENGR major removed.
Writing Intensive (W) classification removed to open enrollment to other majors.
Class will adopt a hybrid model (half online content, and half face to face classwork), and thus will only physically meet 75 minutes, once per week.

Reviewer Comments
Terra Bissett (t.bissett) (09/28/18 10:17 am): Rollback: The hybrid portion will be completed with scheduling at the section level. The contact hours for this course do not need to be changed to reflect the hybrid breakdown. Please update.
Terra Bissett (t.bissett) (10/01/18 4:22 pm): Updates received.
Sandra Williams (sandra-williams) (11/05/18 2:32 pm): UCC approved November 2018.

Key: 16982
MEMORANDUM

TO: Mr. Michael K. Young
President

THROUGH: Dr. Carol A. Fierke
Provost and Executive Vice President

FROM: Dr. Michael Benedik
Vice Provost

SUBJECT: January 22, 2018 Faculty Senate Items

March 1, 2018

All of the attached January Faculty Senate items have been reviewed and approved by college, university curriculum, Faculty Senate and Office of the Provost.

New Course Requests, Course Change Requests, Course Withdrawal Requests, Course Inactivations, and Change in Curriculum Requests
Approval recommended. FS.35.153; FS.35.154; FS.35.155; FS.35.156; FS.35.157; FS.35.158; FS.35.159; FS.35.162; FS.35.163; FS.35.164; FS.35.166; FS.35.167; FS.35.168; FS.35.169; FS.35.170; FS.35.171; FS.35.172; FS.35.173; FS.35.174; FS.35.175; FS.35.176; FS.35.177; FS.35.178; FS.35.179; FS.35.180; FS.35.181; FS.35.182; FS.35.183; FS.35.184; FS.35.185; FS.35.186; FS.35.187; FS.35.188; FS.35.189; FS.35.190; FS.35.191; FS.35.192; FS.35.193; FS.35.194; FS.35.195; FS.35.196; FS.35.197; FS.35.198; FS.35.199; FS.35.200; FS.35.201; FS.35.202; FS.35.203; FS.35.204; FS.35.205; FS.35.206; FS.35.207; FS.35.208; FS.35.209; FS.35.210; FS.35.211; FS.35.212; FS.35.213; FS.35.214; FS.35.215; FS.35.216; FS.35.217; FS.35.218; FS.35.219; FS.35.220; FS.35.221; FS.35.227.


FS.35.161: Approval recommended. Graduate Courses Taught in Non-Traditional Formats–Spring 2018–third Request. Graduate Courses Taught in Non-traditional Formats–Spring 2018. All colleges within Texas A&M performed a comparison of the learning outcomes for distance education and non-traditional courses for equivalency to traditional face-to-face courses to determine if the courses met compliance to University Rule 11.03.99.M1. No external action.

FS.35.165: Approval recommended. Certificate is being discontinued to align Engineering Honors with the other Texas A&M honors programs. The closure will have no impact on faculty, staff or students. There are currently no students enrolled in the program.
External action: Notification of closure to SACSCOC.
Mr. Michael K. Young
March 1, 2018
Page 2

FS.35.222: Approval recommended. College of Liberal Arts Department of Communication, CERT-SMDI Social Media Certificate. Certificate requires 15 SCH and does not surpass the maximum SCHs allowed by TAC, Chapter 5, Subchapter C, Rule Section 5.48. No external action.

FS.35.223: Approval recommended. Mays Business School, Department of Finance, CERT-CFIN Corporate Finance Certificate. Certificate requires 19 SCH and does not surpass the maximum SCHs allowed by TAC, Chapter 5, Subchapter C, Rule Section 5.48. No external action.

FS.35.224: Approval recommended. Mays Business School, Department of Finance, CERT-CMIN Capital Markets and Investments Certificate. Certificate requires 12 SCH and does not surpass the maximum SCHs allowed by TAC, Chapter 5, Subchapter C, Rule Section 5.48. No external action.


FS.35.226: Approval recommended. Courses Taught in Non-traditional Formats-Spring 2018- Second Request. Undergraduate Courses Taught in Non-traditional Formats-Spring 2018. All colleges within Texas A&M performed a comparison of the learning outcomes for distance education and non-traditional courses for equivalency to traditional face-to-face courses to determine if the courses met compliance to University Rule 11.03.99.M1. No external action.

FS.35.228: Approval recommended. Changes update/reflect core curriculum as mandated by the THECB and the Core Curriculum Council of the Faculty Senate. The requested changes will not affect the required total degree program hours. Life & Physical Sciences, Creative Arts, and Language, Philosophy and Culture areas.

FS.35.229: Approval recommended. Proposed Revisions to Student Rule 24.4.20.3, Student Conduct Code, regarding Sexual Exploitation. Please note that within the Justification Statement on the Faculty Senate item, it states that there is additional language that would allow Student Affairs to address students who may choose to prostitute themselves and/or those who choose to solicit prostitutes. However, there is no new language in the revised rule regarding prostitution. We confirmed with Student Affairs that the proposed language was removed by the Student Rules and Regulation Committee prior to submitting the revised rule to the Faculty Senate. Leaving the description in the Justification Statement was an oversight.

Attachments
About this Course

This course uses real-world examples, experiences and case studies to explore contemporary ethical issues born of the diverse nature of human culture and the consequence of our intellectual pursuits and technological innovations. In this collaborative and reflective class, we will use an anthropological mindset to develop the communication and critical-thinking skills needed to effectively examine the human condition. This course may challenge your assumptions of 'normal'. This course would be especially beneficial to any person intending to work or live in any culturally diverse or international environment, because this course encourages reflection upon one’s personal and professional responsibility, values, culture and ethics in relation to regional, national and global contexts.

Student Learning Outcomes

On the successful completion of this course the student will:

- Develop and improve written and verbal communication, and critical thinking skills.

- Critically appraise how diversity of ideas, technology, innovations, values, beliefs and other aspects of culture shape the decisions we make and affect the human experience.

- Investigate, compare and debate how using a holistic mindset and incorporating different experiences, cultures or ethical perspectives may change a perceived problem or project.

- Identify, explain and discuss the concepts of professionalism, social responsibility, personal responsibility, ethnocentrism, critical cultural relativism, worldview, ethos (spirit of the culture), axiology (what is valued) and epistemology (how we know what we know).

- Hypothesize and explore how these concepts (listed above) apply to your chosen discipline or subject of interest.

- Be better prepared to effectively work in diverse, international or multicultural teams and environments.

Catalog Description:
Examination of the cultural construction of ethical values and how cultural diversity, including beliefs, values and ways of doing business, impacts human technological innovation. Focuses on developing a holistic mindset and application of critical thinking skills.
Why Anthropology?
Anthropology, and its sub-discipline Archeology, is the holistic study of humanity both past and present. Anthropology is a very diverse subject and discipline—it is the perfect choice for anyone who loves to have their fingers in lots of pies!

That is because anthropology is a meta-discipline; it integrates knowledge generated from lots of different disciplines such as philosophy, history, economics, business, psychology, sociology, political science, gender and minority studies, as well as traditional hard sciences like geography, computer science, biology, chemistry, and physics.

At Texas A&M University, in addition to having an Anthropology Department, anthropologists are faculty in numerous other departments including Recreation, Parks and Tourism, Architecture, Health Sciences, and International Studies. For all majors, the meta-discipline of anthropology provides an ideal window to the wonderfully diverse nature of humanity.

See anthropology.tamu.edu for more information.

Class meeting information
Class Meetings
In ANTHXXX Here’s the MapLink: http://aggiemap.tamu.edu?bldg=0477

Section 501 Day, Time

Course Structure
This course is a flipped/hybrid class. It meets physically once week. There are no exams in this course. There is no textbook required for this course; it uses entirely (free) open access resources.

The class is divided into Learning Modules that are available in eCampus. You are expected to have worked through and completed the relevant module prior to class noted on the schedule (last page of this syllabus).

The course, and its modules, is structured in a way that acknowledges that students have different learning styles. Each module will have some time devoted different modes of learning: watching, listening and doing. Additionally, the course is structured to allow for more active learning and interaction with the instructor, the community and other students. For example, you will be actively researching materials that contribute to class discussions.
Learning Objectives

Critical Thinking (creating thinking, innovation, inquiry, analysis, etc.)

- The formative learning modules in this class combined with a problem-solving flow-chart integrated throughout the course, purposefully introduce concepts that add to a student’s ability to think critically about their own worldview, their own projects and areas of interest, as well as current global events.

- Assignments require students to independently research and holistically evaluate the ethical consistency and cultural foundations of different viewpoints and perspectives, analyze and interpret data, and justify interpretations.

- Students are encouraged to explore their assumptions and biases during in-class and online discussions, and large and small-group activities.

Communication (effective development, interpretation, & expression through written, oral, and visual communication)

- Students will develop written communication skills through formative weekly quick tasks, and reflection papers and responses.

- Visual communication skills will be developed via assignments that require students to visually represent data, as well as through in-class discussions of data representations relevant to course topics.

- Anthropology is visually or non-verbally oriented discipline; students will practice interviewing and observing humans, interpreting their actions and non-verbal communications, and synthesizing these data within their worldview or projects.

- Students will develop oral communication skills via discussions with their peers and the course facilitators. These will include discussions of potentially charged topics in diverse settings.

Social Responsibility (intercultural competence, knowledge of civic responsibility, etc.)

- Students will develop social responsibility through their exploration of numerous cultures. To achieve this, students will engage in role-playing, watch documentaries, read ethnographies and newsworthy articles, listen to podcasts, and discuss and debate Western and non-Western ethical problems and solutions.

- Students will be required to explore different cultural viewpoints in their assignments and consider the balance between differing ethical approaches.

Personal Responsibility (ability to connect choices, actions, and consequences to ethical decision-making)

- Students will develop personal responsibility through their exploration of the cultural construction of morality and the evaluation of normative ethical approaches.

- Students will engage in meta-reflexivity; why do they think the way that they do? How does this thinking impact their ability to make decisions and think critically about a problem or encounter? Students will come away from this class with a greater understanding of themselves, and their personal responsibility and position in society.

- Weekly assessment requires the student to engage and plan their workday.

Because of the collaborative and interactive nature of this class, especially the peer review and feedback on both RJs and FPs, students should have great personal responsibility to submit quality assignments and the associated feedback on time.
Course Assessment
Grades will be based on the assessments listed below.

Module Tasks (MT)
To assess your comprehension and knowledge, and to give you the opportunity to explore the module concepts in more depth, twelve module tasks (MT) will be dispersed throughout the course. MTs will be assigned via the eCampus modules and be required to be submitted both online and in class on dates indicated on the class schedule. A grading rubric will be provided on eCampus. The two lowest MT scores will be dropped and the resulting sum will constitute 50% (10 x 5%) of your final grade.

Peer Reviewed Critical Reflection Journals (RJ)
To promote the exchange of ideas and a critical appreciation for other people’s thoughts and concepts in a written format, you will be required to submit RJs (of approximately 450-500 words) in Peerceptiv via eCampus. Think of this as a scholarly diary entry where you are reflecting upon the course content in relation to your life and/or current events, what we have viewed and discussed in class, together with the information presented in the modules.

For each RJ assignment, you are also required to review and peer grade at least five (5) other people’s RJs. Extra credit will be calculated for reviewing more. Please remember to be respectful and scholarly in your reviews.

Due dates and times for RJs and peer review are indicated on the class schedule (last page of this syllabus).

A grading rubric will be provided on eCampus. There will be five (5) opportunities for RJs throughout the semester. RJs and RJ peer reviews are due at noon on Saturdays. The lowest grade will be dropped and the remaining four grades will collectively constitute 40% (4 x 10%) of your overall grade.

Participation
This course is designed to foster learning through individual investigation (project based learning) and interaction with others. Your participation is a critical element to the success of everyone in the class. This portion of your final grade will be determined by the quality of your active participation in class, eCampus Modules and/or use of MTs and technologies in class. Participation accounts for 10% of your overall grade.

Grade Calculation
Module Tasks (MT) (10): 50%
Reflection Journals and Responses (RJ) (4): 40%
Participation: 10%
100%

A=90-100; B=80-89.9; C=70-79.9; D=60-69.9; F=Below 60

Modules and Class Technology
eCampus: This class will extensively use TAMU eCampus (ecampus.tamu.edu), for assignments, readings, discussions etc. There is no textbook.

Modules: This class is divided into modules. The entire module’s information, including readings, videos, downloads and assignments will be available via eCampus. You are expected to complete the module online before the first class meeting of the week. Information delivered in the module will be discussed in class, and will the subject matter for class discussions, workshops and exercises.

WiFi Technology: In this class we will using your handheld devices (such as smart phones, tablets, iPhones etc.) and/or your tablets or laptops as means of actively participating in class activities. You will be required to install small free apps on your device to communicate in the classroom. If you do not have a WiFi device, laptops are available to checkout, free, from the TAMU library.

Please respect our learning environment, and only use electronic devices for class related activities!
Course Policies

Attendance: Attending the class is the responsibility of the student and no formal attendance will be taken. That being said, this is a collaborative and interactive class; a large portion of your assessment will be based on work conducted in class—if you miss those activities, undoubtedly your grades will suffer.

Makeup Policy: You are responsible for knowing the course schedule and assignment due dates outlined in this syllabus. For assignments that are missed due to absences, please refer to Student Rule 7 (http://studentrules.tamu.edu/rule07) for details concerning which absences are excused. Students with excused absences must provide written notification prior to the date of the absence, or in cases where advanced notification is not possible, within two working days following the absence. If you do have a university-excused absence please contact the instructor as soon as possible to arrange a makeup schedule.

MTs missed due to unexcused absences will receive a zero (remember that the two lowest will be dropped).

RJs and RJRs can be submitted up to 72 hours past their respective deadlines for a 25% penalty per day. Assignments submitted after that will receive a zero.

Due to the collaborative nature of assignments in this course and the logistics of peer review, late projects will receive a grade of zero unless supported by an approved university absence.

Americans with Disabilities Act (ADA):
The Americans with Disabilities Act (ADA) is a federal anti-discrimination statute that provides comprehensive civil rights protection for persons with disabilities. Among other things, this legislation requires that all students with disabilities be guaranteed a learning environment that provides for reasonable accommodation of their disabilities. If you believe you have a disability requiring an accommodation, please contact Disability Services, currently located in the Disability Services building at the Student Services at White Creek complex on west campus or call 979-845-1637. For additional information, visit http://disability.tamu.edu.

Plagiarism and Cheating
Students are bound by the Aggie honor code not to lie, cheat, steal, or tolerate those who do. If you violate the code (e.g., by plagiarizing something or cheating) there will be no second chances—you will receive a zero for the assignment and may receive an F for the class.

Plagiarism is my ‘pet peeve’!
All cases of plagiarism and cheating will be handled according to university policies. For further information on cheating and plagiarism, go to http://aggiehonor.tamu.edu.

Statement on Diversity

Respect for cultural and human biological diversity are core concepts of Anthropology. In this course, each voice in the classroom has something of value to contribute to class discussion. Please respect the different experiences, beliefs and values expressed by your fellow students and instructor, and refrain from derogatory comments about other individuals, cultures, groups, or viewpoints. The Anthropology Department supports the Texas A&M University commitment to Diversity, and welcomes individuals of all ages, backgrounds, citi ships, disabilities, education, ethnicities, family statuses, genders, gender identities, geographical locations, languages, military experience, political views, races, religions, sexual orientations, socioeconomic statuses, and work experiences (See http://diversity.tamu.edu/).

Ground Rules (aka Classroom Etiquette)

Throughout the course, you are likely to encounter new ideas through the course materials, and you will learn to look at old ideas in new ways. We will be reading and discussing material that may challenge the way you think about things, both academically and personally. We need to remain open-minded and listen to one another; above all, it is crucial to maintain respect in all classroom interactions.

Second, it is important that you show respect to others by arriving to class on time, not packing up your stuff before class finishes, and by only using smart or cell phones, computers and other communication devices for class related activities.
..Some final advice....

✔ **Be Prepared.** To be successful, you need to work through assigned materials carefully before each class meeting, pay attention during class, and actively contribute to class discussions.

✔ **Take notes during class.** You should take notes during each class meeting. Learning to be a critical thinker includes learning how to take effective notes. Don’t just write down what is said in class or what is presented on a Powerpoint slide. Consider writing down your thoughts on the subject as well as any questions that you have about the material.

✔ **Learn to Think Critically.** In this class, you are encouraged to think critically about the course materials. In other words, think about what you are reading and learning in class and learn to ask the following questions:
  - What is being said? What is the argument being put forward?
  - Who is conveying the message? What is their cultural position and background?
  - When was it written? Is the argument shaped by a particular historical moment? How would the argument differ if written during a different time?
  - Why is the message being conveyed? Does the author have an agenda? If so, what is it?
  - What is the evidence? What kinds of evidence and data are used to make an argument? Does the evidence support the argument? Is the evidence sufficient?
  - Is the argument sound?

✔ **If you have questions…. ASK!** Remember, if you are thinking it, it more than likely that someone else is also thinking it.

✔ **Utilize office hours.** Office hours provide a regular time when you can expect me to be available for discussion of individual concerns. If you are having problems understanding the material or you would like to talk about the course assignments, please come and visit me.
Class Framework

The format of this class is built around this framework of Fractious Problem Solving (a.k.a. Thinking Critically)

1. Facts
   - What are the facts of the case?
   - What do we already know?

2. Stakeholders
   - Who has a stake in this?
   - What are their interests?
   - Do these differ from others’?

3. Precedents
   - What related problems or precedents can inform the current problem?

4. Laws & Standards
   - What laws & professional standards apply to the issue?

5. Concepts
   - Think hard about the meaning of the terms (e.g. ‘entity’) that you use.
   - Whose perspectives do these definitions prioritize or exclude?

6. Assumptions
   - What assumptions are you making?
   - How do your experiences and priorities influence and limit your perspective?

7. Scope
   - How are you defining the problem?
   - What parts of the problem are you excluding?
   - What else is relevant?

8. Principles / Code of Ethics
   - What do you think is most important?
   - What ethical principles should inform your decision?
   - To whom do you have responsibilities?
   - What do those responsibilities demand of you?
   - Consider global, economic, environmental, & social contexts.
   - Can your principles cope with novelty and uncertainty?

9. Possibilities
   - Consider the possibilities. Brainstorm, reflect, role-play, reference literature, etc.
   - What actions could you take?
   - How do those actions reflect or not reflect your principles?
   - Do you need to redefine your principles to reflect unforeseen possibilities and/or new information?

10. Make a Decision

11. New Problems Arise
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<th>Activities and assignments</th>
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|        |      | Instructor & Student Introductions  
Syllabus and technology review  
Group exercises incl. examining the syllabus |
| Fundamentals | 1 | Science, research, innovation and humans... why think critically?  
Submit in eCampus and bring paper copy to class: MT#1  
RJ#1 due before 12 noon |
|        | 2 | What is Holism? What is Culture? What is Ethnocentrism?  
Activity: looking at (corporate) culture holistically  
Submit in eCampus and bring paper copy to class: MT#2  
RJ#1 Peer Review due before 12 noon. |
|        | 3 | Assumptions about the other and the importance of communication  
Role Play: Water boiling in a small village  
Submit in eCampus and bring paper copy to class: MT#3  
RJ#2 due before 12 noon |
|        | 4 | Diversity, inclusion and learned ignorance  
Exercise: Invisible Knapsack and Dancing at the Party  
Submit in eCampus and bring paper copy to class: MT#4  
RJ#2 Peer Reviews due before 12 noon. |
|        | 5 | Paradigms & Epistemology: how do you know what you know?  
Exercise: Engaging in Meta-reflexivity  
Submit in eCampus and bring paper copy to class: MT#5 |
| Ethics | 6 | What is Ethics?  
Exercise: Class Expert Panel discussion  
Submit in eCampus and bring paper copy to class: MT#6  
RJ#3 due before 12 noon. |
|        | 7 | Code of Ethics. What is valued and why? What results?  
Group Activity: Researching the CoE in your discipline, and creating your own.  
Submit in eCampus and bring paper copy to class: MT#7  
RJ#3 Peer Reviews due before 12 noon. |
|        | 8 | (Critical) Cultural Relativism:  
Exploring Definitions & Perspectives: Hot Houses in Guatemala  
Role Play: Unintended ‘Sticky’ Consequences  
Submit in eCampus and bring paper copy to class: MT#8  
RJ#4 due before 12 noon. |
| Problem Solving | 9 | Fractious Problem Solving  
Speed Dating Fractious Problems: autonomous vehicles, cosmic exploration, cloning John Lennon  
Submit in eCampus and bring paper copy to class: MT#9  
RJ#4 Peer Reviews due before 12 noon |
|        | 10 | Technological Determinism & Cultural Construction of Technology  
Intended and unintended consequences globally: data mining, social media, Uber and Ancestry.com  
Analyzing Fractious Problems and making a decision  
Submit in eCampus and bring paper copy to class: MT#10 |
| Different ways of thinking | 11 | Myths, naturalistic fallacies and assumptions  
Mini-lecture and group discussion on the impact of poverty in decision making  
Submit in eCampus and bring paper copy to class: MT#11  
RJ#5 Peer Reviews due before 12 noon. |
|        | 12 | Bribery, corruption, nepotism, gifts, and whistleblowing  
Exercise: WWYD: analyzing a case study in of corruption in foreign waters  
Submit in eCampus and bring paper copy to class: MT#12 |
|        | 13 | Final Wrap up with guided discussion:  
Ship breaking in Bangladesh and other end of life dilemmas |
Course Change Request

Date Submitted: 10/10/18 12:08 pm

Viewing: ASTR 314: Survey of Astronomy

Last approved: 04/18/18 3:26 am
Last edit: 11/05/18 4:44 pm

Changes proposed by: hwalker

Catalog Pages referencing this course
ASTR - Astronomy
ASTR - Astronomy (ASTR)
Department of Physics and Astronomy
Department of Physics and Astronomy
PHYS - Physics

Programs referencing this course
MINOR-PHYS: Physics - Minor
BS-ITDE: Interdisciplinary Engineering - BS

Contact(s)

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<tr>
<th>Name</th>
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<tbody>
<tr>
<td>Heather Walker</td>
<td><a href="mailto:hwalker@tamu.edu">hwalker@tamu.edu</a></td>
<td>9798621653</td>
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Rationale for Course
Edit

The proposed changes are part of a routine curriculum review.

Course prefix ASTR
Course number 314
Department Physics and Astronomy
College/School Science
Academic Level Undergraduate

Undergraduate course level justification (Select One)

Prerequisites

All prerequisites will be enforced through COMPASS.

Academic Level (alternate) Graduate

Effective term 2019-2020

Complete Course Title Survey of Astronomy
Abbreviated Course Title SURVEY OF ASTRONOMY

Catalog course description
Primarily for majors in science and engineering. Kepler's laws, law of gravitation, solar system, stars, stellar evolution, nucleosynthesis, cosmology, clusters, nebulae, pulsars, quasars, black holes.

Prerequisites and Restrictions
PHYS 207 or PHYS 208.

Concurrent Enrollment No

Should catalog prerequisites / Yes

https://nextcatalog.tamu.edu/courseleaf/approve/?role=Faculty%20Senate

1/4
Enforced Prerequisites / Concurrent Enrollment

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<tr>
<th>And/Or</th>
<th>Course Prefix/Number</th>
<th>Min Grade/Score</th>
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<tr>
<td></td>
<td>PHYS 207</td>
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<td>Or</td>
<td>PHYS 208</td>
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Crosslistings: No

Stacked: No

Contact Hour(s): 3

Lecture: 3

Lab: 0

Other: 0

Total: 3

Semester Credit:

Repeatable for credit? No

Three-peat? No

CIP/Fund Code: 4002010002

Default Grade Mode: Letter Grade (G)

Alternate Grade Modes: Satisfactory/Unsatisfactory

Method of instruction: Lecture

Will sections of this course be taught as non-traditional? (i.e.,

Yes
## Learning Outcomes

Meets traditional face-to-face learning outcomes.

Describe how learning outcomes are met or provide justification why they are not met.

Students in distance sections will be required to watch prerecorded or streamed video of each lecture and complete the same homework and exams as the on-site students.

## Hours

Meets traditional face-to-face hours.

Describe how hours are met or provide justification why they are not met.

Students in distance sections will be required to watch prerecorded or streamed video of each lecture and complete the same homework and exams as the on-site students. This will take comparable time to what the on-site class is doing.

Will this course be taught as a distance education course?

Yes  No

I verify that I have reviewed the FAQ for Export Control Basics for Distance Education.

Yes

Is 100% of this course going to be taught in Texas?

No

Will classroom space be needed for this course?

Yes

This will be a required course or an elective course for the following programs:

Required (select program)

Elective (select program)

Has/will this course be(en) submitted for core curriculum consideration?

No

Has/will this course be(en) submitted for Writing or Communication consideration?

No

Has/will this course be(en) submitted for ICD or CD consideration?

No

## Course Syllabus

Syllabus: Upload syllabus

Upload syllabus

[ASTR 314 nt.docx](#)

[ASTR 314.docx](#)
Letters of support or other documentation: No

Additional information: 4/17/18 - edits made to enforced prerequisite table per UCC policy approved September 2017. - TB

Reviewer Comments:
- Terra Bissett [t.bissett] (09/21/18 4:29 pm): Minor edits made to catalog prerequisites and enforced prerequisite table to comply with catalog style guide.
- Sandra Williams [sandra-williams] (09/28/18 11:09 am): Rollback: As requested, rolling the proposal back to you for additional edits, which pulls the proposal from the October UCC agenda.
- Terra Bissett [t.bissett] (10/02/18 12:01 pm): Rollback: If submitting for non-traditional format, you will need to attach a traditional syllabus and non-traditional syllabus (if applicable).
- Jim Herman [jherman] (10/29/18 8:10 pm): Need late work policy for homework and in class work. Absence policy addresses exams, not other work.
- Sandra Williams [sandra-williams] (11/05/18 4:44 pm): Update received. UCC approved November 2018.

Reported to state? No
Instructor  
Casey Papovich, professor  
Office: MIST M325  
Phone: 979.862.2704  
Email: papovich@tamu.edu  
Webpage: http://faculty.physics.tamu.edu/papovich  
Office hours: T 11:00-12:30pm, R 2:00-3:30pm, or by appointment

Class information  
Lectures: TR 12:45-2:00pm  
Location: MPHY 213  
Webpage: http://ecampus.tamu.edu

Additional class information for distance students  
Lectures: Videos of lectures will be posted online at (http://insert link here) by 5:00pm of the day filmed. Distance students are expected to watch the videos and complete all assignments on the same schedule as the on-site students.

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Primarily for majors in science and engineering. Kepler's laws, law of gravitation, solar system, stars, stellar evolution, nucleosynthesis, cosmology, clusters, nebulae, pulsars, quasars, black holes.

Textbook  

Prerequisites  
PHYS 207 or 208 or equivalent

Learning outcomes  
- Compare and contrast competing scientific theories of astronomy and cosmology  
- Employ the scientific method to discriminate and differentiate between these theories  
- Use and analyze data to demonstrate knowledge of evidence for and against different cosmologies, including geocentric and heliocentric models, and the modern cosmological model  
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Grades
Show your work! On homework and exams, answers must show the steps toward the solution to receive full credit. Answers given with little justification will receive much lower scores. Solutions with some correct steps will receive partial credit.

Calculation of final grade will be
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For information on university-excused absences, see https://student-rules.tamu.edu/rule07/.

More information on grades is located at https://student-rules.tamu.edu/rule10/.

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academic integrity

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Casey Papovich, professor  
Office: MIST M325  
Phone: 979.862.2704  
Email: papovich@tamu.edu  
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Course Change Request

Date Submitted: 10/08/18 2:51 pm

Viewing: **ATMO 335 : Atmospheric Thermodynamics**

Last edit: 10/09/18 2:47 pm

Changes proposed by: korty

Rationale for Course

The proposed changes are part of a routine curriculum review.

<table>
<thead>
<tr>
<th>Course prefix</th>
<th>ATMO</th>
<th>Course number</th>
<th>335</th>
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<tbody>
<tr>
<td>Department</td>
<td>Atmospheric Sciences</td>
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<td>College/School</td>
<td>Geosciences</td>
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<tr>
<td>Academic Level</td>
<td>Undergraduate</td>
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</table>

Undergraduate course level justification (Select One)

Prerequisites

All prerequisites will be enforced through COMPASS.

Academic Level (alternate) Graduate

Effective term 2019-2020

Complete Course Title Atmospheric Thermodynamics

Abbreviated Course Title ATMOSPHER THERMODYNAMICS

Catalog course description

Application of thermodynamics to Earth’s atmosphere; phase changes of water; stability concepts; introduction to physical chemistry.

Prerequisites and Restrictions

CHEM 120, 102, MATH 251; PHYS 206.

Concurrent Enrollment No

Should catalog prerequisites / concurrent enrollment be enforced? Yes

https://nextcatalog.tamu.edu/courseleaf/approve/?role=Faculty%20Senate
Enforced Prerequisites / Concurrent Enrollment

<table>
<thead>
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</table>

Crosslistings: No
Crosslisted With: No
Stacked: No
Stacked with: No

- **Semester**: 3
- **Credit Hour(s)**: 3
- **Contact Hour(s)**: 
  - **Lecture**: 3
  - **Lab**: 0
  - **Other**: 0
  - **Total**: 3
- **Repeatable for credit?**: No
- **Three-peat?**: No
- **CIP/Fund Code**: 4004010002
- **Default Grade Mode**: Letter Grade (G)
- **Alternate Grade Modes**: Satisfactory/Unsatisfactory
- **Method of instruction**: Lecture
- **Will sections of this course be taught as non-traditional? (i.e., parts of term, distance education)**: No
- **Will this course be taught as a distance education course?**: No
- **Is 100% of this course going to be taught in Texas?**: Yes
- **Will classroom space be needed for this course?**: Yes

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Has/will this course been submitted for ICD or CD consideration? No

Course Syllabus

Syllabus: Upload syllabus

Upload syllabus

Letters of support or other documentation No

Additional information

Prerequisite courses CHEM 102 and PHYS 218 have been updated to their new numbers CHEM 120 and PHYS 206.

Reviewer Comments

Terra Bissett (t.bissett) (10/09/18 2:59 pm): Updated enforced prerequisite table to help with manual overrides.

Sandra Williams (sandra-williams) (11/05/18 2:36 pm): UCC approved November 2018.

Reported to state? No
Course Change Request

Date Submitted: 10/08/18 2:52 pm

Viewing: ATMO 363 : Introduction to Atmospheric Chemistry and Air Pollution

Last approved: 02/09/18 3:23 am
Last edit: 10/09/18 3:02 pm
Changes proposed by: kortsy

Contact(s)

<table>
<thead>
<tr>
<th>Name</th>
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<th>Phone</th>
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<tr>
<td>Robert Korty</td>
<td><a href="mailto:korty@tamu.edu">korty@tamu.edu</a></td>
<td>9798479090</td>
</tr>
</tbody>
</table>

Rationale for Course Edit
The proposed changes are part of a routine curriculum review.

Course prefix ATMO  Course number 363
Department Atmospheric Sciences
College/School Geosciences
Academic Level Undergraduate

Undergraduate course level justification (Select One)

Prerequisites
All prerequisites will be enforced through COMPASS.

Academic Level Graduate

Effective term 2019-2020 2018-2019

Complete Course Title Introduction to Atmospheric Chemistry and Air Pollution
Abbreviated Course Title ATMOS CHEM & POLLUTION

Catalog course description Descriptive introduction of the composition and chemistry of natural and pollutant compounds in the atmosphere; transport, cycling and reactivity of atmospheric material; atmospheric measurements, data processing, air quality and human health issues; air pollution trends and climate change.

Prerequisites and Restrictions CHEM 119 and CHEM 120 or approval of instructor.

Concurrent Enrollment No

Approval Path
1. 10/08/18 11:19 pm Ramalingam Saravanan (sarava): Approved for ATMO Department Head
2. 10/09/18 3:03 pm Terra Bissett (t.bisset): Approved for Curricular Services Review
3. 10/09/18 3:06 pm Roxanna Russell (rrussell): Approved for GE Committee Preparer UG
4. 10/10/18 8:46 am Christian Brannstrom (cbrannst): Approved for GE Committee Chair UG
5. 10/11/18 3:03 pm Christian Brannstrom (cbrannst): Approved for GE College Dean UG
6. 10/12/18 9:05 am Sandra Williams (sandra-williams): Approved for UCC Preparer
7. 11/05/18 2:36 pm Sandra Williams (sandra-williams): Approved for UCC Chair

History
ATMO 363: Introduction to Atmospheric Chemistry and Air Pollution

Should catalog prerequisites / concurrent enrollment be enforced? Yes

Enforced Prerequisites / Concurrent Enrollment

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Letters of support or other documentation  No

Additional information  Updated prerequisite CHEM courses to their new numbers (101→119 and 102→120).

Reviewer Comments  Terra Bissett (t.bissett) (10/09/18 3:03 pm): Updated enforced prerequisite table to help with manual overrides.
Sandra Williams (sandra-williams) (11/05/18 2:36 pm): UCC approved November 2018.

Reported to state?  No
Course Change Request

Date Submitted: 10/08/18 2:49 pm

Viewing: ATMO 443: Radar Meteorology

Last approved: 02/14/18 3:27 am
Last edit: 10/08/18 2:49 pm

Changes proposed by: korty

Catalog Pages referencing this course
- ATMO - Atmospheric Sciences (ATMO)
- Department of Atmospheric Sciences

Programs referencing this course
- BS-ENGS: Environmental Geosciences - BS
- BS-METR: Meteorology - BS
- BS/MOS-METR/OCST-GOC: Meteorology - 5-Year Bachelor of Science/Master of Ocean Science and Technology

Contact(s)

<table>
<thead>
<tr>
<th>Name</th>
<th>E-mail</th>
<th>Phone</th>
</tr>
</thead>
<tbody>
<tr>
<td>Robert Korty</td>
<td><a href="mailto:korty@tamu.edu">korty@tamu.edu</a></td>
<td>9798479090</td>
</tr>
</tbody>
</table>

Rationale for Course

Edit

The proposed changes are part of a routine curriculum review.

Course prefix ATMO
Course number 443

Department Atmospheric Sciences
College/School Geosciences

Academic Level Undergraduate

Undergraduate course level justification (Select One)

Effective term 2019-2020 2018-2019

Complete Course Title Radar Meteorology

Abbreviated Course Title RADAR METEOROLOGY

Catalog course description

Principles of radar theory, hardware, operations and analysis using real-time radar and computer-based case studies; conventional, Doppler and polarimetric weather radar; precipitation estimation, hydrometeor identification and air motion analysis; observations and analyses of thunderstorms, mesocyclones, tornadoes and gust fronts.

Prerequisites and Restrictions

ATMO 352; PHYS 207, 208 or PHYS 219.

Should catalog prerequisites / concurrent enrollment be enforced? Yes

Approval Path

1. 10/08/18 11:19 pm Ramalingam Saravanan (sarava): Approved for ATMO Department Head
2. 10/09/18 3:04 pm Terra Bisse (t.bisse): Approved for Curricular Services Review
3. 10/09/18 3:06 pm Roxanna Russell (rrussell): Approved for GE Committee Preparer UG
4. 10/10/18 8:46 am Christian Brannstrom (cbrannst): Approved for GE Committee Chair UG
5. 10/11/18 3:03 pm Christian Brannstrom (cbrannst): Approved for GE College Dean UG
6. 10/12/18 9:05 am Sandra Williams (sandra-williams): Approved for UCC Preparer
7. 11/05/18 2:36 pm Sandra Williams (sandra-williams): Approved for UCC Chair

History
## Course Details

**Course Name:** ATMO 443: Radar Meteorology

**Catalog Number:** 443

**Course Title:** Radar Meteorology

### Prerequisites

#### And/or:

<table>
<thead>
<tr>
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<th>Course Prefix/Number</th>
<th>Min Grade/Score</th>
<th>Academic Level</th>
</tr>
</thead>
<tbody>
<tr>
<td>And</td>
<td>PHYS 207, 208</td>
<td>D</td>
<td>UG</td>
</tr>
<tr>
<td>Or</td>
<td>PHYS 219</td>
<td>D</td>
<td>UG</td>
</tr>
<tr>
<td>And</td>
<td>ATMO 352</td>
<td>D</td>
<td>UG</td>
</tr>
</tbody>
</table>

### Course Details

- **Semester:** 3
- **Credit Hour(s):** 3
- **Contact Hour(s):** Lecture: 2, Lab: 2, Other: 0, Total: 4
- **Repeatability:** No
- **Program:** Required (select program)
- **Teaching Method:** Lecture and Laboratory

### Enrollment

- **Crosslistings:** No
- **Stacked with:** No

### Other Information

- **CIP/Fund Code:** 4004010002
- **Default Grade Mode:** Letter Grade (G)

### Course-specific Information

- **Will this course be taught as a distance education course?** No
- **Is 100% of this course going to be taught in Texas?** Yes
- **Will classroom space be needed for this course?** Yes

### Core Curriculum Consideration

- **Has/will this course be submitted for core curriculum consideration?** No
- **Has/will this course be submitted for Writing or Communication consideration?** No

### Enrolled in Non-traditional Courses

- **Will this course be taught as a non-traditional course?** No

### Course Location

- **Will this course be taught in Texas?** Yes
- **Classroom Space Needed?** Yes
ICD or CD consideration?

## Course Syllabus

<table>
<thead>
<tr>
<th>Syllabus:</th>
<th>Upload syllabus</th>
</tr>
</thead>
<tbody>
<tr>
<td>Letters of support or other documentation</td>
<td>No</td>
</tr>
<tr>
<td>Additional information</td>
<td><strong>Updating prerequisite PHYS 208 to new course number PHYS 207.</strong></td>
</tr>
<tr>
<td>Reviewer Comments</td>
<td>Sandra Williams (sandra-williams) (11/05/18 2:36 pm): UCC approved November 2018.</td>
</tr>
</tbody>
</table>

Key: 1624
Course Change Request

Date Submitted: 10/08/18 2:53 pm

Viewing: ATMO 463 : Air Quality

Last approved: 02/09/18 3:23 am
Last edit: 10/09/18 3:07 pm

Changes proposed by: korty

Catalog Pages referencing this course
- ATMO - Atmospheric Sciences (ATMO)
- Department of Atmospheric Sciences

Programs referencing this course
- BS-ENGS: Environmental Geosciences - BS
- MINOR-ENVG: Environmental Geosciences - Minor

Faculty Senate Number

Contact(s)

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</tr>
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</table>

Rationale for Course
Edit
The proposed changes are part of a routine curriculum review.

Course prefix ATMO  
Course number 463
Department Atmospheric Sciences
College/School Geosciences
Academic Level Undergraduate
Undergraduate course level justification (Select One) Prerequisites

All prerequisites will be enforced through COMPASS.

Academic Level (alternate) Graduate

Effective term 2019-2020

Complete Course Title Air Quality

Abbreviated Course Title AIR QUALITY

Catalog course description
Atmospheric pollution sources, transport, sinks, and effects; monitoring of air pollutant emissions and of ambient concentrations; use of models to simulate air pollution; regulation of emissions and ambient concentrations; greenhouse gas emissions regulations.

Prerequisites and Restrictions
CHEM 119 101 or CHEM 107 or approval of instructor; junior or senior classification.

Concurrent Enrollment No
Should catalog prerequisites / concurrent enrollment be enforced? Yes

Enforced Prerequisites / Concurrent Enrollment

<table>
<thead>
<tr>
<th>And/Or</th>
<th>Course Prefix/Number</th>
<th>Min Grade/Score</th>
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<tr>
<td>(</td>
<td>CHEM 119 D</td>
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<tr>
<td>Or</td>
<td>CHEM 101 D</td>
<td>UG</td>
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<tr>
<td>Or</td>
<td>CHEM 107 D</td>
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Crosslistings No
Crosslisted With
Stacked No
Stacked with

Semester 3
Credit Hour(s)
Contact Hour(s) (per week): Lecture: 3 Lab: 0 Other: 0 Total 3
Repeatable for credit? No
Three-peat? No
CIP/Fund Code 4004010002
Default Grade Mode Letter Grade (G)
Alternate Grade Modes Satisfactory/Unsatisfactory
Method of instruction Lecture

Will sections of this course be taught as non-traditional? (i.e., parts of term, distance education) No
Will this course be taught as a distance education course? No
Is 100% of this course going to be taught in Texas? Yes
Will classroom space be needed for this course? Yes

This will be a required course or an elective course for the following programs:

Required (select program)

Elective (select program)

Has/will this course be(en) submitted for core curriculum consideration? No
Has/will this course be(en) submitted for

<table>
<thead>
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<th>Program(s)</th>
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<td>(BS-METR) Meteorology - BS</td>
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https://nextcatalog.tamu.edu/courseleaf/approve/?role=Faculty%20Senate
Writing or Communication consideration?  No

Has/will this course be(en) submitted for ICD or CD consideration?  No

---

**Course Syllabus**

Syllabus:  Upload syllabus

Upload syllabus

Letters of support or other documentation  No

Additional information  Update prerequisite course CHEM 101 to its new number (CHEM 119).

Reviewer Comments  Terra Bissett (t.bissett) (10/09/18 3:08 pm): Updated catalog prerequisite to match enforced prerequisite of CHEM 119. Updated enforced prerequisite table to help with manual overrides.

Sandra Williams (sandra-williams) (11/05/18 2:36 pm): UCC approved November 2018.

Reported to state?  No
Course Change Request

Viewing: ATMO 464: Laboratory Methods in Atmospheric Sciences

Last approved: 02/10/18 3:27 am
Last edit: 10/10/18 11:54 am
Changes proposed by: korty

Rationale for Course Edit
The proposed changes are part of a routine curriculum review.

Course prefix ATMO
Course number 464
Department Atmospheric Sciences
College/School Geosciences
Academic Level Undergraduate
Undergraduate course level justification (Select One)
Prerequisites
All prerequisites will be enforced through COMPASS.

Academic Level Graduate

Effective term 2019-2020 2018-2019

Complete Course Title Laboratory Methods in Atmospheric Sciences
Abbreviated Course Title LAB METH ATMO SCI

Catalog course description
Instruction in chemical techniques used to monitor the atmosphere and other earth systems; sampling strategies; survey of current literature focusing on development of new techniques.

Prerequisites and Restrictions
CHEM 119 and one semester of calculus (MATH 171 or equivalent).

Concurrent Enrollment No

https://nextcatalog.tamu.edu/courseleaf/approve/?role=Faculty%20Senate
Should catalog prerequisites / concurrent enrollment be enforced? Yes

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<tr>
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<td>And</td>
<td>CHEM 101</td>
<td>D</td>
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<tr>
<td>Or</td>
<td>MATH 151</td>
<td>D</td>
<td>UG</td>
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<tr>
<td>Or</td>
<td>MATH 171</td>
<td>D</td>
<td>UG</td>
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<tr>
<td>Or</td>
<td>MATH 141</td>
<td>D</td>
<td>UG</td>
<td></td>
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</tbody>
</table>

Crosslistings: No
Stacked: No

Semester: 3
Credit: 3
Contact Hour(s): 6
Lecture: 2
Lab: 4
Other: 0
Total: 6

Repeatable for credit? No
Three-peat? No
CIP/Fund Code: 4004010002
Default Grade Mode: Letter Grade (G)
Alternate Grade Modes: Satisfactory/Unsatisfactory
Method of instruction: Laboratory

Will sections of this course be taught as non-traditional? (i.e., parts of term, distance education) No

Will this course be taught as a distance education course? No

Is 100% of this course going to be taught in Texas? Yes

Will classroom space be needed for this course? Yes

This will be a required course or an elective course for the following programs:

Required (select program)
Elective (select program)

Has/will this course been submitted for core curriculum consideration? No
### Course Syllabus

| Has/will this course be(en) submitted for Writing or Communication consideration? | No |
| Has/will this course be(en) submitted for ICD or CD consideration? | No |

#### Syllabus:

Upload syllabus

**Letters of support or other documentation:** No

**Additional information:**

- Updated CHEM 101 prerequisite to its new number (CHEM 119).

**Reviewer Comments**

- Terra Bissett (t.bissett) (10/10/18 11:54 am): Updated enforced prerequisite table to help with manual overrides.
- Sandra Williams (sandra-williams) (11/05/18 2:37 pm): UCC approved November 2018.

**Reported to state?**

- No
Course Change Request

Date Submitted: 09/27/18 8:44 am

Viewing: BAEN 201: Analysis of Biological and Agricultural Engineering Problems

Last approved: 03/29/18 3:23 am
Last edit: 09/28/18 10:51 am
Changes proposed by: ashleaschroeder

Catalog Pages referencing this course

- BAEN - Biological & Ag Engr (BAEN)
  Department of Biological and Agricultural Engineering

Programs referencing this course

- BS-BAEN: Biological and Agricultural Engineering - BS

Faculty Senate Number: FS.35.113

Contact(s)

<table>
<thead>
<tr>
<th>Name</th>
<th>E-mail</th>
<th>Phone</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ashlea Schroeder</td>
<td><a href="mailto:aschroeder@tamu.edu">aschroeder@tamu.edu</a></td>
<td>9798450609</td>
</tr>
</tbody>
</table>

Rationale for Course

Edit

The proposed changes are to support major changes to an existing program.
The proposed changes are part of a routine curriculum review.

Course prefix: BAEN
Course number: 201
Department: Biological & Agricultural Eng
College/School: Agriculture & Life Sciences
Academic Level: Undergraduate
Undergraduate course level justification (Select One)
Prerequisites

All prerequisites will be enforced through COMPASS.

Academic Level (alternate): Graduate
Effective term: 2019-2020

Complete Course Title
Analysis of Biological and Agricultural Engineering Problems
Abbreviated Course Title
ANALYSIS OF BAEN PROBLEMS

Catalog course description
Overview of Biological and Agricultural Engineering discipline through case studies and contemporary problems; introduction to computer programming; engineering analysis and problem solving using computer programming.

Prerequisites and Restrictions
Grade of C or better in ENGR 102 or ENGR 111; and MATH 151; and grade of C or better in MATH 151; grade of C CHEM 107 and CHEM 117; or CHEM 102 and CHEM 112, or CHEM 120 112;
Concurrent Enrollment: No
Should catalog prerequisites / concurrent enrollment be enforced? Yes

Enforced Prerequisites / Concurrent Enrollment

<table>
<thead>
<tr>
<th>And/Or</th>
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<th>Concurrency</th>
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<tbody>
<tr>
<td>Or</td>
<td>ENGR 102</td>
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<tr>
<td>And</td>
<td>CHEM 117</td>
<td>C</td>
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<tr>
<td>Or</td>
<td>CHEM 102</td>
<td>C</td>
<td>UG</td>
<td>No</td>
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<tr>
<td>And</td>
<td>CHEM 112</td>
<td>C</td>
<td>UG</td>
<td>No</td>
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<tr>
<td>Or</td>
<td>CHEM 120</td>
<td>C</td>
<td>UG</td>
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</tbody>
</table>

Crosslistings: No

Semester: 3
Credit Hour(s): 3
Contact Hour(s):
Lecture: 2
Lab: 3
Other: 0
Total: 5

Repeatable for credit? No
Three-peat? No

CIP/Fund Code: 1403010006
Default Grade Mode: Letter Grade (G)
Alternate Grade Modes: Satisfactory/Unsatisfactory
Method of instruction: Lecture and Laboratory
Will sections of this course be taught as non-traditional? (i.e., parts of term, distance education) No

Will this course be taught as a distance education course? No
Is 100% of this course going to be taught in Texas? Yes
Will classroom space be needed for this course? Yes

This will be a required course or an elective course for the following programs:

<table>
<thead>
<tr>
<th>Program(s)</th>
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</thead>
<tbody>
<tr>
<td>(BS-BAEN) Biological and Agricultural Engineering - BS</td>
</tr>
</tbody>
</table>
Syllabus:

Upload syllabus

Letters of support or other documentation

No

Yes

Additional information

Reviewer Comments

Sandra Williams (sandra-williams) [11/05/18 2:37 pm]: UCC approved November 2018.

Reported to state?

No
Course Change Request

Viewing: BAEN 422 : Unit Operations in Food Processing

Also listed as: CHEN 422

Last edit: 09/28/18 8:31 am

Changes proposed by: ashleaschroeder

Catalog Pages referencing this course

- BAEN 422:
  - Artie McFerrin Department of Chemical Engineering
- BAEN - Biological & Ag Engr (BAEN)
- CHEN - Chemical Engineering (CHEN)
- Department of Biological and Agricultural Engineering
- CHEN 422:
  - Artie McFerrin Department of Chemical Engineering
- BAEN - Biological & Ag Engr (BAEN)

Faculty Senate Number

Contact(s)

<table>
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<td>9798450609</td>
</tr>
</tbody>
</table>

Rationale for Course

The proposed changes are part of a routine curriculum review.

Course prefix: BAEN

Department: Biological & Agricultural Eng

College/School: Agriculture & Life Sciences

Academic Level: Undergraduate

Undergraduate course level justification (Select One)

Prerequisites

All prerequisites will be enforced through COMPASS.

Academic Level: Graduate

(alternate)

Effective term: 2019-2020

Complete Course Title

Unit Operations in Food Processing

Abbreviated Course Title

UNIT OPNS IN FOOD PROC

Catalog course description

Design of food process engineering systems; basic concepts of rheology and physical properties of foods; fundamentals of heat and mass transfer and process control.

Prerequisites and Restrictions

Grade of C CHEN 205 and 304, or better in CHEN 205 and CHEN 304, or CVEN 305 405

Concurrent Enrollment: No

Should catalog prerequisites / Yes No

Approval Path

1. 09/27/18 10:18 am
   Zivko Nikolov (znikolov): Approved for BAEN Department Head

2. 09/27/18 12:49 pm
   Yossef Elabd (elabd): Approved for CHEN Department Head

3. 09/28/18 8:31 am
   Terra Bissett (t.bissett): Approved for Curricular Services Review

4. 10/05/18 9:48 am
   Bob Knight (bob-knight): Approved for AG Committee Chair UG

5. 10/08/18 1:53 pm
   Sandra Williams (sandra-williams): Approved for UCC Chair
Enforced Prerequisites / Concurrent Enrollment

<table>
<thead>
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<tr>
<td>And</td>
<td>CHEN 205</td>
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<tr>
<td>Or</td>
<td>CVEN 305</td>
<td>C</td>
<td>UG</td>
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</tbody>
</table>

Crosslistings: Yes
Crosslisted With: CHEN 422

Semester: 3
Credit Hour(s): 3
Contact Hour(s) (per week):
Lecture: 2
Lab: 2
Other: 0
Total: 4

Repeatable for credit: No
Three-peat: No
CIP/Fund Code: 1403010006
Default Grade Mode: Letter Grade (G)
Alternate Grade Modes: Satisfactory/Unsatisfactory
Method of instruction:
Laboratory
Lecture
Lecture and Laboratory

Will sections of this course be taught as non-traditional? (i.e., parts of term, distance education): No

Will this course be taught as a distance education course? No
Is 100% of this course going to be taught in Texas? Yes
Will classroom space be needed for this course? Yes

This will be a required course or an elective course for the following programs:

Required (select program)
Elective (select program)

Has/will this course be submitted for core curriculum consideration? No
Has/will this course be submitted for Writing or
Communication consideration?

Has/will this course be(en) submitted for ICD or CD consideration?  

No

Course Syllabus

Syllabus:  
Upload syllabus

Upload syllabus

Letters of support or other documentation

No

Additional information

Reviewer Comments  
Sandra Williams (sandra-williams) (11/05/18 2:37 pm): UCC approved November 2018.

Reported to state?

No

Key: 1725
Course Change Request

Date Submitted: 09/27/18 9:50 am

Viewing: **BAEN 464 : Irrigation and Drainage Engineering**

Last edit: 09/27/18 1:35 pm

Changes proposed by: ashleaschroeder

Catalog Pages referencing this course

| BAEN - Biological & Ag Engr (BAEN) |
| Department of Biological and Agricultural Engineering |

Programs referencing this course

| BS-EVEN: Bachelor of Science in Environmental Engineering |

Faculty Senate Number

Contact(s)

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</tbody>
</table>

Rationale for Course

*The proposed changes are part of a routine curriculum review.*

Edit

Course prefix BAEN Course number 464

Department Biological & Agricultural Eng

College/School Agriculture & Life Sciences

Academic Level Undergraduate

Undergraduate course level justification (Select One)

Prerequisites

*All prerequisites will be enforced through COMPASS.*

Academic Level Graduate

Effective term 2019-2020

Complete Course Title

Irrigation and Drainage Engineering

Abbreviated Course Title IRRGTN & DRAINAGE ENGR

Catalog course description

Engineering principles and design of both surface and pressurized irrigation systems; introduction to the design of surface and subsurface drainage systems including crop water requirements, soil moisture, irrigation scheduling, surface irrigation, sprinkler irrigation, trickle irrigation, pumps, pipelines, irrigation canals, irrigation wells, and surface and subsurface drainage.

Prerequisites and Restrictions

Grade of C or better in BAEN 340, BAEN 340.

Concurrent Enrollment No

Should catalog prerequisites / Yes No

In Workflow

1. BAEN Department Head
2. Curricular Services Review
3. AG Committee Preparer UG
4. AG Committee Chair UG
5. AG College Dean UG
6. UCC Preparer
7. UCC Chair
8. Faculty Senate Preparer
9. Faculty Senate
10. Provost II
11. President
12. Curricular Services
13. Banner

Approval Path

1. 09/27/18 10:18 am
   Zivko Nikolov (znikolov): Approved for BAEN Department Head
2. 09/27/18 1:37 pm
   Terra Bissett (t.bissett): Approved for Curricular Services Review
3. 09/27/18 1:40 pm
   Dawn Kerstetter (dkersteer): Approved for AG Committee Preparer UG
4. 10/05/18 9:48 am
   Bob Knight (bob-knight): Approved for AG Committee Chair UG
5. 10/05/18 9:57 am
   Dawn Kerstetter (dkersteer): Approved for AG College Dean UG
6. 10/08/18 1:53 pm
   Sandra Williams (sandra-williams): Approved for UCC Preparer
7. 11/05/18 2:37 pm
   Sandra Williams (sandra-williams): Approved for UCC Chair

https://nextcatalog.tamu.edu/courseleaf/approve/?role=Faculty%20Senate
Enforced Prerequisites / Concurrent Enrollment

<table>
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Crosslistings: No
Crosslisted With: No
Stacked: No
Stacked with: No

Semester: 3
Credit Hour(s): 3
Contact Hour(s) (per week):
- Lecture: 2
- Lab: 2
- Other: 0
Total: 4

Repeatable for credit: No
Three-peat: No
CIP/Fund Code: 1403010006
Default Grade Mode: Letter Grade (G)
Alternate Grade Modes: Satisfactory/Unsatisfactory
Method of instruction: Lecture and Laboratory
Will sections of this course be taught as non-traditional? (i.e., parts of term, distance education): No
Will this course be taught as a distance education course: No
Is 100% of this course going to be taught in Texas: Yes
Will classroom space be needed for this course: Yes

This will be a required course or an elective course for the following programs:

Program(s)
- (BS-BAEN) Biological and Agricultural Engineering - BS
ICD or CD consideration?

Course Syllabus

Syllabus: Download syllabus

Letters of support or other documentation: No

Additional information:

Reviewer Comments: Sandra Williams (sandra-williams) (11/05/18 2:37 pm): UCC approved November 2018.

Reported to state: No
Course Change Request

Viewing: BAEN 465: Design of Biological Waste Treatment Systems

Last approved: 06/12/18 3:25 am
Last edit: 09/27/18 4:16 pm
Changes proposed by: ashleaschroeder

Catalog Pages referencing this course:
- BAEN - Biological & Ag Engr (BAEN)
  Department of Biological and Agricultural Engineering

Programs referencing this course:
- BS-CVEN-ENE: Civil Engineering - BS, Environmental Engineering Track
- BS-EVEN: Bachelor of Science in Environmental Engineering

Faculty Senate Number: FS.36.011

Contact(s)

<table>
<thead>
<tr>
<th>Name</th>
<th>E-mail</th>
<th>Phone</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ashlea Schroeder</td>
<td><a href="mailto:aschroeder@tamu.edu">aschroeder@tamu.edu</a></td>
<td>979-845-0609</td>
</tr>
</tbody>
</table>

Rationale for Course

The proposed changes are part of a routine curriculum review.

Course prefix: BAEN
Course number: 465

Department: Biological & Agricultural Eng
College/School: Agriculture & Life Sciences
Academic Level: Undergraduate
Undergraduate course level justification (Select One):

Academic Level (alternate): Graduate
Effective term: 2019-2020

Complete Course Title:
Design of Biological Waste Treatment Systems
Abbreviated Course Title:
DES BIOL WASTE TREAT SYS

Catalog course description:
Management and treatment of high organic content wastes, with emphasis on agricultural and food processing wastes; engineering design of biological waste treatment processes; regulatory aspects affecting management of agricultural wastes.

Prerequisites and Restrictions:
Grade of C or better in BIOL 113 or BIOL 111 and CHEM 222 or CHEM 227, or 222. or BAEN 302.

Concurrent Enrollment: No

Approval Path

1. 09/27/18 10:18 am
   Zivko Nikolov (znikolov): Approved for BAEN Department Head
2. 09/28/18 10:47 am
   Terra Bisse (t.bisse): Approved for Curricular Services Review
3. 09/28/18 11:04 am
   Dawn Kersteer (dkersteer): Approved for AG Committee Preparer UG
4. 10/05/18 9:48 am
   Bob Knight (bob-knight): Approved for AG Committee Chair UG
5. 10/05/18 9:57 am
   Dawn Kersteer (dkersteer): Approved for AG College Dean UG
6. 10/08/18 1:53 pm
   Sandra Williams (sandra-williams): Approved for UCC Preparer
7. 11/05/18 2:38 pm
   Sandra Williams (sandra-williams): Approved for UCC Chair

History

1. Aug 28, 2017 by Ashlea Schroeder
Should catalog prerequisites / concurrent enrollment be enforced? Yes

Enforced Prerequisites / Concurrent Enrollment

<table>
<thead>
<tr>
<th>And/Or</th>
<th>Course Prefix/Number</th>
<th>Min Grade/Score</th>
<th>Academic Level</th>
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<td>Or</td>
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<td>Or</td>
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<td>C</td>
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</table>

Crosslistings No
Crosslisted With

Stacked Yes
Stacked with BAEN 665 - Design of Biological Waste Treatment Systems

Semester 3
Credit 3
Contact Hour(s) Lecture: 3 Lab: 0 Other: 0 Total: 3
Repeatable for credit? No
Three-peat? No
CIP/Fund Code 1403010006
Default Grade Mode Letter Grade (G)
Alternate Grade Modes Satisfactory/Unsatisfactory
Method of instruction Lecture
Will sections of this course be taught as non-traditional? (i.e., parts of term, distance education) No Yes
Will this course be taught as a distance education course? No
Is 100% of this course going to be taught in Texas? Yes
Will classroom space be needed for this course? Yes

This will be a required course or an elective course for the following programs:

Required (select program)

Elective (select program)

<table>
<thead>
<tr>
<th>Program(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>(BS-BAEN) Biological and Agricultural Engineering - BS</td>
</tr>
<tr>
<td>(BS-EVEN) Bachelor of Science in Environmental Engineering</td>
</tr>
<tr>
<td>Question</td>
</tr>
<tr>
<td>-------------------------------------------------------------------------</td>
</tr>
<tr>
<td>Has/will this course been submitted for core curriculum consideration?</td>
</tr>
<tr>
<td>Has/will this course been submitted for Writing or Communication</td>
</tr>
<tr>
<td>consideration?</td>
</tr>
<tr>
<td>Has/will this course been submitted for ICD or CD consideration?</td>
</tr>
</tbody>
</table>

**Course Syllabus**

Syllabus:

- Upload syllabus
- [BAEN 465 traditional course.docx](BAEN 465 traditional course.docx)
- [BAEN 465 non-traditional course.docx](BAEN 465 non-traditional course.docx)

Letters of support or other documentation:

- Yes

Additional information:

Reviewer Comments: Sandra Williams (sandra-williams) (11/05/18 2:38 pm): UCC approved November 2018.

Reported to state?

- No
Course Change Request

Viewing: BESC 367: U.S. Environmental Regulations

Last approved: 09/06/18 3:21 am
Last edit: 09/06/18 4:22 pm
Changes proposed by: semurdock

Rationale for Course
The proposed changes are part of a routine curriculum review.

Course prefix: BESC  Course number: 367
Department: Plant Pathology & Microbiology
College/School: Agriculture & Life Sciences
Academic Level: Undergraduate
Undergraduate course level justification (Select One)
Prerequisites

All prerequisites will be enforced through COMPASS.


Complete Course Title: U.S. Environmental Regulations
Abbreviated Course Title: US ENVIRONMENTAL REGULAT

Catalog course description:
Investigation of the legal infrastructure of the U.S. associated with regulating environmental impacts; examination of major U.S. environmental statutes associated with air and water quality, toxic substances, waste and hazardous substance release, energy and natural resources; review the relationship between U.S. policy and international environmental regulations.

Prerequisites and Restrictions
BESC 201 and junior or GEOS 105, senior classification.

Concurrent Enrollment: No

Faculty Senate Number: F.S.36.040

Contact(s)

<table>
<thead>
<tr>
<th>Name</th>
<th>E-mail</th>
<th>Phone</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sam Murdock</td>
<td><a href="mailto:murdock@tamu.edu">murdock@tamu.edu</a></td>
<td>979-845-2388</td>
</tr>
</tbody>
</table>

Approval Path

1. 09/06/18 3:48 pm  
   Won Bo Shim (wbshim): Approved for PLPM Reviewer

2. 09/06/18 3:50 pm  
   Won Bo Shim (wbshim): Approved for PLPM Department Head

3. 09/07/18 8:29 am  
   Terra Bissett (t.bissett): Approved for Curricular Services Review

4. 09/07/18 8:48 am  
   Dawn Kersteer (dkersteer): Approved for AG Committee Preparer UG

5. 10/05/18 9:57 am  
   Bob Knight (bob-knight): Approved for AG Committee Chair UG

6. 10/05/18 9:57 am  
   Dawn Kersteer (dkersteer): Approved for AG College Dean UG

7. 10/08/18 1:53 pm  
   Sandra Williams (sandra-williams): Approved for UCC Preparer

8. 11/05/18 2:38 pm  
   Sandra Williams (sandra-williams): Approved for UCC Chair

Programs referencing this course

BS-BESC: Bioenvironmental Sciences - BS
BS-ENST: Environmental Studies - BS
MINOR-BESC: Bioenvironmental Sciences - Minor
BS-ENGS: Environmental Geosciences - BS

Catalog Pages referencing this course

BESC - Bioenvironmental Sci (BESC)
Department of Plant Pathology and Microbiology
GEOS - Geosciences (GEOS)
Should catalog prerequisites / concurrent enrollment be enforced? Yes

Enforced Prerequisites / Concurrent Enrollment

<table>
<thead>
<tr>
<th>And/Or</th>
<th>Course Prefix/Number</th>
<th>Min Grade/Score</th>
<th>Academic Level</th>
<th>)</th>
<th>Concurrency?</th>
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<tbody>
<tr>
<td>Or</td>
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<tr>
<td></td>
<td>GEOS 105</td>
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Crosslistings: No
Crosslisted With: No
Stacked: No
Stacked with: No

Semester: 3
Credit: 3
Hour(s): (per week):
Lecture: 3
Lab: 0
Other: 0
Total: 3

Repeatable for credit? No
Three-peat? No
CIP/Fund Code: 2613010002
Default Grade Mode: Letter Grade (G)
Alternate Grade Modes: Satisfactory/Unsatisfactory
Method of instruction: Lecture

Will sections of this course be taught as non-traditional? (i.e., parts of term, distance education) Yes

Learning Outcomes

Meets traditional face-to-face learning outcomes.

Describe how learning outcomes are met or provide justification why they are not met.

- The Learning Outcomes are met through a variety of content delivery and assessment approaches as outlined by the syllabus provided for the approval of the DE version.
  - For content mastery, students are to:
    - Read a relatively rigorous textbook, targeted at upper level undergraduates
    - Watch the video lectures
    - Review terms using the Quizlet feature
    - Construct quality notes using the notes guidance provided with each chapter
    - Practice using weekly quizzes
    - Demonstrate content mastery via the content mastery aspects of three unit exams
  - For concept integration and critical thinking students are to:
    - Engage with the case study materials
    - Respond to case study prompts
    - Write integrative essays and evaluate other’s perspectives
    - Demonstrate critical/integrative thinking via the critical/integrative thinking aspects of three unit exams

Hours

Meets traditional face-to-face hours.
Describe how hours are met or provide justification why they are not met.

- As indicated in the syllabus submitted, the activities for the course add to 135 hours based on realistic time it takes students to do each task.
  - Read textbook - 2.5 hours per chapter
  - Watch the video lectures and take notes - 2 hours per chapter
  - Review terms using the Quizlet feature - 1 hour/chapter
  - Practice using weekly quizzes - 1 hour/chapter
  - Study for unit exams - 5 hours/exam
  - Case study - 3 hours/case
  - Write integrative essays and evaluate other's perspectives - 4 hours per essay

Again, see syllabus for totals.

Will this course be taught as a distance education course? Yes

I verify that I have reviewed the FAQ for Export Control Basics for Distance Education. Yes

Is 100% of this course going to be taught in Texas? Yes

Will classroom space be needed for this course? Yes

This will be a required course or an elective course for the following programs:

<table>
<thead>
<tr>
<th>Program(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>(BS-ENST) Environmental Studies - BS</td>
</tr>
<tr>
<td>(BS-USAL-ENB*) University Studies - BS, Environmental Business Concentration</td>
</tr>
</tbody>
</table>

<table>
<thead>
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<th>Program(s)</th>
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</thead>
<tbody>
<tr>
<td>(BS-BESC) Bioenvironmental Sciences - BS</td>
</tr>
</tbody>
</table>

Has/will this course be(en) submitted for core curriculum consideration? No

Has/will this course be(en) submitted for Writing or Communication consideration? No

Has/will this course be(en) submitted for ICD or CD consideration? No

Course Syllabus

Syllabus: Upload syllabus

Upload syllabus

04092018 BESC 367 online equivalency syllabus FINAL.pdf
BESC 367 online equivalency syllabus FINAL.pdf
Letters of support or other documentation: No

Additional information:

Reviewer Comments:
- Terra Bissett (t.bissett) (09/07/18 8:27 am): Course previously approved for NTFA.
- Terra Bissett (t.bissett) (09/07/18 8:28 am): Syllabus not required for this type of change.
- Sandra Williams (sandra-williams) (11/05/18 2:38 pm): UCC approved November 2018.

Reported to state?: No
Course Change Request

Date Submitted: 09/22/18 5:42 pm

Viewing: COMM 321 : Strategic Communication Case Studies

Last edit: 09/24/18 10:01 am

Changes proposed by: n-street

Catalog Pages referencing this course
- COMM - Communication (CDMM)
- Department of Communication

Programs referencing this course
- CERT-CU55: Strategic Communication - Certificate

Faculty Senate Number

Contact(s)

<table>
<thead>
<tr>
<th>Name</th>
<th>E-mail</th>
<th>Phone</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nancy Street</td>
<td><a href="mailto:n-street@tamu.edu">n-street@tamu.edu</a></td>
<td>979-862-6968</td>
</tr>
</tbody>
</table>

Rationale for Course

Edit

The proposed changes are part of a routine curriculum review.

Course prefix    COMM
Course number 321

Department    Communication
College/School    Liberal Arts
Academic Level Undergraduate

Undergraduate course level justification (Select One)

Prerequisites

All prerequisites will be enforced through COMPASS.

Academic Level Graduate

Effective term 2019-2020

Complete Course Title Strategic Communication Case Studies

Abbreviated Course Title STRATEGIC COMM CASE STUDIES

Catalog course description

Strategic communication practice; application of skills including communication research, media writing and advanced media writing, visual media and public speaking; service-learning as not-for-fee consultant to a community organization.

Prerequisites and Restrictions

Grade of C COMM 323 and junior or better in COMM 323 and COMM 322; Junior senior classification or senior classification or approval of instructor.

Concurrent Enrollment No

Should catalog prerequisites / Yes

In Workflow
1. COMM Department Head
2. Curricular Services Review
3. LA Committee Preparer UG
4. LA Committee Chair UG
5. LA College Dean UG
6. UCC Preparer
7. UCC Chair
8. Faculty Senate Preparer
9. Faculty Senate
10. Provost II
11. President
12. Curricular Services
13. Banner

Approval Path
1. 09/24/18 8:49 am
   Kevin Barge (kbarge):
   Approved for COMM Department Head
2. 09/24/18 10:04 am
   Terra Bisse (t.bisse):
   Approved for Curricular Services Review
3. 09/24/18 10:15 am
   Steve Oberhelman (s-oberhelman):
   Approved for LA Committee Preparer UG
4. 10/15/18 4:27 pm
   Steve Oberhelman (s-oberhelman):
   Approved for LA Committee Chair UG
5. 10/15/18 4:29 pm
   Steve Oberhelman (s-oberhelman):
   Approved for LA College Dean UG
6. 10/16/18 8:43 am
   Sandra Williams (sandra-williams):
   Approved for UCC Preparer
7. 11/05/18 2:38 pm
   Sandra Williams (sandra-williams):
   Approved for UCC Chair
Enforced Prerequisites / Concurrent Enrollment

<table>
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<tr>
<th>And/Or</th>
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<th>Min Grade/Score</th>
<th>Academic Level</th>
<th>Concurrency?</th>
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Crosslistings

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</thead>
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</table>

Semester: 3, Credit: 3, Lecture: 3, Lab: 0, Other: 0, Total: 3

Repeatable for credit? No
Three-peat? No
CIP/Fund Code: 0901000001
Default Grade Mode: Letter Grade (G)
Alternate Grade Modes: Satisfactory/Unsatisfactory
Method of instruction: Lecture

Will sections of this course be taught as non-traditional? (i.e., parts of term, distance education) No

Will this course be taught as a distance education course? No
Is 100% of this course going to be taught in Texas? Yes
Will classroom space be needed for this course? Yes

This will be a required course or an elective course for the following programs:

<table>
<thead>
<tr>
<th>Program(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>(CERT-CU55) Strategic Communication - Certificate</td>
</tr>
</tbody>
</table>

Has/will this course be(en) submitted for core curriculum consideration? No
Has/will this course be(en) submitted for Writing or Communication consideration? No
Has/will this course be(en) submitted for ICD or CD consideration?

No

Course Syllabus

Syllabus: Upload syllabus
Upload syllabus

Letters of support or other documentation
No

Additional information
This course requires both the theory course and the skills course prior to the case studies. This course is part of the Certificate in Strategic Communication

Reviewer Comments
Terra Bissett (t.bissett) (09/24/18 10:04 am): Minor edits made to catalog prerequisites to comply with catalog style guide.
Sandra Williams (sandra-williams) (11/05/18 2:38 pm): UCC approved November 2018.

Reported to state?
No
Course Change Request

Date Submitted: 09/22/18 5:44 pm

Viewing: COMM 322: Communication Tactics

Last edit: 09/24/18 10:36 am
Changes proposed by: n-street

Catalog Pages referencing this course:
- COMM - Communication (CDMM)
- Department of Communication

Programs referencing this course:
- CERT-CUSS: Strategic Communication - Certificate

Faculty Senate Number

Contact(s)

<table>
<thead>
<tr>
<th>Name</th>
<th>E-mail</th>
<th>Phone</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nancy Street</td>
<td><a href="mailto:n-street@tamu.edu">n-street@tamu.edu</a></td>
<td>979-862-6968</td>
</tr>
</tbody>
</table>

Rationale for Course

The proposed changes are part of a routine curriculum review.

Course prefix: COMM
Course number: 322
Department: Communication
College/School: Liberal Arts
Academic Level: Undergraduate
Undergraduate course level justification (Select One)

Prerequisites

All prerequisites will be enforced through COMPASS.

Academic Level: Graduate

Effective term: 2019-2020

Complete Course Title: Communication Tactics
Abbreviated Course Title: COMMUNICATION TACTICS

Catalog course description:
Examination of strategic use of communication tactics; analysis of new and digital media in organizational and public communication; skill development in strategic use of communication tactics including writing for new media, researching, planning, integrating and evaluation effectiveness of traditional and new media tactics in strategic public communication.

Prerequisites and Restrictions

Grade of C in COMM 322, junior or better in COMM 323, junior or senior classification.

Concurrent Enrollment: No

Should catalog prerequisites / in Workflow:
1. 09/24/18 8:50 am
   Kevin Barge (kbarge): Approved for COMM Department Head
2. 09/24/18 11:10 am
   Terra Bisse (t.bisse): Approved for Curricular Services Review
3. 09/24/18 11:14 am
   Steve Oberhelman (s-oberhelman): Approved for LA Committee Preparer UG
4. 10/15/18 4:27 pm
   Steve Oberhelman (s-oberhelman): Approved for LA Committee Chair UG
5. 10/15/18 4:29 pm
   Steve Oberhelman (s-oberhelman): Approved for LA College Dean UG
6. 11/05/18 2:38 pm
   Sandra Williams (sandra-williams): Approved for UCC Preparer
7. 11/05/18 2:38 pm
   Sandra Williams (sandra-williams): Approved for UCC Chair
Enforced Prerequisites / Concurrent Enrollment

<table>
<thead>
<tr>
<th>And/Or</th>
<th>Course Prefix/Number</th>
<th>Min Grade/Score</th>
<th>Academic Level</th>
<th>Concurrency?</th>
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<tbody>
<tr>
<td></td>
<td>COMM 323</td>
<td>C</td>
<td>UG</td>
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</tr>
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</table>

Crosslistings: No
Crosslisted With: No
Stacked: No
Stacked with: No

Semester: 3
Credit Hour(s): 3
Contact Hour(s) (per week): Lecture: 3, Lab: 0, Other: 0, Total: 3
Repeatable for credit? No
Three-peat? No
CIP/Fund Code: 0901010001
Default Grade Mode: Letter Grade (G)
Alternate Grade Modes: Satisfactory/Unsatisfactory
Method of instruction: Lecture
Will sections of this course be taught as non-traditional? (i.e., parts of term, distance education): No

Will this course be taught as a distance education course? No
Is 100% of this course going to be taught in Texas? Yes
Will classroom space be needed for this course? Yes

This will be a required course or an elective course for the following programs:

Required (select program)
Elective (select program)

Has/will this course be(en) submitted for core curriculum consideration? No
Has/will this course be(en) submitted for Writing or Communication consideration? No
Has/will this course be(en) submitted for...
## Course Syllabus

<table>
<thead>
<tr>
<th>Syllabus:</th>
<th>Upload syllabus</th>
</tr>
</thead>
<tbody>
<tr>
<td>Letters of support or other documentation</td>
<td>No</td>
</tr>
<tr>
<td>Additional information</td>
<td>This course is part of a sequence of courses in the Certificate in Strategic Communication.</td>
</tr>
</tbody>
</table>
| Reviewer Comments | Terra Bissett (t.bissett) (09/24/18 11:10 am): Minor edits made to catalog prerequisites to comply with catalog style guide.  
Sandra Williams (sandra-williams) (11/05/18 2:38 pm): UCC approved November 2018. |
| Reported to state? | No |

Key: 3091
Course Change Request

Date Submitted: 10/07/18 3:35 pm

Last edit: 10/08/18 8:35 am

Changes proposed by: n-street

Rationale for Course Edit

The proposed changes are part of a routine curriculum review.

Catalog Pages referencing this course

COMM - Communication (CDMM)
Department of Communication

Programs referencing this course

CERT-CU7: Communication and Global Media - Certificate
BA-INTS-ICM: International Studies - BA, International Communication and Media Track
CERT-CU29: Health Communication - Certificate

Faculty Senate Number

Contact(s)

<table>
<thead>
<tr>
<th>Name</th>
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<td><a href="mailto:n-street@tamu.edu">n-street@tamu.edu</a></td>
<td>979-862-6968</td>
</tr>
</tbody>
</table>

Prerequisites

All prerequisites will be enforced through COMPASS.

Academic Level (alternate)

Effective term

2019-2020

Complete Course Title

Technology and Human Communication

Abbreviated Course Title

TECHNOLOGY & COMMUNICATION

Catalog course description

Nontechnical survey of how modern technologies influence human communication including an introduction to communication technologies; the influence of technology on interpersonal communication, group decision-making and public communication; an analysis of argumentation and persuasion in technological issues.

Prerequisites and Restrictions

Grade of C or better in COMM 230.

Concurrent Enrollment

No

Should catalog prerequisites /

Yes

In Workflow

1. COMM Department Head
2. Curricular Services Review
3. LA Committee Preparer UG
4. LA Committee Chair UG
5. LA College Dean UG
6. UCC Preparer
7. UCC Chair
8. Faculty Senate Preparer
9. Faculty Senate
10. Provost II
11. President
12. Curricular Services
13. Banner

Approval Path

1. 09/24/18 8:50 am
   Kevin Barge (kbarge): Approved for COMM Department Head
2. 09/24/18 11:12 am
   Terra Bissett (t.bissett): Rollback to Initiator
3. 10/08/18 8:15 am
   Kevin Barge (kbarge): Approved for COMM Department Head
4. 10/08/18 8:36 am
   Terra Bissett (t.bissett): Approved for Curricular Services Review
5. 10/08/18 9:27 am
   Steve Oberhelman (s-oberhelman): Approved for LA Committee Preparer UG
6. 10/15/18 4:27 pm
   Steve Oberhelman (s-oberhelman): Approved for LA Committee Chair UG
7. 10/15/18 4:29 pm
   Steve Oberhelman (s-oberhelman): Approved for LA College Dean UG
8. 10/16/18 8:43 am
   Sandra Williams (sandra-williams): Approved for UCC Preparer
9. 11/05/18 2:38 pm
   Sandra Williams
Enforced Prerequisites / Concurrent Enrollment

| And/Or | Course Prefix/Number | Min Grade/Score | Academic Level | Concurrency?
|--------|----------------------|-----------------|----------------|-----------------
| And/Or | COMM 230             | C               | UG             | No              |
| Crosslistings | No | Crosslisted With |                |                 |
| Stacked | No | Stacked with | | |

Semester: 3  
Credit Hour(s): 3  
Contact Hour(s): Lecture: 3  
Lab: 0  
Other: 0  
Total: 3  
Repeatable for credit?: No  
Three-peat?: No  
CIP/Fund Code: 0901010001  
Default Grade Mode: Letter Grade (G)  
Alternate Grade Modes: Satisfactory/Unsatisfactory  
Method of instruction: Lecture  
Will sections of this course be taught as non-traditional? (i.e., parts of term, distance education): No  
Will this course be taught as a distance education course?: No  
Is 100% of this course going to be taught in Texas?: Yes  
Will classroom space be needed for this course?: Yes  

This will be a required course or an elective course for the following programs:

**Required (select program)**

<table>
<thead>
<tr>
<th>Program(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>(BA-TCMS) Telecommunication Media Studies - BA</td>
</tr>
<tr>
<td>(BS-TCMS) Telecommunication Media Studies - BS</td>
</tr>
</tbody>
</table>

**Elective (select program)**

<table>
<thead>
<tr>
<th>Program(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>(BA-COMM) Communication - BA</td>
</tr>
</tbody>
</table>

Has/will this course be(en) submitted for core curriculum consideration?: No  
Has/will this course be(en) submitted for Writing or
Course Syllabus

Syllabus: Upload syllabus
Upload syllabus

Letters of support or other documentation: No

Additional information

Reviewer Comments
- Terra Bissett (t.bissett) (09/24/18 11:12 am): Rollback: Please complete enforced prerequisite table for course prerequisite.
- Terra Bissett (t.bissett) (10/08/18 8:35 am): Update received.
- Sandra Williams (sandra-williams) (11/05/18 2:38 pm): UCC approved November 2018.

Reported to state? No
Course Change Request

Date Submitted: 10/11/18 1:33 pm

Viewing: **CSCE 438 : Distributed Systems Objects Programming**

Last approved: 04/26/18 3:23 am

Last edit: 10/16/18 9:50 am

Changes proposed by: smiling sheila

<table>
<thead>
<tr>
<th>Catalog Pages referencing this course</th>
<th>Programs referencing this course</th>
</tr>
</thead>
<tbody>
<tr>
<td>CSCE - Computer Sci &amp; Enger (CSCE)</td>
<td>CERT-CU12: Data Center Operations Engineering - Certificate</td>
</tr>
</tbody>
</table>

Faculty Senate Number

Contact(s)

<table>
<thead>
<tr>
<th>Name</th>
<th>E-mail</th>
<th>Phone</th>
</tr>
</thead>
<tbody>
<tr>
<td>Shelia Dotson</td>
<td><a href="mailto:dotson@tamu.edu">dotson@tamu.edu</a></td>
<td>979-845-6176</td>
</tr>
</tbody>
</table>

Rationale for Course

**Edit**

The proposed changes are part of a routine curriculum review.

Course prefix: CSCE  
Course number: 438

Department: Computer Science & Engineering

College/School: College of Engineering

Academic Level: Undergraduate

Undergraduate course level justification (Select One)

Prerequisites

All prerequisites will be enforced through COMPASS.

Academic Level (alternate): Graduate

Effective term: 2019-2020

Complete Course Title: Distributed Systems Objects Programming

Abbreviated Course Title: DISTRIBUTED SYSTEMS DIST OBJECTS PROGRAMMING

Catalog course description

Principles of distributed computing and techniques for engineering distributed systems with topics including communication, concurrency, programming with current paradigms, naming, managing shared state, caching, synchronization, reaching agreement, fault tolerance, security, middleware protocols, and distributed applications; design, implement, application programming interfaces including Sockets, RMI, CORBA, IDL, Servlets, Web Services; security issues with public/private keys, digital signatures, forms, and debug large software systems. GUI based applications with multi-tier components, database connectivity and storing/streaming data structured using XML.

Prerequisites and Restrictions

CSCE 313; junior 345 or senior classification, or approval of instructor.

In Workflow

1. CSCE Department Head
2. Curricular Services Review
3. EN Committee Preparer UG
4. EN Committee Chair UG
5. EN College Dean UG
6. UCC Preparer
7. UCC Chair
8. Faculty Senate Preparer
9. Faculty Senate
10. Provost II
11. President
12. Curricular Services
13. Banner

Approval Path

1. 10/15/18 9:31 pm Scott Schafer (schafer): Approved for CSCE Department Head
2. 10/16/18 11:12 am Terra Bissett (t.bisse): Approved for Curricular Services Review
3. 10/18/18 5:19 pm Eileen Hoy (ehoy): Approved for EN Committee Preparer UG
4. 10/18/18 5:54 pm Prasad Enje (enje): Approved for EN Committee Chair UG
5. 10/18/18 5:56 pm Prasad Enje (enje): Approved for EN College Dean UG
6. 10/19/18 2:16 pm Sandra Williams (sandra-williams): Approved for UCC Preparer
7. 11/05/18 2:39 pm Sandra Williams (sandra-williams): Approved for UCC Chair

History

1. Apr 26, 2018 by Terra Bissett (t.bisse)
Concurrent Enrollment: No
Should catalog prerequisites / concurrent enrollment be enforced: Yes

Enforced Prerequisites / Concurrent Enrollment

<table>
<thead>
<tr>
<th>And/Or</th>
<th>Course Prefix/Number</th>
<th>Min Grade/Score</th>
<th>Academic Level</th>
<th>Concurrency?</th>
</tr>
</thead>
<tbody>
<tr>
<td>And/Or</td>
<td>CSCE 313 X45</td>
<td>D</td>
<td>UG</td>
<td></td>
</tr>
</tbody>
</table>

Crosslistings: No
Crosslisted With: 
Stacked: No
Stacked with: 

Semester: 3
Credit Hour(s): Contact Hour(s) (per week): Lecture: 3 Lab: 0 Other: 0 Total: 0

Repeatable for credit: No
Three-peat: No
CIP/Fund Code: 1101020006
Default Grade Mode: Letter Grade (G)
Alternate Grade Modes: Satisfactory/Unsatisfactory

Method of instruction: Lecture
Will sections of this course be taught as non-traditional? (i.e., parts of term, distance education): No

Will this course be taught as a distance education course: No
Is 100% of this course going to be taught in Texas: Yes
Will classroom space be needed for this course: Yes

This will be a required course or an elective course for the following programs:

Required (select program)
Elective (select program)

Program(s)

<table>
<thead>
<tr>
<th>Program(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>(BS-CECN) Computer Engineering - BS, Computer Science Track</td>
</tr>
<tr>
<td>(BS-CPSC) Computer Science - BS</td>
</tr>
<tr>
<td>(BS-CEEN) Computer Engineering - BS, Electrical Engineering Track</td>
</tr>
<tr>
<td>(BA-COMP) Computing - BA</td>
</tr>
</tbody>
</table>

Has/will this course be(en) submitted for core curriculum consideration: No
| Has/will this course be(en) submitted for Writing or Communication consideration? | No |
| Has/will this course be(en) submitted for ICD or CD consideration? | No |

## Course Syllabus

| Syllabus: | Upload syllabus |
| Letters of support or other documentation | No |
| Additional information | Course title and description updated to reflect the course material. 4/25/18—edits made to enforced prerequisite table per UCC policy, effective fall 2018.—TB |
| Reviewer Comments | Terra Bissett (t.bissett) (10/16/18 9:51 am): Minor edits made to catalog course description and prerequisites to comply with catalog style guide. Sandra Williams (sandra-williams) (11/05/18 2:39 pm): UCC approved November 2018. |
| Reported to state? | No |

Key: 3527

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https://nextcatalog.tamu.edu/courseleaf/approve/?role=Faculty%20Senate
Course Change Request

Date Submitted: 10/15/18 10:25 am

Viewing: **CVEN 302 : Computer Applications in Engineering and Construction**

Last approved: 03/27/18 3:25 am

Last edit: 10/15/18 5:19 pm

Changes proposed by: mhueste

| Faculty Senate Number | FS.35.238 |

Contact(s)

<table>
<thead>
<tr>
<th>Name</th>
<th>E-mail</th>
<th>Phone</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mary Beth Hueste</td>
<td><a href="mailto:mhueste@tamu.edu">mhueste@tamu.edu</a></td>
<td>979-845-1940</td>
</tr>
<tr>
<td>Kelly Brumbelow</td>
<td><a href="mailto:kbrumbelow@tamu.edu">kbrumbelow@tamu.edu</a></td>
<td></td>
</tr>
</tbody>
</table>

Rationale for Course

Edit

Other

Explain other rationale

*Update of pre- and co-requisite requirements, Correction/clarification of minimum grade needed in pre-requisites.*

Course prefix     | CVEN
Course number     | 302
Department        | Civil Engineering
College/School    | College of Engineering
Academic Level    | Undergraduate

Undergraduate course level justification (Select One)

Academic Level    | Graduate
(alternate)

Effective term    | 2019-2020 2018-2019

Complete Course Title

Computer Applications in Engineering and Construction

Abbreviated Course Title

COMP APPL ENGR & CONST

Catalog course description

Application of computers to solution of civil engineering problems using various numerical methods; structured computer programming; mathematical modeling and error analysis; solution of algebraic and differential equations; numerical differentiation and integration; curve-fitting; root-finding.

Prerequisites and Restrictions

In Workflow

1. CVEN Department Head
2. Curricular Services Review
3. EN Committee Preparer UG
4. EN Committee Chair UG
5. EN College Dean UG
6. UCC Preparer
7. UCC Chair
8. Faculty Senate Preparer
9. Provost II
10. President
11. Curricular Services
12. Banner

Approval Path

1. 10/15/18 10:30 am Robin Autenrieth (r-autenrieth): Approved for CVEN Department Head
2. 10/16/18 10:12 am Terra Bisse (t.bisse): Approved for Curricular Services Review
3. 10/18/18 5:20 pm Eileen Hoy (ehoy): Approved for EN Commiee Preparer UG
4. 10/18/18 5:54 pm Prasad Enje (enje): Approved for EN Commiee Chair UG
5. 10/18/18 5:56 pm Prasad Enje (enje): Approved for EN College Dean UG
6. 10/19/18 2:18 pm Sandra Williams (sandra-williams): Approved for UCC Preparer
7. 11/05/18 2:39 pm Sandra Williams (sandra-williams): Approved for UCC Chair

History

1. Mar 27, 2018 by Kelly Brumbelow

https://nextcatalog.tamu.edu/courseleaf/approve/?role=Faculty%20Senate

1/3
Grade of C or better in ENGR 102 and PHYS 206, and grade of C or better in MATH 308 or concurrent enrollment; admitted to major degree sequence in civil engineering.

Concurrent Enrollment: No

Should catalog prerequisites / concurrent enrollment be enforced?

Yes

Enforced Prerequisites / Concurrent Enrollment

<table>
<thead>
<tr>
<th>And/Or</th>
<th>Course Prefix/Number</th>
<th>Min Grade/Score</th>
<th>Academic Level</th>
<th>Concurrency?</th>
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<tbody>
<tr>
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<tr>
<td>And</td>
<td>MATH 308</td>
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<td>And</td>
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<td>UG</td>
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<tr>
<td>And</td>
<td>PHYS 206</td>
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<td>UG</td>
<td></td>
</tr>
<tr>
<td>And</td>
<td>MATH 308</td>
<td>C</td>
<td>UG</td>
<td>Yes</td>
</tr>
</tbody>
</table>

Crosslistings: No

Stacked: No

Semester Credit Hour(s)

<table>
<thead>
<tr>
<th>Contact Hour(s) (per week):</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lecture: 2</td>
</tr>
</tbody>
</table>

Repeatable for credit? No

Three-peat? No

CIP/Fund Code: 1408010006

Default Grade Mode: Letter Grade (G)

Alternate Grade Modes: Satisfactory/Unsatisfactory

Method of instruction: Lecture

Lecture and Laboratory

Will sections of this course be taught as non-traditional? (i.e., parts of term, distance education)

No

Will this course be taught as a distance education course?

No

Is 100% of this course going to be taught in Texas?

Yes

Will classroom space be needed for this course?

Yes

This will be a required course or an elective course for the following programs:

Required (select program)

Elective (select program)
<table>
<thead>
<tr>
<th>Question</th>
<th>Answer</th>
</tr>
</thead>
<tbody>
<tr>
<td>Has/will this course be(en) submitted for core curriculum consideration?</td>
<td>No</td>
</tr>
<tr>
<td>Has/will this course be(en) submitted for Writing or Communication consideration?</td>
<td>No</td>
</tr>
<tr>
<td>Has/will this course be(en) submitted for ICD or CD consideration?</td>
<td>No</td>
</tr>
</tbody>
</table>

**Course Syllabus**

Syllabus: Upload syllabus

Letters of support or other documentation: No Yes

Additional information

Reviewer Comments: Sandra Williams (sandra-williams) (11/05/18 2:39 pm): UCC approved November 2018.

Reported to state? No
Course Change Request

Viewing: CVEN 307 : Transportation Engineering

Last approved: 03/13/18 3:27 am
Last edit: 11/05/18 4:24 pm
Changes proposed by: bob_appleton

Catalog Pages referencing this course
- CVEN - Civil Engineering
- CVEN - Civil Engineering (CVEN)
- Zachry Department of Civil Engineering

Programs referencing this course
- BS-CVEN-CEM: Civil Engineering - BS, Construction Engineering and Management Track
- BS-CVEN-ENE: Civil Engineering - BS, Environmental Engineering Track

Faculty Senate Number: FS.35.163

Contact(s)

<table>
<thead>
<tr>
<th>Name</th>
<th>E-mail</th>
<th>Phone</th>
</tr>
</thead>
<tbody>
<tr>
<td>Kelly Brumbelow</td>
<td><a href="mailto:kbrumbelow@tamu.edu">kbrumbelow@tamu.edu</a></td>
<td>979-862-7633</td>
</tr>
<tr>
<td>Bob Appleton</td>
<td><a href="mailto:bob_appleton@tamu.edu">bob_appleton@tamu.edu</a></td>
<td>979-458-8217</td>
</tr>
</tbody>
</table>

Rationale for Course

Edit
Other

The proposed changes are to meet the demand/interest of students.

Explain other rationale

Requesting non-traditional course designation for CVEN 307 taught in study abroad in Rome, Italy in Spring 2019.

Correction/clarification of minimum grade needed in pre-requisites.

Course prefix: CVEN
Course number: 307
Department: Civil Engineering
College/School: College of Engineering
Academic Level: Undergraduate
Undergraduate course level justification (Select One)

Prerequisites

All prerequisites will be enforced through COMPASS.

Academic Level: Graduate
Effective term: 2018-2019 Spring

Complete Course Title
- Transportation Engineering

Abbreviated Course Title
- TRANSPORTATION ENG

Catalog course description

Fundamental principles and methods in planning, design, and operation of transportation systems; driver and vehicle performance capabilities; highway geometric and pavement design principles; traffic analysis and transportation planning.

Approval Path

1. 09/25/18 11:22 am
   Kelly Brumbelow (kbrumbelow):
   Approved for CVEN Department Head

2. 09/25/18 2:46 pm
   Terra Bissett (t.bissett):
   Approved for Curricular Services Review

3. 10/18/18 5:20 pm
   Eileen Hoy (ehoy):
   Approved for EN Committee Preparer UG

4. 10/18/18 5:54 pm
   Prasad Enje (enje):
   Approved for EN Committee Chair UG

5. 10/18/18 5:56 pm
   Prasad Enje (enje):
   Approved for EN College Dean UG

6. 10/19/18 2:18 pm
   Sandra Williams (sandra-williams):
   Approved for UCC Preparer

7. 11/05/18 4:24 pm
   Sandra Williams (sandra-williams):
   Approved for UCC Chair

History

1. 03/13/18 3:27 am by Kelly Brumbelow
Prerequisites and Restrictions
Grad of C or better in CVEN 302 or concurrent enrollment.

Concurrent Enrollment
No

Should catalog prerequisites / concurrent enrollment be enforced?
Yes

Enforced Prerequisites / Concurrent Enrollment

| And/Or | Course Prefix/Number | Min Grade/Score | Academic Level | | Concurrency? |
|---|---|---|---|---|
| Crosslistings | No | Crosslisted With |
| Stacked | No | Stacked with |

Semester
Credit
Hour(s)

Repeatable for credit?
No

Three-peat?
No

CIP/Fund Code
1408010006

Default Grade Mode
Letter Grade (G)

Alternate Grade Modes
Satisfactory/Unsatisfactory

Method of instruction
Lecture

Will sections of this course be taught as non-traditional? (i.e., parts of term, distance education)
Yes

Learning Outcomes
Meets traditional face-to-face learning outcomes.

Describe how learning outcomes are met or provide justification why they are not met.
Students who attend the face-to-face lectures will learn and be able to articulate theories, concepts, principles, skills, and practices of the discipline of transportation engineering. They will evaluate, analyze, and integrate information from a variety of sources. They will work collaboratively through participating in a group project for a shared purpose.

Hours
Meets traditional face-to-face hours.

Describe how hours are met or provide justification why they are not met.
The course will meet in three one-hour sessions per week for 15 weeks, thus satisfying the 3-0 contact hour format and 3 semester credit hours.

Will this course be taught as a distance education course?
No

Is 100% of this course going to be taught in Texas?
No Yes

Will classroom space be needed for this course?
No Yes
This will be a required course or an elective course for the following programs:

<table>
<thead>
<tr>
<th>Program(s)</th>
<th>Required (select program)</th>
<th>Elective (select program)</th>
</tr>
</thead>
<tbody>
<tr>
<td>(BS-CVEN-CEM) Civil Engineering - BS, Construction Engineering and Management Track</td>
<td></td>
<td></td>
</tr>
<tr>
<td>(BS-CVEN-ENE) Civil Engineering - BS, Environmental Engineering Track</td>
<td></td>
<td></td>
</tr>
<tr>
<td>(BS-CVEN-GCE) Civil Engineering - BS, General Civil Engineering Track</td>
<td></td>
<td></td>
</tr>
<tr>
<td>(BS-CVEN-GEO) Civil Engineering - BS, Geotechnical Engineering Track</td>
<td></td>
<td></td>
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<tr>
<td>(BS-CVEN-STR) Civil Engineering - BS, Structural Engineering Track</td>
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<td></td>
</tr>
<tr>
<td>(BS-CVEN-TRA) Civil Engineering - BS, Transportation Engineering Track</td>
<td></td>
<td></td>
</tr>
<tr>
<td>(BS-CVEN-WRN) Civil Engineering - BS, Water Resources Engineering Track</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Has/will this course be(en) submitted for core curriculum consideration? No

Has/will this course be(en) submitted for Writing or Communication consideration? No

Has/will this course be(en) submitted for ICD or CD consideration? No

**Course Syllabus**

Upload syllabus

- CVEN307 Syllabus Traditional.pdf
- Syllabus_CVEN307.pdf

Letters of support or other documentation

- No

Additional information

- CVEN 307 is part of course selection to be taught in Rome, Italy as part of a Spring 2019 semester study abroad.

Reviewer Comments

- Jim Herman (jherman) (10/31/18 8:32 am): ADA statement is out of date and Aggie Honor Code URL is incorrect.
- Sandra Williams (sandra-williams) (11/05/18 4:24 pm): Update received. UCC approved November 2018.

Reported to state?

- No
March 1, 2018

MEMORANDUM

TO: Mr. Michael K. Young  
President

THROUGH: Dr. Carol A. Fierke  
Provost and Executive Vice President

FROM: Dr. Michael Benedik  
Vice Provost

SUBJECT: January 22, 2018 Faculty Senate Items

All of the attached January Faculty Senate items have been reviewed and approved by college, university curriculum, Faculty Senate and Office of the Provost.

New Course Requests, Course Change Requests, Course Withdrawal Requests, Course Inactivations, and Change in Curriculum Requests

Approval recommended. FS.35.153; FS.35.154; FS.35.155; FS.35.156; FS.35.157; FS.35.158; FS.35.159; FS.35.162; FS.35.163; FS.35.164; FS.35.166; FS.35.167; FS.35.168; FS.35.169; FS.35.170; FS.35.171; FS.35.172; FS.35.173; FS.35.174; FS.35.175; FS.35.176; FS.35.177; FS.35.178; FS.35.179; FS.35.180; FS.35.181; FS.35.182; FS.35.183; FS.35.184; FS.35.185; FS.35.186; FS.35.187; FS.35.188; FS.35.189; FS.35.190; FS.35.191; FS.35.192; FS.35.193; FS.35.194; FS.35.195; FS.35.196; FS.35.197; FS.35.198; FS.35.199; FS.35.200; FS.35.201; FS.35.202; FS.35.203; FS.35.204; FS.35.205; FS.35.206; FS.35.207; FS.35.208; FS.35.209; FS.35.210; FS.35.211; FS.35.212; FS.35.213; FS.35.214; FS.35.215; FS.35.216; FS.35.217; FS.35.218; FS.35.219; FS.35.220; FS.35.221; FS.35.227.


FS.35.161: Approval recommended. Graduate Courses Taught in Non-Traditional Formats–Spring 2018—third Request. Graduate Courses Taught in Non-traditional Formats–Spring 2018. All colleges within Texas A&M performed a comparison of the learning outcomes for distance education and non-traditional courses for equivalency to traditional face-to-face courses to determine if the courses met compliance to University Rule 11.03.99.M1. No external action.

FS.35.165: Approval recommended. Certificate is being discontinued to align Engineering Honors with the other Texas A&M honors programs. The closure will have no impact on faculty, staff or students. There are currently no students enrolled in the program. External action: Notification of closure to SACSCOC.
Mr. Michael K. Young  
March 1, 2018  
Page 2

FS.35.222: Approval recommended. College of Liberal Arts Department of Communication, CERT-SMDI Social Media Certificate. Certificate requires 15 SCH and does not surpass the maximum SCHs allowed by TAC, Chapter 5, Subchapter C, Rule Section 5.48. No external action.

FS.35.223: Approval recommended. Mays Business School, Department of Finance, CERT-CFIN Corporate Finance Certificate. Certificate requires 19 SCH and does not surpass the maximum SCHs allowed by TAC, Chapter 5, Subchapter C, Rule Section 5.48. No external action.

FS.35.224: Approval recommended. Mays Business School, Department of Finance, CERT-CMIN Capital Markets and Investments Certificate. Certificate requires 12 SCH and does not surpass the maximum SCHs allowed by TAC, Chapter 5, Subchapter C, Rule Section 5.48. No external action.


FS.35.226: Approval recommended. Courses Taught in Non-traditional Formats-Spring 2018- Second Request. Undergraduate Courses Taught in Non-traditional Formats-Spring 2018. All colleges within Texas A&M performed a comparison of the learning outcomes for distance education and non-traditional courses for equivalency to traditional face-to-face courses to determine if the courses met compliance to University Rule 11.03.99.M1. No external action.

FS.35.228: Approval recommended. Changes update/reflect core curriculum as mandated by the THECB and the Core Curriculum Council of the Faculty Senate. The requested changes will not affect the required total degree program hours. Life & Physical Sciences, Creative Arts, and Language, Philosophy and Culture areas.

FS.35.229: Approval recommended. Proposed Revisions to Student Rule 24.4.20.3, Student Conduct Code, regarding Sexual Exploitation. Please note that within the Justification Statement on the Faculty Senate item, it states that there is additional language that would allow Student Affairs to address students who may choose to prostitute themselves and/or those who choose to solicit prostitutes. However, there is no new language in the revised rule regarding prostitution. We confirmed with Student Affairs that the proposed language was removed by the Student Rules and Regulation Committee prior to submitting the revised rule to the Faculty Senate. Leaving the description in the Justification Statement was an oversight.

Attachments
Course Syllabus

Instructor: Dr. Gene Hawkins  
301C DLEB  
gene.hawkins@tamu.edu

Office Hours: Mondays and Wednesdays, 2:00-3:00 and by appointment. I am around the office most days that I have class. I may not always be available during my office hours if you come without making an appointment. However, I can meet with you at a time that is convenient to both of us. I prefer that you make appointments by phone or email so that you will be assured I can meet with you. You are welcome to stop by my office anytime without an appointment as long as you understand that I may not be available. Students with appointments during office hours have priority over students that just stop by. Dr. Hawkins will make every effort to meet with students at a time that is convenient.

Course Description: CVEN 307. Transportation Engineering. (3-0). Credit 3. Fundamental principles and methods in planning, design, and operation of transportation systems; driver and vehicle performance capabilities; highway geometric and pavement design principles; traffic analysis and transportation planning.

Lecture: Section 501: MWF 9:10-10:00, Room 110 Haynes Engineering Building

Prerequisite: CVEN 302 or registration therein


Course Objectives: To acquaint students with the basic concepts, theory, and practice of transportation engineering as related to planning, design, and operations of the transportation system. Specifically, by the end of the course the student should be able to:

1. Define transportation, identify the various modes of transportation, and describe their respective strengths and weaknesses for hauling persons and goods in the USA.
2. Describe the major issues and challenges facing transportation professionals in a modern society.
3. Describe and discuss the fundamental principles and concepts that are used in the design of highway systems and apply these principles in the design of simple geometric features, such as horizontal and vertical alignment, earthwork computations, and pavement design.
4. Describe the fundamental parameters and relationships that are used to characterize the operation of a transportation facility, and describe methods for monitoring, assessing and improving the performance of those facilities.
5. Design transportation facilities/operations to accommodate a given demand at a specified level of service with respect to the calculated capacity.
6. Discuss the role of transit in a modern transportation system.
7. Estimate the demand for a transportation facility/mode using the traditional four-step planning process.

ABET Objectives: Students completing this class will have (note: letters correspond to letters in department ABET criteria and are not intended to be alphabetical):
b. Ability to design and conduct civil engineering experiments, as well as to analyze critically and interpret the resulting data
c. Ability to design a civil engineering system, component, or process to meet desired needs while incorporating engineering standards and realistic constraints such as those based on economic, environmental, sustainability, constructability, ethical, health and safety, social, and political issues in more than one civil engineering context
e. Ability to identify, formulate and solve civil engineering problems
j. Knowledge of contemporary issues including current civil engineering professional practice issues; ability to explain basic concepts in management, business, public policy, and leadership; and ability to explain the importance of licensure
k. Ability to use modern tools, techniques, and computation methods necessary for civil engineering practice

TA: TBD. Office Hours: TBD (will be provided on course website once finalized)

Attendance: Regular attendance and class participation are expected. Material and discussion associated with classroom activities will be addressed in exams. Class quizzes may be given on occasions to document student attendance or to evaluate student preparation.

Web Site: Distributed to registered students by email.

Grading:

<table>
<thead>
<tr>
<th>Component</th>
<th>Percentage</th>
<th>Grade Range</th>
</tr>
</thead>
<tbody>
<tr>
<td>Exam 1</td>
<td>20%</td>
<td>A = above 90%</td>
</tr>
<tr>
<td>Exam 2</td>
<td>20%</td>
<td>B = 80 to 90%</td>
</tr>
<tr>
<td>Final Exam</td>
<td>25%</td>
<td>C = 70 to 80%</td>
</tr>
<tr>
<td>Group Project</td>
<td>15%</td>
<td>D = 60 to 70%</td>
</tr>
<tr>
<td>Homework</td>
<td>20%</td>
<td>F = below 60%</td>
</tr>
</tbody>
</table>

Class quizzes will be given and will be included in the Homework category.

Readings: Reading assignments for lectures are posted on the course website. Students are responsible for the readings in advance of the class period in which they are discussed. Supplemental reading material will also be assigned for some topics. When feasible, electronic versions of the supplemental materials will be made available. When it is not feasible to provide electronic versions, copies will be made available for purchase or will be provided in the reserve room.

Group Project: A portion of your final grade will come from a group project. The instructor will divide the class into groups to work on the project. The instructor will assign a grade for the entire group. Grades may be adjusted to reflect the contribution of individual group members. Therefore, it is important for you to participate fully in all of your group’s activities. A portion of the group project grade will be based on your adherence with the safety training provided in class.

Homework: There will be homework assignments. Due dates are indicated on the course website. Unless otherwise noted, homework will be due at the beginning of the class on the due date (generally one week after it is assigned). Homework that is handed in late will have the following penalties, unless excused in accordance with University regulations:

- 1 class late – 20% off grade; 2 classes late – 40% off grade; 3 classes or more late – not accepted.

Homework should be prepared in a professional manner as follows:

- It should be submitted on one side of a standard 8.5×11 paper, with all sheets stapled together. Any type of letter-sized letter paper may be used.
- Solutions should show all work neatly and in organized steps.
- Final answers should be neatly identified.
- Name, course number, homework number, and page number should be at the top of each page.
- On each page, the problem should be clearly indicated.

For problems with incorrect solutions, partial credit will be given if your steps are clearly laid out and an error can be easily identified.

Academic Honesty: “An Aggie does not lie, cheat, or steal or tolerate those who do.” Students are expected to understand and abide by the Aggie Honor Code presented on the web at: http://aggiehonor.tamu.edu. No form of scholastic misconduct will be tolerated. Academic misconduct includes cheating, fabrication, falsification, multiple submissions, plagiarism, complicity, etc. These are more fully defined in the above web site. Violations will be handled in accordance with the Aggie Honor System Process described on the web site.

E-mail: Email is the primary means of communication outside the classroom. As much as possible, questions submitted via e-mail will be answered within 24 hours of the time they are received. E-mail will also be used to distribute clarifications on class lectures, schedule, homework, exams and problem solutions.
ADA Policy: The Americans with Disabilities Act (ADA) is a federal anti-discrimination statute that provides comprehensive civil rights protection for persons with disabilities. Among other things, this legislation requires that all students with disabilities be guaranteed a learning environment that provides for reasonable accommodation of their disabilities. If you believe you have a disability requiring an accommodation, please contact Disability Services, currently located in the Disability Services building at the Student Services at White Creek complex on west campus or call 979-845-1637. For additional information, visit [http://disability.tamu.edu](http://disability.tamu.edu).

### Approximate Course Schedule (more detailed schedule on website)

<table>
<thead>
<tr>
<th>Week</th>
<th>Day</th>
<th>Date</th>
<th>Lecture Topics</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>M</td>
<td>8/27</td>
<td>#1: Course Intro and Intro to Transportation Engr</td>
</tr>
<tr>
<td></td>
<td>W</td>
<td>8/29</td>
<td>#2: Issues and Challenges in Transportation</td>
</tr>
<tr>
<td></td>
<td>F</td>
<td>8/31</td>
<td>#3: Traffic Flow Data – Volume</td>
</tr>
<tr>
<td>2</td>
<td>M</td>
<td>9/3</td>
<td>#4: Traffic Flow Data – Speed and Density</td>
</tr>
<tr>
<td></td>
<td>W</td>
<td>9/5</td>
<td>#5: Traffic Flow – Models</td>
</tr>
<tr>
<td></td>
<td>F</td>
<td>9/7</td>
<td>#6: Transportation Studies</td>
</tr>
<tr>
<td>3</td>
<td>M</td>
<td>9/10</td>
<td>#7: Project Introduction and Safety Procedures</td>
</tr>
<tr>
<td></td>
<td>W</td>
<td>9/12</td>
<td>#8: Traffic Flow – Queueing</td>
</tr>
<tr>
<td></td>
<td>F</td>
<td>9/14</td>
<td>#9: Queueing Examples</td>
</tr>
<tr>
<td>4</td>
<td>M</td>
<td>9/17</td>
<td>#10: Roadway Performance and Level-of-Service</td>
</tr>
<tr>
<td></td>
<td>W</td>
<td>9/19</td>
<td>#11: Capacity and Level of Service – Freeways</td>
</tr>
<tr>
<td></td>
<td>F</td>
<td>9/21</td>
<td>#12: Additional LOS Analysis</td>
</tr>
<tr>
<td>5</td>
<td>M</td>
<td>9/24</td>
<td>#13: Transportation Planning – The 4 Step Model</td>
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<tr>
<td></td>
<td>W</td>
<td>9/26</td>
<td>#14: Trip Generation and Trip Distribution</td>
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<tr>
<td></td>
<td>F</td>
<td>9/28</td>
<td>#15: Mode Choice &amp; Trip Assignment</td>
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<td>6</td>
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<td>#16: 4-Step Model example</td>
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<td>W</td>
<td>10/3</td>
<td>#17: EXAM # 1 (classes 1-16)</td>
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<td>F</td>
<td>10/5</td>
<td>#18: Highway Design Introduction</td>
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<tr>
<td>7</td>
<td>M</td>
<td>10/8</td>
<td>#19: Vehicles and Stopping Sight Distance</td>
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<td></td>
<td>W</td>
<td>10/10</td>
<td>#20: Highway Design – Vertical Alignment</td>
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<td>F</td>
<td>10/12</td>
<td>#21: Human Factors</td>
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<td>W</td>
<td>10/17</td>
<td>#23: Roadside Safety Design</td>
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<td>F</td>
<td>10/19</td>
<td>#24: Highway Design – Horizontal Alignment</td>
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<td>M</td>
<td>10/22</td>
<td>#25: Highway Design – Superelevation</td>
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<td>W</td>
<td>10/24</td>
<td>#26: Pavement Design – Overview and ESAL</td>
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<td>F</td>
<td>10/26</td>
<td>#27: Pavement Design – Flexible Pavement</td>
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<td>10</td>
<td>M</td>
<td>10/29</td>
<td>#28: Pavement Design – Rigid Pavement</td>
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<td>W</td>
<td>10/31</td>
<td>#29: EXAM # 2 (classes 18-28)</td>
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<td>F</td>
<td>11/2</td>
<td>#30: Traffic Operations Overview and start Traffic Control Devices</td>
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<td>11</td>
<td>M</td>
<td>11/5</td>
<td>#31: Traffic Control Devices and Retroreflectivity</td>
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<td></td>
<td>W</td>
<td>11/7</td>
<td>#32: MUTCD</td>
</tr>
<tr>
<td></td>
<td>F</td>
<td>11/9</td>
<td>#33: Intersection Control and Traffic Signal Introduction</td>
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<td>12</td>
<td>M</td>
<td>11/12</td>
<td>#34: Signal Warrants and Design</td>
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<td></td>
<td>W</td>
<td>11/14</td>
<td>#35: Access Management</td>
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<td>F</td>
<td>11/16</td>
<td>#36: Signal Timing and Analysis</td>
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<td>M</td>
<td>11/19</td>
<td>#37: Airport Engineering</td>
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<tr>
<td>W</td>
<td>11/21</td>
<td>Reading day, no class</td>
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<tr>
<td>F</td>
<td>11/23</td>
<td>Thanksgiving holiday</td>
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<tr>
<td>M</td>
<td>11/26</td>
<td>#38: Rail Design and Freight Transportation</td>
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<tr>
<td>W</td>
<td>11/28</td>
<td>#39: Transit and Public Transportation</td>
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<tr>
<td>F</td>
<td>11/30</td>
<td>#40: Tort Liability</td>
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<tr>
<td>M</td>
<td>12/3</td>
<td>#41: Class wrap up - how to survive in life and the business world</td>
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<tr>
<td>T</td>
<td>12/5</td>
<td>#42: Continue class wrap-up</td>
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<tr>
<td>M</td>
<td>12/10</td>
<td>307 Final 8:00-10:00 am</td>
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</table>
Texas A&M University  
Zachry Department of Civil Engineering  
CVEN 307: Transportation Engineering (3-0)  
Spring 2019  
Course Syllabus

| Description: | Fundamental principles and methods in planning, design and operation of transportation systems; driver and vehicle performance capabilities; highway geometric and pavement design principles; traffic analysis and transportation planning. |
| Instructor: | Dr. Luca Quadrifoglio – Prof. Stefano Carrese |
| Class website: | [http://elearning.tamu.edu](http://elearning.tamu.edu) |
| Assignments, lectures and other material will be posted. |

| Grading: | You will be guaranteed at least the following letter grades: |
| | A: \( \geq 90 \); B: \( \geq 80 \) and \(< 90 \); C: \( \geq 70 \) and \(< 80 \); D: \( \geq 60 \) and \(< 70 \); F: \(< 60 \). |
| However, depending on the performance of the class overall, you might earn a better grade than expected (example: you might earn an A even with a final score \(< 90 \)). |

| Evaluation: | Homework (HW) 20% |
| | A set of 9-11 assignments; your two worst HW grades will be dropped to calculate your HW avg |
| | 1 Project (P) 15% |
| | 2 Tests (T1 and T2) 20% each |
| | 1 Final exam (F) 25% |

| Homework: | Homework will be assigned weekly and will be due at the beginning of the class and will be graded by the grader. |
| | Pages should be stapled together. |
| Homework should be presented in a professional manner. Each assignment should have clearly indicated name, date, course and HW number. Solutions should show all work neatly and in organized steps. Final answers should be clearly identified. Page numbers should be clearly indicated. |
| Late homework assignments will be penalized as follows: |
| up to 1 class late: -25 points |
| up to 2 classes late: -50 points |
| later: 0 in the assignment |
No excuses, unless properly documented as University excused absences
(http://student-rules.tamu.edu/rule07)
Collaboration among students is allowed and you are encouraged to learn from each
other, but you must turn in your own work: evident copies of assignments of
different students will be given a single grade divided among the students involved.
As a general rule, questions on homework should be addressed to the grader first.
Contact the instructor only if the problem has not been resolved.

Project: A portion of your overall grade will come from a group project. The class will be
divided into groups to work on it. The instructor will assign a grade for the entire
group, but individual grades will be adjusted to reflect the contribution of each student
within the group; this will be assessed by peer evaluation within each group.
Therefore, it is important for you to participate fully in all of your group’s activities.
More detailed info about the project will be announced in class. Each group will turn
in a project report and make a group presentation at the end of the semester.

Exams: The exams will be closed book/notes, but one 8.5x11 cheat sheet (both sides written)
will be allowed for T1 and T2 and 2 ½ for F. Exams can include any type of questions
(True/False, multiple choice, short answer, work-out problems and previously
assigned homework assignments). The instructor will grade all exams.

Attendance: The University views class attendance as the responsibility of an individual student. It
has been observed that attendance has a direct correlation with your final grade, so
attendance is essential to complete the course successfully. It is strongly
recommended that you come to class and pay attention: use the class time wisely to
understand the material; it will save you a lot of your study time throughout the
semester.
Missing exams is not acceptable and you will earn a 0, unless an excused absence is
documented. University rules related to excused and unexcused absences are located

Course Objectives:
To acquaint students with the basic concepts, theory, and practice of transportation
engineering as related to planning, design and operations of the transportation system.
Specifically, by the end of the course the student should be able to:
1. Define transportation, identify the various modes of transportation and describe
their respective strengths and weaknesses for hauling persons and goods in the
USA.
2. Describe the major issues and challenges facing transportation professionals in a
modern society.
3. Describe and discuss the fundamental principles and concepts that are used in the
design of highway systems and apply these principles in the design of simple
geometric features, such as horizontal and vertical alignment, earthwork
computations and pavement design.
4. Describe the fundamental parameters and relationships that are used to
characterize the operation of a transportation facility and describe methods for
monitoring, assessing and improving the performance of those facilities.
5. Design transportation facilities/operations to accommodate a given demand at a specified level of service with respect to the calculated capacity.
6. Discuss the role of public transportation in a modern transportation system.
7. Estimate the demand for a transportation facility/mode using the traditional four-step planning process.

**ABET Objectives:**

Students completing this class will have (note: letters correspond to letters in department ABET criteria and are not intended to be alphabetical):

b. Ability to design and conduct civil engineering experiments, as well as to analyze critically and interpret the resulting data

c. Ability to design a civil engineering system, component, or process to meet desired needs while incorporating engineering standards and realistic constraints such as those based on economic, environmental, sustainability, constructability, ethical, health and safety, social, and political issues in more than one civil engineering context

e. Ability to identify, formulate and solve civil engineering problems

j. Knowledge of contemporary issues including current civil engineering professional practice issues; ability to explain basic concepts in management, business, public policy, and leadership; and ability to explain the importance of licensure

k. Ability to use modern tools, techniques, and computation methods necessary for civil engineering practice

**Americans with Disabilities Act (ADA) Policy:**

The Americans with Disabilities Act (ADA) is a federal anti-discrimination statute that provides comprehensive civil rights protection for persons with disabilities. Among other things, this legislation requires that all students with disabilities be guaranteed a learning environment that provides for reasonable accommodation of their disabilities. If you believe you have a disability requiring an accommodation, please contact Disability Services, currently located in the Disability Services building at the Student Services at White Creek complex on west campus or call 979-845-1637. For additional information, visit [http://disability.tamu.edu](http://disability.tamu.edu).

**Academic Integrity:**

“*An Aggie does not lie, cheat, or steal or tolerate those who do.*”

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The handouts used in this course are copyrighted. By “handouts,” I mean all materials generated for this class, which include but are not limited to syllabi, notes, quizzes, exams, in-class materials, review sheets, and additional problem sets. Because these materials are copyrighted, you do not have the right to copy the handouts unless I expressly grant permission.

Cheating on quizzes and exams will not be tolerated. Cheating will be reported and handled in accordance with the Aggie Honor System Process. Some or all examinations will be closed book;
“looking at another student's examination or using external aids (for example, books, notes, calculators, conversation with others, or electronic devices)” during these examinations is a violation of Texas A&M Aggie Honor Code, Cheating, unless specifically allowed in advance by the instructor.

Unless specifically allowed in advance by the instructor, all assignments and homework in this class are expected to be completed based on individual effort. Copying the work of others, including homework, is a violation of Texas A&M Aggie Honor Code, Cheating.

**Tentative Course Schedule:**

<table>
<thead>
<tr>
<th>Week</th>
<th>Topics</th>
<th>Text Reading</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Introduction to Transportation Engineering</td>
<td>Ch. 1</td>
</tr>
<tr>
<td></td>
<td>Traffic Flow – Measurements</td>
<td>2.1-2.2</td>
</tr>
<tr>
<td>2</td>
<td>Traffic Flow – Models (Greenshields)</td>
<td>2.3</td>
</tr>
<tr>
<td></td>
<td>Traffic Flow – Models (Poisson)</td>
<td>2.4</td>
</tr>
<tr>
<td>3</td>
<td>Traffic Flow – Models (Queueing)</td>
<td>3.3</td>
</tr>
<tr>
<td></td>
<td>Traffic Flow – Models (Queueing)</td>
<td>3.4</td>
</tr>
<tr>
<td>4</td>
<td>Level of Service</td>
<td>3.1-3.2</td>
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<tr>
<td></td>
<td>Transportation Planning (1st Step)</td>
<td>Ch. 4</td>
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<tr>
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<td>Test 1 review</td>
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<td><strong>Test 1</strong></td>
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<td>Transportation Planning (2nd Step)</td>
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<td>Transportation Planning (3rd Step)</td>
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<td>Transportation Planning (4th Step) - TIA</td>
<td>Ch. 6</td>
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<td>Stopping Sight Distance</td>
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<td>Highway Design (Vertical Curves)</td>
<td>Ch. 7</td>
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<td>Pavement Design</td>
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<td>Ch. 6.4/8</td>
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<td>Freigh Trains</td>
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<td>13</td>
<td>Final Review</td>
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<tr>
<td>14</td>
<td>Project Presentations</td>
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<tr>
<td>15</td>
<td>Final Exam (Comprehensive) 8-10</td>
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Course Change Request

Date Submitted: 09/12/18 5:04 pm

Viewing: **CVEN 311**: Fluid Dynamics

Also listed as: **EVEN 311**

Last approved: 04/05/18 3:24 am

Last edit: 11/05/18 4:26 pm

Changes proposed by: bob_appleton

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Contact(s)

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<tr>
<th>Name</th>
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<th>Phone</th>
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<tbody>
<tr>
<td>Kelly Brumbelow</td>
<td><a href="mailto:kbrumbelow@tamu.edu">kbrumbelow@tamu.edu</a></td>
<td>979-862-7633</td>
</tr>
</tbody>
</table>

Rationale for Course

Edit

- The proposed changes are to support a new program.
- The proposed changes are part of a routine curriculum review.
- The proposed changes are to meet the demand/interest of students.

Catalog Pages referencing this course

- CVEN 311: BAEN - Biological & Ag Engr (BAEN)
- CVEN - Civil Engineering
- CVEN - Civil Engineering (CVEN)
- Department of Biological and Agricultural Engineering
- Department of Mechanical Engineering
- Department of Ocean Engineering
- Department of Ocean Engineering

Approval Path

1. 09/25/18 11:23 am
   - Kelly Brumbelow (kbrumbelow): Approved for CVEN Department Head
2. 09/25/18 2:47 pm
   - Terra Bissett (t.bissett): Approved for Curricular Services Review
3. 10/18/18 5:20 pm
   - Eileen Hoy (ehoy): Approved for EN Committee Preparer UG
4. 10/18/18 5:54 pm
   - Prasad Enje (enje): Approved for EN Committee Chair UG
5. 10/18/18 5:56 pm
   - Prasad Enje (enje): Approved for EN College Dean UG
6. 10/19/18 2:16 pm
   - Sandra Williams (sandra-williams): Approved for UCC Preparer
7. 11/05/18 4:26 pm
   - Sandra Williams (sandra-williams): Approved for UCC Chair

Historic

1. Apr 5, 2018 by Kelly Brumbelow
Concurrent Enrollment: No
Should catalog prerequisites / concurrent enrollment be enforced?:
Yes

Enforced Prerequisites / Concurrent Enrollment

<table>
<thead>
<tr>
<th>And/Or</th>
<th>Course Prefix/Number</th>
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<th>Academic Level</th>
<th>Concurrency?</th>
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<td>UG</td>
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<td>And</td>
<td>CVEN 221</td>
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<tr>
<td>And</td>
<td>CVEN 302</td>
<td>C</td>
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Crosslistings: Yes
Crosslisted With: EVEN 311
Stacked: No
Stacked with: 

Semester: 3
Credit Hour(s): 3
Contact Hour(s) (per week):
Lecture: 3
Lab: 0
Other: 0
Total: 3

Repeatable for credit?: No
Three-peat?: No
CIP/Fund Code: 1411010006
Default Grade Mode: Letter Grade (G)
Alternate Grade Modes: Satisfactory/Unsatisfactory
Method of instruction: Lecture
Will sections of this course be taught as non-traditional? (i.e., parts of term, distance education):
Yes No

Learning Outcomes

Meets traditional face-to-face learning outcomes.

Describe how learning outcomes are met or provide justification why they are not met.

Students who attend the face-to-face lectures will learn and be able to articulate theories, concepts, principles, skills, and practices of the discipline of water resources engineering. They will evaluate, analyze, and integrate information from a variety of sources.

Hours

Meets traditional face-to-face hours.

Describe how hours are met or provide justification why they are not met.

The course will meet in three one-hour sessions per week for 15 weeks, thus satisfying the 3-0 contact hour format and 3 semester credit hours.

Will this course be taught as a distance education course?: No

Is 100% of this course going to be taught in Texas?: No Yes

Will classroom space be needed for this course?: Yes

This will be a required course or an elective course for the following programs:
### Program(s)

<table>
<thead>
<tr>
<th>Program(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>(BS-CVEN) Civil Engineering - BS</td>
</tr>
<tr>
<td>(BS-EVEN) Bachelor of Science in Environmental Engineering</td>
</tr>
</tbody>
</table>

#### Required (select program)

<table>
<thead>
<tr>
<th>Has/will this course be(en) submitted for core curriculum consideration?</th>
</tr>
</thead>
<tbody>
<tr>
<td>No</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Has/will this course be(en) submitted for Writing or Communication consideration?</th>
</tr>
</thead>
<tbody>
<tr>
<td>No</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Has/will this course be(en) submitted for ICD or CD consideration?</th>
</tr>
</thead>
<tbody>
<tr>
<td>No</td>
</tr>
</tbody>
</table>

#### Course Syllabus

<table>
<thead>
<tr>
<th>Syllabus:</th>
<th>Upload syllabus</th>
</tr>
</thead>
<tbody>
<tr>
<td>Upload syllabus</td>
<td>CVEN311 - Fluid Dynamics.pdf</td>
</tr>
<tr>
<td></td>
<td>CVEN311 Syllabus Traditional.pdf</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Letters of support or other documentation</th>
</tr>
</thead>
<tbody>
<tr>
<td>No Yes</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Additional information</th>
</tr>
</thead>
<tbody>
<tr>
<td>CVEN 311 is part of course selection to be taught in Rome, Italy as part of a Spring 2019 semester study abroad. Therefore request non-traditional designation.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Reviewer Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>Jim Herman (jherman) (10/31/18 8:41 am): ADA statement is out of date. Aggie Honor Code URL is incorrect.</td>
</tr>
<tr>
<td>Sandra Williams (sandra-williams) (11/05/18 4:26 pm): Update received. UCC approved November 2018.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Reported to state?</th>
</tr>
</thead>
<tbody>
<tr>
<td>No</td>
</tr>
</tbody>
</table>
ROMA FLME 204: Fundamentals of Fluid Mechanics
[Equivalent to TAMU CVEN311 – Fluid Dynamics]

Dates
Spring 2019 - 15 weeks from 1/21 to 5/10, 2019

Instructor
Dr. Luca Quadrifoglio / Prof. Michele La Rocca

Credits
3-4 credit-hour, or 45-60 contact hours

Textbook Main
textbooks:
  • Slides provided by professor

Objective
Students master the fundamental properties of fluids, are able to determine forces acted on surfaces by quiescent and moving fluids, are able to perform mass, momentum and energy budgets in situations of practical interest, such as in pipes networks and in the interaction between pipe flows and pumps and turbines. The students can solve flow problems of practical interest and design simple flow devices.

Topics
  • Introductory Concepts: definitions, dimensions and units, physical properties of fluids.
  • Hydrostatics and Buoyancy: pressure distributions, manometers, hydrostatic forces over surfaces.
  • Hydrodynamic forces over surfaces.
  • Pipe flows: laminar and turbulent regimes, tangential stress, mass and momentum budget in pipe flows.
  • Distributed losses in pipes, friction factor, dimensional analysis and similarity, Buckingham Pi Theorem.
  • Concentrated losses in pipes: sudden expansion in pipes, loss coefficients.
  • Interaction between pipe flows and machines: production and pumping plants.
Practical applications to pipe networks.

**Exams:**
All exams will be closed book/notes. A formula sheet will be allowed.

**Homework:**
Homework will be assigned weekly and will be due at the beginning of the class. Pages should be stapled together. Homework should be presented in a professional manner. Each assignment should have clearly indicated name, date, course and HW number. Solutions should show all work neatly and in organized steps. Final answers should be clearly identified. Page numbers should be clearly indicated.

Late homework assignments will be penalized as follows: up to 1 class late: -25 points; up to 2 classes late: -50 points; later: 0 in the assignment. No excuses, unless properly documented as University excused absences (http://student-rules.tamu.edu/rule07)

Collaboration among students is allowed and you are encouraged to learn from each other, but you must turn in your own work: evident copies of assignments of different students will be given a single grade divided among the students involved.

**Assessment**
- 35% mid-term exam
- 20% homework
- 35% final exam
- 10% Participation

**Grading:**
You will be guaranteed at least the following letter grades:
A: ≥90; B: ≥80 and <90; C: ≥70 and <80; D: ≥60 and <70; F: <60.

However, depending on the performance of the class overall, you might earn a better grade than expected (example: you might earn an A even with a final score <90)

**Attendance:**
The University views class attendance as the responsibility of an individual student. It has been observed that attendance has a direct correlation with your final grade, so attendance is essential to complete the course successfully. It is strongly recommended that you come to class and pay attention: use the class time wisely to understand the material; it will save you a lot of your study time throughout the semester.

Missing exams is not acceptable and you will earn a 0, unless an excused absence is documented. University rules related to excused and unexcused absences are located on-line at http://student-rules.tamu.edu/rule07

**Academic Integrity:**
“An Aggie does not lie, cheat, or steal or tolerate those who do.” Students are expected to understand and abide by the Aggie Honor Code presented on the web at: http://aggiehonor.tamu.edu. No form of scholastic misconduct will be tolerated. Academic misconduct includes cheating, fabrication, falsification, multiple submissions, plagiarism, complicity, etc. These are more fully defined in the above web site. Violations will be handled in
accordance with the Aggie Honor System Process described on the web site. The handouts used in this course are copyrighted. By “handouts,” I mean all materials generated for this class, which include but at not limited to syllabi, notes, quizzes, exams, in-class materials, review sheets, and additional problem sets. Because these materials are copyrighted, you do not have the right to copy the handouts unless I expressly grant permission. Cheating on quizzes and exams will not be tolerated. Cheating will be reported and handled in accordance with the Aggie Honor System Process. Some or all examinations will be closed book; “looking at another student’s examination or using external aids (for example, books, notes, calculators, conversation with others, or electronic devices)” during these examinations is a violation of Texas A&M Aggie Honor Code, Cheating, unless specifically allowed in advance by the instructor. Unless specifically allowed in advance by the instructor, all assignments and homework in this class are expected to be completed based on individual effort. Copying the work of others, including homework, is a violation of Texas A&M Aggie Honor Code, Cheating.

Tentative schedule

<table>
<thead>
<tr>
<th>Week</th>
<th>Topic</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Introductory concepts and definitions, dimensions and units, physical properties of fluids. Ideal gas Law</td>
</tr>
<tr>
<td>2</td>
<td>Viscosity, compressibility, vapor pressure and surface tension, fluid statics</td>
</tr>
<tr>
<td>3</td>
<td>Gauges and manometers; Force on a plane surface</td>
</tr>
<tr>
<td>4</td>
<td>Force on a curve surface; Bernoulli Equation and Buoyancy;</td>
</tr>
<tr>
<td>5</td>
<td>Pressure variation normal to a streamline; Stagnation and dynamic pressure</td>
</tr>
<tr>
<td>6</td>
<td>MIDTERM EXAM</td>
</tr>
<tr>
<td>7</td>
<td>Energy line, hydraulic grade line, and restrictions. Fluid kinematics</td>
</tr>
<tr>
<td>8</td>
<td>Control volumes and Reynolds transport equation; Conservation of mass</td>
</tr>
<tr>
<td>9</td>
<td>Linear momentum equation</td>
</tr>
<tr>
<td>10</td>
<td>Energy equation</td>
</tr>
<tr>
<td>11</td>
<td>Dimension analysis</td>
</tr>
<tr>
<td>12</td>
<td>Hydraulic modeling and examples</td>
</tr>
<tr>
<td>13</td>
<td>Laminar and turbulent pipe flow; tangential stress, mass and momentum budget in pipe flows</td>
</tr>
<tr>
<td>14</td>
<td>Moody diagram and minor/major head losses</td>
</tr>
</tbody>
</table>
Americans with Disabilities Act (ADA) Policy:
The Americans with Disabilities Act (ADA) is a federal anti-discrimination statute that provides comprehensive civil rights protection for persons with disabilities. Among other things, this legislation requires that all students with disabilities be guaranteed a learning environment that provides for reasonable accommodation of their disabilities. If you believe you have a disability requiring an accommodation, please contact Disability Services, currently located in the Disability Services building at the Student Services at White Creek complex on west campus or call 979-845-1637. For additional information, visit http://disability.tamu.edu.
Instructor: Dr. James Kaihatu  
Office: DLEB 201F / DLEB 310D  
Phone: 845-1353 / 862-3511  
Email: jkaihatu@civil.tamu.edu  
(allow up to 48 hours for reply)  
Home page: http://ceprofs.civil.tamu.edu/jkaihatu/

TA: Mourya Penugonda  
Office: DLEB 310A  
Email: mourya.93@tamu.edu


Course Description: Fluid properties; statics; kinematics; basic conservation principles of continuity, momentum and energy; similitude and hydraulic models; incompressible flow in pipes; fluid dynamic drag.

Objective and ABET Outcomes: The objective of this course is to apply the physics of fluid statics and dynamics to the solution of problems in civil engineering – for example, hydrostatic loads on structures, calculation of fluid flowrates through pipes and pipe networks, forces on pipe supports, design of scale models for fluid flow, drag forces on objects from viscous fluids, etc.

Problems you will be able to solve upon completion of this course include:

- Calculation of structural loads due to hydrostatic and hydrodynamic forcing
- Application of conservation laws to solve fluid mechanics problems in civil engineering
- Design scaled hydraulic models for experimental purposes to predict behavior of full-scale prototypes for civil engineering purposes
- Calculate fluid flows through pipes
- Determine fluid drag on solid bodies submerged in fluid

This course also contributes to the following ABET-identified outcomes of the civil engineering curriculum:

- Ability to apply knowledge of basic mathematics, science and engineering to solving civil engineering problems
- Ability to formulate and solve civil engineering problems
- Ability to communicate effectively in oral and written forms

Prerequisites: MATH 251 and CVEN221; CVEN 302 or registration therein.

Course Website: The course will be available in eCampus. I may also use the old CVEN 311 course web page as a backup in case there are snags with eCampus: https://ceprofs.civil.tamu.edu/jkaihatu/teaching/cven311/index.html

Instructor Office Hours: MW 10:00AM-11:30AM or by appointment. Please refer to the weekly schedule posted on the web site.

TA Office Hours: W 2:00PM-3:30PM; Th 11:00AM-12:30PM

Reading Assignments: You are responsible for reading the relevant material in the text as stated in the course outline below.
**Grading Policy:** Your grade for this course will be based on homework, quizzes, and four major exams.

**Homework:** Students may work together on homework assignments, and are encouraged to help one another. Blind copying of assignments is not permitted and will receive zero credit. One problem (predetermined by the instructor) will be graded based on accuracy and the rest graded on effort (see grading rubric below). Homework will be assigned on Fridays, and will be due on the following Friday at the beginning of class. *No late homework will be accepted.* For a valid university excuse, exceptions are granted only if you notify your instructors in advance (except in the case of a valid emergency or event that cannot be planned beforehand). Please do not ask for other exceptions. Your lowest homework grade for the semester will be dropped when calculating your final grade. Your first excused absence will count as a dropped grade. Make-up opportunities for subsequent absences will be provided according to TAMU student rules.

**Quizzes:** An in-class closed-book quiz will be assigned *every other week on Friday*; see schedule for exact weeks of quiz. This quiz will consist of several conceptual questions and a single problem very similar to the homework turned in that day. This will be closed book and closed notes; no formula sheets will be allowed. You will need a calculator to solve the problem; see rules regarding calculators in the next section.

**Exams:** Three 50-minute in-class exams and a two-hour final examination are scheduled (see the course calendar given below). The instructor will grade these exams. Unexcused absences will result in a grade of zero for missed examinations. All exams are closed book. You are allowed to bring in one 8 ½” X 11” sheet of paper with your own notes and formulas; both sides may be used. You may *not* include examples, problems or solutions on this sheet. This sheet will be turned in (and returned) with your exam. You should also bring a calculator (be sure it works), sufficient paper and writing implements to the exams; do not count on these items being provided. Your calculator must be a standalone device, with no ability to transmit or receive information. All communication devices (iPhones, iPads, Microsoft Surfaces, Samsung Galaxys, BlackBerrys, cell phones, etc.) must be turned off and out of sight and reach for the duration of the exam; the exam will not be distributed until then.

**Regrading:** A request for regrading an exam, quiz or homework assignment must be made *within one week* after the exam, quiz or homework is returned. For exam grade reconsiderations, a *written explanation* must be presented for each problem to be re-examined. This must be limited to: a thorough explanation of your solution, its connection to the posted exam solution, and the reasons for the awarding of additional points.

**Grading Rubric:**

<table>
<thead>
<tr>
<th>Homework and Class Participation:</th>
<th>5%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Quizzes</td>
<td>10%</td>
</tr>
<tr>
<td>Exam 1</td>
<td>20%</td>
</tr>
<tr>
<td>Exam 2</td>
<td>20%</td>
</tr>
<tr>
<td>Exam 3</td>
<td>20%</td>
</tr>
<tr>
<td>Final Exam</td>
<td>25%</td>
</tr>
</tbody>
</table>

Two grading rubrics will be used:

**Grading Rubric used for Effort-Based Homework Problems**

<table>
<thead>
<tr>
<th>Percent of total points awarded</th>
<th>Characteristics of answer</th>
</tr>
</thead>
<tbody>
<tr>
<td>100%</td>
<td>An honest attempt is made to solve the problem. The attempt must include clear detailed steps, a suitable diagram (free body diagram, etc.) if relevant, and equations and assumptions stated.</td>
</tr>
<tr>
<td>0%</td>
<td>Blind copying of solution, or if the characteristics of the answer deviates from above.</td>
</tr>
</tbody>
</table>
### Grading Rubric used for Quizzes, Exams, and Accuracy-Based Homework Problems

<table>
<thead>
<tr>
<th>Percent of Total Points Awarded</th>
<th>Characteristics of Answer</th>
</tr>
</thead>
<tbody>
<tr>
<td>100%</td>
<td>Answer is correct. Details of solution clearly shown, including any relevant diagrams, and equations and assumptions clearly stated</td>
</tr>
<tr>
<td>95%</td>
<td>As above, but with minor calculation errors leading to an incorrect answer</td>
</tr>
<tr>
<td>90%</td>
<td>Answer is correct but some details of the solution are missing.</td>
</tr>
<tr>
<td>60%-85%</td>
<td>Answer is correct but major details of the solution are missing. Alternatively, an honest attempt is made to solve the problem, but the answer is incorrect. Some major conceptual or calculation errors may be present in the solution. The work is sufficiently organized to follow.</td>
</tr>
<tr>
<td>30%-60%</td>
<td>An honest attempt is made to solve the problem, but the answer is incorrect. Solution contains severe calculation or conceptual errors, is too disorganized to follow, and/or shows that the problem goal is misunderstood.</td>
</tr>
<tr>
<td>20%</td>
<td>Initial steps (free body diagram or other relevant figure, assumptions, equations) and/or problem statement are present, but no other work attempted.</td>
</tr>
<tr>
<td>0%</td>
<td>Nothing shown or problem not attempted.</td>
</tr>
</tbody>
</table>

### Absences:

The University views class attendance as an individual student responsibility. Students are expected to attend class and to complete all assignments. Instructors are expected to give adequate notice of the dates on which major tests will be given and assignments will be due. For more details, please read Part I, Rule 7 of the Texas A&M University Student Rules at [http://student-rules.tamu.edu/rule07](http://student-rules.tamu.edu/rule07). Please contact the instructor as soon as you know you will miss a class or an exam so that a reasonable alternative can be accommodated. Unexcused absences will result in a grade of zero for the missed work. The instructor is under no obligation to provide an opportunity for the student to make up work missed because of an unexcused absence.

### Academic Dishonesty:

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Course Schedule: The course schedule follows on the next page. It is tentative, depending on travel and other occurrences; please check the website or eCampus.

ABET Input: Students may be asked to allow copies of their assignments and exams to be submitted to the Accreditation Board for Engineering and Technology (ABET) review panel. The purpose of this is to demonstrate to ABET that our stated mission and objectives are being effectively implemented. Your grade will not be affected by participation.

Course Outline (subject to change; see web site for up-to-date information):

<table>
<thead>
<tr>
<th>Week</th>
<th>Dates</th>
<th>Activity</th>
<th>Topic</th>
<th>Reading</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>8/27-8/31</td>
<td></td>
<td>Introduction to fluids; dimensions and units; ideal gas law; fluid properties</td>
<td>Ch 1.1-1.9</td>
</tr>
<tr>
<td>2</td>
<td>9/3-9/7</td>
<td>HW1; Quiz 1</td>
<td>Fluid statics; pressure measurements</td>
<td>Ch 2.1-2.7</td>
</tr>
<tr>
<td>3</td>
<td>9/10-9/14</td>
<td>HW2</td>
<td>Hydrostatic forces on plane and curved surfaces</td>
<td>Ch 2.8-2.10</td>
</tr>
<tr>
<td>4</td>
<td>9/17-9/21</td>
<td>HW3; Quiz 2</td>
<td>Principles of buoyancy; F=ma along a streamline; the Bernoulli equation</td>
<td>Ch 2.11, 3.1-3.2</td>
</tr>
<tr>
<td>5</td>
<td>9/24-9/28</td>
<td>HW4</td>
<td>F=ma normal to a streamline; static and dynamic pressure; applying the Bernoulli equation to solve fluid mechanics problems</td>
<td>Ch 3.3-3.6</td>
</tr>
<tr>
<td>6</td>
<td>10/1-10/5</td>
<td>Exam 1</td>
<td>Energy and hydraulic grade lines; fluid kinematics (the velocity field); streamlines, streaklines and pathlines. <strong>Exam 1 Oct 5, 1:50pm-2:40pm.</strong></td>
<td>Ch 3.7, 4.1</td>
</tr>
<tr>
<td>7</td>
<td>10/8-10/12</td>
<td>HW5; Quiz 3</td>
<td>Acceleration fields; system representation</td>
<td>Ch 4.2-4.3</td>
</tr>
<tr>
<td>8</td>
<td>10/15-10/19</td>
<td>HW6</td>
<td>Control volume; Reynolds Transport Theorem; conservation of mass</td>
<td>Ch 4.3-4.4, 5.1</td>
</tr>
<tr>
<td>9</td>
<td>10/22-10/26</td>
<td>HW7; Quiz 4</td>
<td>Newton’s Second Law; conservation of momentum; First Law of Thermodynamics; energy equation</td>
<td>Ch 5.2-5.3</td>
</tr>
<tr>
<td>10</td>
<td>10/29-11/2</td>
<td>HW8</td>
<td>Application of mass, momentum, and energy conservation concepts to solve problems; dimensional analysis</td>
<td>Ch 5.3, 7.1</td>
</tr>
<tr>
<td>11</td>
<td>11/5-11/9</td>
<td>Exam 2</td>
<td>Buckingham Pi Theorem; modeling and similitude. <strong>Exam 2 Nov 9, 1:50pm-2:40pm.</strong></td>
<td>Ch 7.1-7.2, 7.8</td>
</tr>
<tr>
<td>12</td>
<td>11/12-11/16</td>
<td>HW9; Quiz 5</td>
<td>Typical model studies; laminar pipe flow; basics of turbulent pipe flow</td>
<td>Ch 7.9, 8.1-8.3</td>
</tr>
<tr>
<td>13</td>
<td>11/19-11/23</td>
<td>HW10</td>
<td>Major and minor losses; Moody diagram; solution of turbulent pipe flow problems</td>
<td>Ch 8.4-8.5</td>
</tr>
<tr>
<td>14</td>
<td>11/26-11/30</td>
<td>Exam 3</td>
<td>Pipe flow systems; external flow characteristics. <strong>Exam 3 Nov 30, 1:50pm-2:40pm</strong></td>
<td>Ch 8.5, 9.1</td>
</tr>
<tr>
<td>15</td>
<td>12/3-12/7</td>
<td></td>
<td>Boundary layers; drag and lift. <strong>12/5: Last day of class. 12/6: Reading day.</strong></td>
<td>Ch 9.2-9.4</td>
</tr>
</tbody>
</table>

Final Exam: Tuesday Dec 11, 3:30PM-5:30PM, ZACH 315.
MEMORANDUM

TO: Mr. Michael K. Young
President

THROUGH: Dr. Carol A. Fierke
Provost and Executive Vice President

FROM: Dr. Michael Benedik
Vice Provost

SUBJECT: December 11, 2017 Faculty Senate Items

All of the attached December 2017 Faculty Senate items have been reviewed and approved by college, university curriculum, Faculty Senate and Office of the Provost.

New Course Request, Course Change Request, Course Withdrawal Request, Course Inactivation and Change in Curriculum Request, Informational Review Items

Approval recommended. FS.35.101; FS.35.102; FS.35.103; FS.35.104; FS.35.111; FS.35.112; FS.35.113; FS.35.114; FS.35.115; FS.35.116; FS.35.117; FS.35.118; FS.35.119; FS.35.120; FS.35.121; FS.35.122; FS.35.123; FS.35.124; FS.35.125; FS.35.126; FS.25.127; FS.35.128; FS.35.129; FS.35.130; FS.35.131; FS.35.132; FS.35.133; FS.35.134; FS.35.135; FS.36.136; FS.35.137; FS.35.138; FS.35.139; FS.35.140; FS.35.141; FS.35.142; FS.35.143; FS.35.144; FS.35.145; FS.35.146; FS.147; FS.35.149; FS.35.149; FS.35.150; FS.35.151; FS.35.152.

FS.35.105: Recommend approval. School of Public Health, Department of Health Policy and Management, MHA-HADM: Master of Health Administration in Health Administration. Request to change SCHs from 57 SCH to 55 SCH. The change will strengthen the resident track curriculum and ensure consistency between the Resident track and Executive track for Commission on Accreditation of Healthcare Management Education accreditation. 
External Action: Request to Change Semester Credit Hours form will be submitted to the System for approval by the THECB.

FS.35.106: Recommend approval. College of Agriculture and Life Sciences, Department of Nutrition and Food Science, MS-FSTC: Master of Science in Food Science and Technology. The non-thesis MS Food Science & Technology option is being discontinued in favor of the MAQR Food Science & Technology. The MS Food Science & Technology with thesis will remain. No external action.

FS.35.108: Recommend approval. School of Public Health, Department of Health Promotion and Community Health Sciences, CERT-CG58: Global Health-Certificate. Certificate requires 15 SCH, which does not surpass Texas Administrative Code, Chapter 5, Subchapter C, Section 5.48 allowed SCH. No external action.


FS.35.110: Recommend approval. Graduate Courses Taught in Non-traditional Formats-Spring 2018-2nd Request. Graduate Courses Taught in Non-traditional Formats-Spring 2018. All colleges within Texas A&M performed a comparison of the learning outcomes for distance education and non-traditional courses for equivalency to traditional face-to-face courses to determine if the courses met compliance to University Rule 11.03.99.M1. No external action required.

Attachments
**Course Change Request**

**Viewing:** ECEN 215: Principles of Electrical Engineering

Last approved: 09/20/18 3:20 am

Changes proposed by: karsilay

<table>
<thead>
<tr>
<th>Contact(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Name</strong></td>
</tr>
<tr>
<td>Sandra Williams</td>
</tr>
<tr>
<td>Aydin Karsilayan</td>
</tr>
</tbody>
</table>

Rationale for Course Edit

The proposed changes are part of a routine curriculum review.

**Course prefix** ECEN  
**Course number** 215

**Department** Electrical & Computer Eng

**College/School** College of Engineering

**Academic Level** Undergraduate

**Undergraduate course level justification (Select One)**

Prerequisites

All prerequisites will be enforced through COMPASS.

**Academic Level** (alternate) Graduate

**Effective term** 2019-2020 2018-2019

**Complete Course Title** Principles of Electrical Engineering

**Abbreviated Course Title** PRIN OF ELECTRICAL ENGR

Catalog course description

Fundamentals of electric circuit analysis and introduction to electronics for engineering majors other than electrical and computer engineering.

**Prerequisites and Restrictions**

Grade of C or better in MATH 251 and PHYS 207 or MATH 253; Grade of C or better in PHYS 207 or PHYS 208.

**Concurrent Enrollment** No

**In Workflow**

1. ECEN Department Head
2. Curricular Services Review
3. EN Committee Preparer UG
4. EN Committee Chair UG
5. EN College Dean UG
6. UCC Preparer
7. UCC Chair
8. Faculty Senate Preparer
9. Provost UG
10. President
11. Curricular Services
12. Banner

**Approval Path**

1. 09/21/18 2:09 pm  
   Miroslav Begovic (begovic): Approved for ECEN Department Head

2. 09/21/18 4:05 pm  
   Terra Bissett (t.bissett): Approved for Curricular Services Review

3. 10/18/18 5:23 pm  
   Eileen Hoy (ehoy): Approved for EN Committee Preparer UG

4. 10/18/18 5:54 pm  
   Prasad Enje (enje): Approved for EN Committee Chair UG

5. 10/18/18 5:56 pm  
   Prasad Enje (enje): Approved for EN College Dean UG

6. 10/19/18 2:16 pm  
   Sandra Williams (sandra-williams): Approved for UCC Preparer

7. 11/05/18 2:39 pm  
   Sandra Williams (sandra-williams): Approved for UCC Chair

**History**

1. Jun 18, 2017 by Sandra Williams (sandra-williams)
Should catalog prerequisites / concurrent enrollment be enforced? Yes

### Enforced Prerequisites / Concurrent Enrollment

<table>
<thead>
<tr>
<th>And/Or</th>
<th>Course Prefix/Number</th>
<th>Min Grade/Score</th>
<th>Academic Level</th>
<th>Concurrency?</th>
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Crosslistings No  Crosslisted With
Stacked No  Stacked with

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<th>Contact Hour(s) (per week):</th>
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<th>Lab: 2</th>
<th>Other: 0</th>
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</table>

Repeatable for credit? No

Three-peat? No

CIP/Fund Code 1401010006

Default Grade Mode Letter Grade (G)

Alternate Grade Modes Satisfactory/Unsatisfactory

Method of instruction Lecture and Laboratory

Will sections of this course be taught as non-traditional? (i.e., parts of term, distance education) Yes

### Learning Outcomes

Meet traditional face-to-face learning outcomes.

Describe how learning outcomes are met or provide justification why they are not met.

- Learning outcomes are met in the same manner as the traditional, on-campus sections; the study abroad sections are still face-to-face with a Texas A&M University instructor.

### Hours

Meet traditional face-to-face hours.

Describe how hours are met or provide justification why they are not met.

- Study Abroad sections are schedule to meet the same lecture and recitation requirements as a traditional, face-to-face section.

Will this course be taught as a distance education course? Yes

I verify that I have reviewed the FAQ for Export Control Basics for Distance Education. Yes

Is 100% of this course going to be taught in Texas? No
Will classroom space be needed for this course? Yes

This will be a required course or an elective course for the following programs:

Required (select program)

Elective (select program)

Has/will this course be(en) submitted for core curriculum consideration? No

Has/will this course be(en) submitted for Writing or Communication consideration? No

Has/will this course be(en) submitted for ICD or CD consideration? No

---

**Course Syllabus**

Syllabus: Upload syllabus

Upload syllabus: [ECEN 215 Syllabus.pdf](https://nextcatalog.tamu.edu/courseleaf/approve/?role=Faculty%20Senate)

Letters of support or other documentation No Yes

Additional information

Reviewer Comments

Terra Bissett (t.bissett) (09/21/18 4:04 pm): Syllabus not required for this type of change.

Terra Bissett (t.bissett) (09/21/18 4:05 pm): Please note: course previously approved for non-traditional format.

Sandra Williams (sandra-williams) (11/05/18 2:39 pm): UCC approved November 2018.

Reported to state? No
MEMORANDUM

TO:  
Mr. Michael K. Young
President

THROUGH:  
Dr. Carol A. Fierke
Provost and Executive Vice President

FROM:  
Dr. Michael Benedik
Vice Provost

SUBJECT:  
August 13, 2018 Faculty Senate Items

All of the attached August 2018 Faculty Senate items have been reviewed and approved by college, university curriculum, Faculty Senate and Office of the Provost.

New Course Requests, Course Change Requests, Course Withdrawal Requests, and Change in Curriculum Requests

Approval recommended. FS.36.046; FS.36.047; FS.36.048; FS.36.064; FS.36.065; FS.36.066; FS.36.067; FS.36.068; FS.36.070; FS.36.071; FS.36.072; FS.36.073; FS.36.074; FS.36.075; FS.36.076; FS.36.078; FS.36.083.

FS.36.049: Approval recommended. College of Education and Human Development, Department of Educational Psychology, [CERT-CG27] Hispanic Bilingual Education – Certificate. Request for program inactivation because no one has ever enrolled in the program. A Teach-out Plan is not necessary. External action: Dr. Michael T. Stephenson will send a notification letter to SACSCOC.

FS.36.050: Approval recommended. College of Agriculture and Life Sciences, Department of Ecosystem Science and Management, [CERT-CG56] Geographic Information Science – Certificate. Change increases the number of elective courses a student can choose to take. Total required SCHs do not change. No external action required.

FS.36.051: Approval recommended. Mays Business School, Department of Business, [CERT-CG59] Business Data Analytics – Certificate. Change increases the number of elective courses a student can choose to take. Total required SCHs do not change. No external action required.

FS.36.052: Approval recommended. Mays Business School, Department of Business, [CERT-CG60] Finance – Certificate. Change increases the number of elective courses a student can choose to take. Total required SCHs do not change. No external action required.

FS.36.053: Approval recommended. Mays Business School, Department of Business, [CERT-CG62] Supply Chain and Operations – Certificate. Change increases the number of elective courses a student can choose to take. Total required SCHs do not change. No external action required.
FS.36.054: Approval recommended. Mays Business School, Department of Information and Operations Management, [CERT-CG68] Business Intelligence and Analytics – Certificate. SCHMT 650 has been added as an optional new course for students to take. Total required SCHs do not change. No external action required.

FS.36.055: Approval recommended. College of Education and Human Development, Department of Educational Psychology, [MED-BIED] Master of Education in Bilingual Education. Update to final exam and residency requirement. No final exam is required; distance education does not have residency requirements. Program delivery mode is 100% DE/Internet. No external action required.

FS.36.056: Approval recommended. College of Education and Human Development, Department of Educational Psychology, [MED-SPED] Master of Education in Special Education. Update to final exam requirement–no final exam is required. Program delivery mode is 100% DE/Internet. No external action required.

FS.36.057: Approval recommended. College of Engineering, Department of Computer Science and Engineering, [MS-CECN] Master of Science in Computer Engineering. SCH change from 32 to 30. To remain competitive with peer institutions and to recruit outstanding graduate students interested in on campus and online master’s degrees, the College of Engineering would like to reduce the minimum for their MS programs to 30 SCH. All departments in the College of Engineering including Biological and Agricultural Engineering support the reduction.

External action: A THECB Request to Change Semester Credit Hours Form will be submitted to the System for THECB approval.

FS.36.058: Approval recommended. College of Engineering, Department of Chemical Engineering, [MS-CHEN] Master of Science in Chemical Engineering. SCH change from 32 to 30. To remain competitive with peer institutions and to recruit outstanding graduate students interested in on campus and online master’s degrees, the College of Engineering would like to reduce the minimum for their MS programs to 30 SCH. All departments in the College of Engineering including Biological and Agricultural Engineering support the reduction.

External action: A THECB Request to Change Semester Credit Hours Form will be submitted to the System for THECB approval.

FS.36.059: Approval recommended. College of Engineering, Department of Computer Science and Engineering, [MS-CPSC] Master of Science in Computer Science. To remain competitive with peer institutions and to recruit outstanding graduate students interested in on campus and online master’s degrees, the College of Engineering would like to reduce the minimum for their MS programs to 30 SCH. All departments in the College of Engineering including Biological and Agricultural Engineering support the reduction.

External action: A THECB Request to Change Semester Credit Hours Form will be submitted to the System for THECB approval.

FS.36.060: Approval recommended. College of Engineering, Department of Industrial and Systems Engineering, [MS-ENSM] Master of Science in Engineering Systems Management. To remain competitive with peer institutions and to recruit outstanding graduate students interested in on campus and online master’s degrees, the College of Engineering would like to reduce the minimum for their MS programs to 30 SCH. All departments in the College of Engineering including Biological and Agricultural Engineering support the reduction.

External action: A THECB Request to Change Semester Credit Hours Form will be submitted to the System for THECB approval.
FS.36.061: Approval recommended. Mays Business School, Department of Management, [MS-HRMT] Master of Science in Human Resource Management. Discontinue the MS in Human Resource Management degree program in SAUDI ARABIA only. Teach out Plan is included in the item. 
**External action:** SACSCOC approval required. Dr. Michael T. Stephenson will send all required information to SACSCOC after Senate item approval.

FS.36.062: Approval recommended. College of Engineering, Department of Industrial and Systems Engineering, [MS-INEN] Master of Science in Industrial Engineering. SCH change from 32 to 30. To remain competitive with peer institutions and to recruit outstanding graduate students interested in on campus and online master’s degrees, the College of Engineering would like to reduce the minimum for their MS programs to 30 SCH. All departments in the College of Engineering including Biological and Agricultural Engineering support the reduction. 
**External action:** A THECB Request to Change Semester Credit Hours Form will be submitted to the System for THECB approval.

FS.36.063: Approval recommended. College of Engineering, Department of Nuclear Engineering, [MS-NUEN] Master of Science in Nuclear Engineering. SCH change from 32 to 30. To remain competitive with peer institutions and to recruit outstanding graduate students interested in on campus and online master’s degrees, the College of Engineering would like to reduce the minimum for their MS programs to 30 SCH. All departments in the College of Engineering including Biological and Agricultural Engineering support the reduction. 
**External action:** A THECB Request to Change Semester Credit Hours Form will be submitted to the System for THECB approval.

**External action:** SACSCOC approval required. Dr. Michael T. Stephenson will send all required information to SACSCOC after Senate item approval.

FS.36.076: Approval recommended. College of Liberal Arts, Department of English, [MINOR-ENGL] English – Minor [Undergraduate]. Change adds 400 level courses that introduce students to more advanced methodologies of textual analysis, research and critical thinking. Does not change required SCHs [18]. No external action required.

FS.36.077: Approval recommended. Request for a new undergraduate certificate. The certificate SCHs [12] do not surpass SCIIs allowed by the Texas Administrative Code, Chapter 5, Subchapter C, Rule Section 5.48, for undergraduate certificates: 20 SCH or less. No external action required.


FS.36.081: Approval recommended. The rule revisions are to clarify the distinction between requirements for Latin Honors and the University Honors Program.

Proposed Revisions to Student Rules:
- Rule 15  Graduation with (Latin) Honors
- Rule 16  University Honors Program

FS.36.082: This item has been pulled pending further review/comment from Kevin McGinnis, Amy Smith and Jennifer Smith.

Proposed Revisions to Student Rules:
- Rule 24  Student Conduct Code
- Rule 26  Student Conduct Proceedings
- Rule 27  Sanctions (Sections 27.1.2, 27.1.3 and 27.1.5)
- Rule 27  Sanctions (Section 27.4.2)
- Rule 47  Investigation and Resolution of Complaints Against Texas A&M Students for Sexual Harassment, Sexual Assault, Dating Violence, Domestic Violence, Stalking and Related Retaliation (SSDDSR)

FS.36.084: Approval recommended. College of Nursing, [BSN-NURS] Traditional Bachelor of Science in Nursing. Request to offer the Bachelor of Science in Nursing off-campus face-to-face at the Texas A&M Health Science Center, 2101 South McCall Road, McAllen, Texas 78503 location.

External action: 1) 50-mile notification to other institutions will be sent; 2) THECB Certification for Electronically Delivered and Off-Campus Education Programs April 2014 Form and Distance Education Off-Campus [Face-to-Face] Request Approval Form will be submitted to the System for THECB approval.

Attachments
Course Change Request

Date Submitted: 09/21/18 2:07 pm

Viewing: ECEN 333: At the Interface of Engineering and Life Sciences

Last approved: 04/19/17 3:25 am
Last edit: 09/21/18 4:09 pm
Changes proposed by: karsilay

Catalog Pages referencing this course

Department of Electrical & Computer Engineering
ECEN - Electrical & Comp Engr (ECEN)

Faculty Senate Number: FS.34.160

Contact(s)

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<tr>
<th>Name</th>
<th>E-mail</th>
<th>Phone</th>
</tr>
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<tr>
<td>Aydin Karsilayan</td>
<td><a href="mailto:karsilay@tamu.edu">karsilay@tamu.edu</a></td>
<td>979-458-3555</td>
</tr>
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Rationale for Course Edit

The proposed changes are part of a routine curriculum review.

Course prefix: ECEN
Course number: 333
Department: Electrical & Computer Eng
College/School: College of Engineering
Academic Level: Undergraduate

Effective term: 2019-2020, 2017-2018

Complete Course Title:
At the Interface of Engineering and Life Sciences

Abbreviated Course Title:
INTERFACE ENG & LIFE SCIENCE

Catalog course description:
Broad overview of electrical and computer engineering principles applied to various areas of life sciences; medical imaging and biomedical signal processing; micro/nano devices and systems; computational biology and genomic signal processing; recent trends in interfacing engineering and life science that address emerging grand challenge problems in health, bio-energy and bio-security; taught in a team approach.

Prerequisites and Restrictions:
Grade of C or better in ECEN 214; junior, senior classification; approval of instructor.
Concurrent Enrollment  No  
Should catalog prerequisites / concurrent enrollment be enforced?  Yes  

Enforced Prerequisites / Concurrent Enrollment

<table>
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<tr>
<th>And/Or</th>
<th>Course Prefix/Number</th>
<th>Min Grade/Score</th>
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Crosslistings  No  
Crosslisted With  
Stacked  No  
Stacked with  

Semester 3  
Credit Hour(s) 
Contact Hour(s) (per week): Lecture: 3  
Lab: 0  
Other: 0  
Total 3  
Repeatable for credit?  No  
Three-peat?  No  
CIP/Fund Code 1410010006  
Default Grade Mode Letter Grade (G)  
Alternate Grade Modes Satisfactory/Unsatisfactory  
Method of instruction Lecture  
Will sections of this course be taught as non-traditional? (i.e., parts of term, distance education)  
Will this course be taught as a distance education course?  No  
Is 100% of this course going to be taught in Texas?  Yes  
Will classroom space be needed for this course?  Yes  
This will be a required course or an elective course for the following programs: 

Required (select program)  
Elective (select program)  

<table>
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<th>Program(s)</th>
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<td>(BS-CEEN) Computer Engineering - BS, Electrical Engineering Track</td>
</tr>
<tr>
<td>(BS-ELEN) Electrical Engineering - BS</td>
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Has/will this course be(en) submitted for core curriculum consideration?  No  
Has/will this course be(en) submitted for Writing or
### Course Syllabus

<table>
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<td>ecen333-syllabus-ucc.pdf</td>
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| Letters of support or other documentation | No | Yes |

| Additional information |  |

| Reviewer Comments | Terra Bissett (t.bissett) (09/21/18 4:09 pm): Syllabus not required for this type of change. Sandra Williams (sandra-williams) (11/05/18 2:40 pm): UCC approved November 2018. |

| Reported to state? | No |  |
MEMORANDUM

TO: Mr. Michael K. Young  
President

FROM: Dr. Karan L. Watson  
Provost and Executive Vice President

SUBJECT: December 12, 2016 Faculty Senate Items

All of the attached December 2016 Faculty Senate items have been reviewed and approved by college, university curriculum, Faculty Senate and Office of the Provost.

New Course Requests, Course Change Requests, Course Withdrawal Requests, Change in Curriculum Requests, W-Courses

Approval recommended. FS.34.141; FS.34.142; FS.34.143; FS.34.145; FS.34.146; FS.34.147; FS.34.148; FS.34.160; FS.34.161; FS.34.162; FS.34.163; FS.24.164; FS.34.165; FS.34.166; FS.34.167; FS.34.168; FS.34.169; FS.34.170; FS.34.171; FS.34.172; FS.34.173; FS.34.174; FS.34.175; FS.34.176; FS.34.181; FS.34.182; FS.34.183; FS.34.184; FS.34.185; FS.34.186; FS.34.187; FS.34.188; FS.34.189; FS.34.190; FS.34.191; FS.34.192; FS.34.193; FS.34.194; FS.34.195; FS.34.196; FS.34.197; FS.34.198; FS.34.199; FS.34.200; FS.34.201; FS.34.202; FS.34.203; FS.34.204; FS.34.205; FS.34.206; FS.34.207; FS.34.208; FS.34.209; FS.34.210; FS.34.211; FS.34.212; FS.34.213; FS.34.214; FS.34.215; FS.34.216; FS.34.217; FS.34.218; FS.34.219; FS.34.220; FS.34.221; FS.34.238; FS.34.240; FS.34.242; FS.34.243.

FS.34.144: Approval recommended. Course Inactivation's—The focus for the graduate program that required these courses has changed to research.

FS.34.149: Approval recommended. New graduate certificate request. School of Public Health, Certificate for Health Coaching for Chronic Disease Prevention and Management requires 12 SCH, on-campus and 100% distance delivery. Per Texas Administrative Code [TAC] Title 19, Chapter 5, Subchapter C, Rule §5.48 the certificate does not surpass the maximum allowed SCH. Effective fall 2017. No action required.

FS.34.150: Approval recommended. New graduate certificate request. Mays Business School, Certificate in Data Analysis requires 12 SCH, on-campus delivery. Per Texas Administrative Code [TAC] Title 19, Chapter 5, Subchapter C, Rule §5.48 the certificate does not surpass the maximum allowed SCH. Effective fall 2017. No action required.

FS.34.151: Approval recommended. New graduate certificate request. Mays Business School, Certificate in Finance requires 12 SCH, on-campus delivery. Per TAC Title 19, Chapter 5, Subchapter C, Rule §5.48 the certificate does not surpass the maximum allowed SCH. Effective fall 2017. No action required.
FS.34.152: Approval recommended. New graduate certificate request. Mays Business School, Certificate in Marketing requires 12 SCH, on-campus delivery. Per TAC Title 19, Chapter 5, Subchapter C, Rule §5.48 the certificate does not surpass the maximum allowed SCH. Effective fall 2017. No action required.

FS.34.153: Approval recommended. New graduate certificate request. Mays Business School, Certificate in Supply Chain and Operations requires 12 SCH, on-campus delivery. Per TAC Title 19, Chapter 5, Subchapter C, Rule §5.48 the certificate does not surpass the maximum allowed SCH. Effective fall 2017. No action required.

FS.34.154: Approval recommended. New graduate certificate request. College of Agriculture and Life Sciences, Certificate in Extension Education requires 14 SCH, on-campus and 80% DE/Internet delivery. Per TAC Title 19, Chapter 5, Subchapter C, Rule §5.48 the certificate does not surpass the maximum allowed SCH. Effective fall 2017. No action required.

FS.34.155: Approval recommended. New graduate certificate request. College of Agriculture and Life Sciences, Certificate in Advanced Pedagogy in Agriculture requires 14 SCH, on-campus and 100% DE/Internet delivery. Per TAC Title 19, Chapter 5, Subchapter C, Rule §5.48 the certificate does not surpass the maximum SCH that require THECB approval. Effective fall 2017.

FS.34.156: Approval recommended. New graduate certificate request. College of Engineering, Certificate in Nuclear Security requires 12 SCH, on-campus and 80% DE/Internet delivery. Per TAC Title 19, Chapter 5, Subchapter C, Rule §5.48 the certificate does not surpass the maximum allowed SCH. Effective fall 2017. No action required.

FS.34.157: Approval recommended. New graduate certificate request. College of Liberal Arts, Certificate in International Communication and Public Diplomacy requires 12 SCH, on-campus delivery. Per TAC Title 19, Chapter 5, Subchapter C, Rule §5.48 the certificate does not surpass the maximum allowed SCH. Effective fall 2017. No action required.

FS.34.158: Approval recommended. New graduate certificate request. Mays Business School, Certificate in Business Intelligence and Analytics requires 12 SCH, on-campus delivery. Per TAC Title 19, Chapter 5, Subchapter C, Rule §5.48 the certificate does not surpass the maximum allowed SCH. Effective fall 2017. No action required.

FS.34.159: Approval recommended. New graduate certificate request. Bush School of Government & Public Service, Certificate in Public Management requires 12 SCH, on-campus and 100% DE/Internet delivery. Per TAC Title 19, Chapter 5, Subchapter C, Rule §5.48 the certificate does not surpass the maximum allowed SCH. Effective fall 2017. No action required.

FS.34.177: Approval recommended. Request to add a concentration. College of Agriculture & Life Sciences, BS in Agricultural Economics-Food Marketing Systems Concentration. Request does not change total SCH [120]. No action required.

FS.34.178: Approval recommended. Request to add an option. College of Agriculture & Life Sciences, BS in Agricultural Economics-Finance & Real Estate Option. Request does not change total SCH [120]. No action required.
FS.34.179: Approval recommended. Request to add an option. College of Agriculture & Life Sciences, BS in Policy and Economic Analysis Option. Request does not change total SCH [120]. No action required.

FS.34.180: Approval recommended. Request to add an option. College of Agriculture & Life Sciences, BS in Rural Entrepreneurship Option. Request does not change total SCH [120]. No action required.

FS.34.223: Approval recommended. Request to add a new concentration. College of Liberal Arts, BS in University Studies–Health Humanities Concentration. Request does not change total SCH [120]. No action required.

FS.34.224: Approval recommended. New undergraduate certificate. College of Liberal Arts, Certificate in Healthy Development requires 15 SCH. Per TAC Title 19, Chapter 5, Subchapter C, Rule §5.48 the certificate does not surpass the maximum allowed SCH. No action required.

FS.34.225: Approval recommended. New undergraduate certificate. College of Engineering, Certificate in Zachry Leadership requires 15 SCH. Per TAC Title 19, Chapter 5, Subchapter C, Rule §5.48 the certificate does not surpass the maximum allowed SCH. No action required.

FS.34.226: Approval recommended. New undergraduate certificate. College of Liberal Arts, Certificate in Work and Organizations requires 15 SCH. Per TAC Title 19, Chapter 5, Subchapter C, Rule §5.48 the certificate does not surpass the maximum allowed SCH. No action required.

FS.34.227: Approval recommended. New undergraduate certificate. College of Liberal Arts, Certificate in Applied Behavioral Health requires 15 SCH. Per TAC Title 19, Chapter 5, Subchapter C, Rule §5.48 the certificate does not surpass the maximum allowed SCH. No action required.

FS.34.228: Approval recommended. New undergraduate certificate. College of Engineering, Certificate in Petroleum Ventures requires 25 SCH. Per TAC Title 19, Chapter 5, Subchapter C, Rule §5.48 the certificate surpasses the maximum allowed SCH.

EXTERNAL ACTION: A 50-mile notification will be sent and the THECB New Program Request Form for Certificate Programs will be submitted to the System by the Office of the Provost after approval.

FS.34.229: Approval recommended. New undergraduate certificate. College of Liberal Arts, Certificate in Psychology of Diversity requires 15 SCH. Per TAC Title 19, Chapter 5, Subchapter C, Rule §5.48 the certificate does not surpass the maximum allowed SCH. No action required.

FS.34.230: Approval recommended. New undergraduate minor. College of Agriculture & Life Sciences, Minor in AgriFood Sales requires 16 SCH. Does not surpass maximum allowed. No action required.


FS.34.233: Approval recommended. College of Liberal Arts, proposal to inactivate Gender and Leadership Certificate. There are four students currently enrolled in the program with a projected graduation date of 5/2018.
EXTERNAL ACTION: Send notification to SACSCOC.

FS.34.234: Approval recommended. College of Liberal Arts, proposal to inactivate Global Perspectives in Liberal Arts Certificate. Program inactivation due to lack of interest. There are no students currently enrolled in the program.
EXTERNAL ACTION: Send notification to SACSCOC.

FS.34.235: Approval recommended. College of Liberal Arts, proposal to inactivate Global Sociology Certificate. Program inactivation due to lack of interest. There are two students currently enrolled in the program with a graduation date of 5/2018.
EXTERNAL ACTION: Send notification to SACSCOC.

FS.34.236: Approval recommended. College of Liberal Arts, proposal to inactivate Sociology of Gender Certificate. Program inactivation due to lack of interest. There are three students currently enrolled in the program with a graduation date of 5/2018.
EXTERNAL ACTION: Send notification to SACSCOC.

FS.34.237: Approval recommended. College of Liberal Arts, proposal to Inactivate Sociology of Race and Ethnicity Certificate. Program inactivation due to lack of interest. There are two students currently enrolled in the program with a graduation date of 5/2018.
EXTERNAL ACTION: Send notification to SACSCOC.

FS.34.239: Approval recommended. Six courses for Core Curriculum Language, Philosophy and Culture foundational component; two courses for Creative Arts foundational component; one course for Life and Physical Sciences foundational component; two International and Cultural Diversity designation; and seven courses submitted for recertification as Core Curriculum.

FS.34.241: Approval recommended. School of Law special consideration regarding Pass/Fail grading. Request establishes a new grading scheme for electives to better reflect the rigor demanded without lowering the standards for classes that students elect to take on a pass/fail basis. The grading scheme will be a grading option for all elective Law School courses and only applies to the Juris Doctor Program.

FS.34.244: Approval recommended. College of Veterinary Medicine & Biomedical Sciences, curriculum change for the Doctor of Veterinary Medicine in Veterinary Medicine. The request will balance out a discrepancy in SCH between the catalog, COMPASS, and the THECB Program Inventory.
EXTERNAL ACTION: A Request to Change the Semester Hours form will be submitted to the THECB.

FS.34.245: Approval recommended. Student Rule 14.1–Degree requirements.

FS.24.246: Review Only: Certification of December 2016 Graduates

Attachments
Course Change Request

Viewing: ECEN 399 : High Impact Professional Development

Last approved: 04/06/18 3:22 am
Last edit: 10/16/18 11:28 am

Changes proposed by: karsilay

Catalog Pages referencing this course
Department of Electrical & Computer Engineering
ECEN - Electrical & Comp Engr (ECEN)

Programs referencing this course
BS-ELEN: Electrical Engineering - BS
BS-CEEN: Computer Engineering - BS, Electrical Engineering Track
BS-ELEN-QT: Electrical Engineering - BS, Qatar Campus

Faculty Senate Number  
FS.34.96

Contact(s)

<table>
<thead>
<tr>
<th>Name</th>
<th>E-mail</th>
<th>Phone</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sandra Williams</td>
<td><a href="mailto:sandra-williams@tamu.edu">sandra-williams@tamu.edu</a></td>
<td>979-845-8201</td>
</tr>
<tr>
<td>Aydin Karsilayan</td>
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<td>979-458-3555</td>
</tr>
<tr>
<td>John Hurtado</td>
<td><a href="mailto:jehurtado@tamu.edu">jehurtado@tamu.edu</a></td>
<td>979-845-1659</td>
</tr>
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Rationale for Course

Edit

The proposed changes are part of a routine curriculum review.

Course prefix  
ECEN

Course number  
399

Department  
Electrical & Computer Eng

College/School  
College of Engineering

Academic Level  
Undergraduate

Undergraduate course level justification (Select One)

Prerequisites

All prerequisites will be enforced through COMPASS.

Prerequisites and Restrictions

Graduate of C or better in ECEN 484, 214 and ECEN 491, ENGR 484, ENGR 491, 248 with a grade of C or better; junior or ENGR 385; grade of C senior classification or better in ECEN 403, or concurrent enrollment; junior or senior classification. Approval

Department of Electrical & Computer Engineering

ECEN - Electrical & Comp Engr (ECEN)

Approved for UCC Chair

1. 04/19/17 by Sandra Williams (sandra-williams)
Concurrent Enrollment: No
Should catalog prerequisites / concurrent enrollment be enforced: Yes

### Enforced Prerequisites / Concurrent Enrollment

<table>
<thead>
<tr>
<th>And/Or</th>
<th>Course Prefix/Number</th>
<th>Min Grade/Score</th>
<th>Academic Level</th>
<th>Concurrency?</th>
</tr>
</thead>
<tbody>
<tr>
<td>Or</td>
<td>ECEN 484 214</td>
<td>C</td>
<td>UG</td>
<td>No</td>
</tr>
<tr>
<td>Or</td>
<td>ECEN 491 248</td>
<td>C</td>
<td>UG</td>
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<td>ENGR 491</td>
<td>C</td>
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<td>Or</td>
<td>ENGR 385</td>
<td>C</td>
<td>UG</td>
<td>No</td>
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<tr>
<td>And</td>
<td>ECEN 403</td>
<td>C</td>
<td>UG</td>
<td>Yes</td>
</tr>
</tbody>
</table>

### Crosslistings
- No

### Stacked
- No

### Semester Credit
- 0 Hours
- Lecture: 0
- Lab: 0
- Other: 0
- Total: 0

### Repeatable for credit
- No

### Three-peat
- No

### CIP/Fund Code
- 1401010006

### Default Grade Mode
- Satisfactory/Unsatisfactory (S)

### Alternate Grade Modes
- Letter Grade

### Method of instruction
- Independent Study

### Will sections of this course be taught as non-traditional? (i.e., parts of term, distance education)
- No

### Will this course be taught as a distance education course?
- No

### Is 100% of this course going to be taught in Texas?
- No

### Will classroom space be needed for this course?
- No

This will be a required course or an elective course for the following programs:

<table>
<thead>
<tr>
<th>Program(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>(BS-ELEN) Electrical Engineering - BS</td>
</tr>
<tr>
<td>(BS-CEEN) Computer Engineering - BS, Electrical Engineering Track</td>
</tr>
</tbody>
</table>
## Elective (select program)

Has/will this course be(en) submitted for core curriculum consideration?  
No

Has/will this course be(en) submitted for Writing or Communication consideration?  
No

Has/will this course be(en) submitted for ICD or CD consideration?  
No

### Course Syllabus

<table>
<thead>
<tr>
<th>Syllabus:</th>
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<tr>
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<td>ecen399-syllabus-3.docx</td>
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<table>
<thead>
<tr>
<th>Letters of support or other documentation</th>
<th>No Yes</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Additional information</th>
<th>ECEN 403 should have concurrent enrollment, but the &quot;concurrency&quot; option in the above form is not available to select. Please choose &quot;Yes&quot; for the concurrency option of ECEN 403. Copy of signed paper course form attached for signatures only.</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Reviewer Comments</th>
<th>Terra Bissett (t.bissett) (10/16/18 11:29 am): Syllabus not required for this type of change. Sandra Williams (sandra-williams) (11/05/18 2:40 pm): UCC approved November 2018.</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Reported to state?</th>
<th>No</th>
</tr>
</thead>
</table>
Course Change Request

Viewing: ECEN 411: Introduction to Magnetic Resonance Imaging and Magnetic Resonance Spectroscopy

Last approved: 03/13/18 3:27 am
Last edit: 09/21/18 4:12 pm
Changes proposed by: karsilay

Contact(s)

<table>
<thead>
<tr>
<th>Name</th>
<th>E-mail</th>
<th>Phone</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aydin Karsilayan</td>
<td><a href="mailto:karsilay@tamu.edu">karsilay@tamu.edu</a></td>
<td>979-458-3555</td>
</tr>
</tbody>
</table>

Rationale for Course Edit

The proposed changes are part of a routine curriculum review.

Course prefix   ECEN
Department       Electrical & Computer Eng
College/School  College of Engineering
Academic Level  Undergraduate
Undergraduate course level justification (Select One)
Prerequisites

All prerequisites will be enforced through COMPASS.

Effective term  2019-2020 2018-2019

Complete Course Title
Introduction to Magnetic Resonance Imaging and Magnetic Resonance Spectroscopy

Abbreviated Course Title
INTRO MRI AND MRS

Catalog course description
Introduction to the basic physics of magnetic resonance, the principles of MR imaging and spectroscopy, the major contrast mechanisms in MRI and MR imaging system hardware; development of pulse sequences for different imaging methods, including flow and spectroscopic imaging; will build RF coils.

Prerequisites and Restrictions
Grade of C or better in MATH 251 and PHYS 207; junior or MATH 253; grade of C or better in PHYS 207 or PHYS 208; junior or senior classification.
### ECEN 411: Introduction to Magnetic Resonance Imaging and Magnetic Resonance Spectroscopy

**Concurrent Enrollment**
- No

**Should catalog prerequisites / concurrent enrollment be enforced?**
- Yes

### Enforced Prerequisites / Concurrent Enrollment

<table>
<thead>
<tr>
<th>And/Or</th>
<th>Course Prefix/Number</th>
<th>Min Grade/Score</th>
<th>Academic Level</th>
<th>Concurrency?</th>
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<tr>
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<tr>
<td>And</td>
<td>PHYS 207</td>
<td>C</td>
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<td>No</td>
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<tr>
<td>Or</td>
<td>PHYS 208</td>
<td>C</td>
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<td>No</td>
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</table>

**Semester Credit**
- Semester: 3
- Credit Hour(s): 3
- Lecture: 2
- Lab: 3
- Other: 0
- Total: 5

**Repeatable for credit?**
- No

**Three-peat?**
- No

**CIP/Fund Code**
- 1410010006

**Default Grade Mode**
- Letter Grade (G)

**Alternate Grade Modes**
- Satisfactory/Unsatisfactory

**Method of Instruction**
- Lecture and Laboratory

**Will sections of this course be taught as non-traditional? (i.e., parts of term, distance education)**
- No

**Will this course be taught as a distance education course?**
- No

**Is 100% of this course going to be taught in Texas?**
- Yes

**Will classroom space be needed for this course?**
- Yes

**This will be a required course or an elective course for the following programs:**

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<tr>
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</tbody>
</table>

**Has/Will this course be(en) submitted for core curriculum consideration?**
- No
| Has/will this course be(en) submitted for Writing or Communication consideration? | No |
| Has/will this course be(en) submitted for ICD or CD consideration? | No |

## Course Syllabus

Syllabus: Upload syllabus

Upload syllabus

Letters of support or other documentation: Yes

Additional information

Reviewer Comments: Sandra Williams (sandra-williams) (11/05/18 2:40 pm): UCC approved November 2018.

Reported to state? No
MEMORANDUM

TO: Mr. Michael K. Young
President

THROUGH: Dr. Carol A. Fierke
Provost and Executive Vice President

FROM: Dr. Michael Benedikt
Vice Provost

SUBJECT: January 22, 2018 Faculty Senate Items

March 1, 2018

All of the attached January Faculty Senate items have been reviewed and approved by college, university curriculum, Faculty Senate and Office of the Provost.

New Course Requests, Course Change Requests, Course Withdrawal Requests, Course Inactivations, and Change in Curriculum Requests

Approval recommended. FS.35.153; FS.35.154; FS.35.155; FS.35.156; FS.35.157; FS.35.158; FS.35.159; FS.35.162; FS.35.163; FS.35.164; FS.35.166; FS.35.167; FS.35.168; FS.35.169; FS.35.170; FS.35.171; FS.35.172; FS.35.173; FS.35.174; FS.35.175; FS.35.176; FS.35.177; FS.35.178; FS.35.179; FS.35.180; FS.35.181; FS.35.182; FS.35.183; FS.35.184; FS.35.185; FS.35.186; FS.35.187; FS.35.188; FS.35.189; FS.35.190; FS.35.191; FS.35.192; FS.35.193; FS.35.194; FS.35.195; FS.35.196; FS.35.197; FS.35.198; FS.35.199; FS.35.200; FS.35.201; FS.35.202; FS.35.203; FS.35.204; FS.35.205; FS.35.206; FS.35.207; FS.35.208; FS.35.209; FS.35.210; FS.35.211; FS.35.212; FS.35.213; FS.35.214; FS.35.215; FS.35.216; FS.35.217; FS.35.218; FS.35.219; FS.35.220; FS.35.221; FS.35.227.


FS.35.161: Approval recommended. Graduate Courses Taught in Non-Traditional Formats—Spring 2018—third Request. Graduate Courses Taught in Non-traditional Formats—Spring 2018. All colleges within Texas A&M performed a comparison of the learning outcomes for distance education and non-traditional courses for equivalency to traditional face-to-face courses to determine if the courses met compliance to University Rule 11.03.99.M1. No external action.

FS.35.165: Approval recommended. Certificate is being discontinued to align Engineering Honors with the other Texas A&M honors programs. The closure will have no impact on faculty, staff or students. There are currently no students enrolled in the program. External action: Notification of closure to SACSCOC.
Mr. Michael K. Young  
March 1, 2018  
Page 2

FS.35.222: Approval recommended. College of Liberal Arts Department of Communication, CERT-SMDI Social Media Certificate. Certificate requires 15 SCH and does not surpass the maximum SCHs allowed by TAC, Chapter 5, Subchapter C, Rule Section 5.48. No external action.

FS.35.223: Approval recommended. Mays Business School, Department of Finance, CERT-CFIN Corporate Finance Certificate. Certificate requires 19 SCH and does not surpass the maximum SCHs allowed by TAC, Chapter 5, Subchapter C, Rule Section 5.48. No external action.

FS.35.224: Approval recommended. Mays Business School, Department of Finance, CERT-CMIN Capital Markets and Investments Certificate. Certificate requires 12 SCH and does not surpass the maximum SCHs allowed by TAC, Chapter 5, Subchapter C, Rule Section 5.48. No external action.


FS.35.226: Approval recommended. Courses Taught in Non-traditional Formats-Spring 2018- Second Request. Undergraduate Courses Taught in Non-traditional Formats-Spring 2018. All colleges within Texas A&M performed a comparison of the learning outcomes for distance education and non-traditional courses for equivalency to traditional face-to-face courses to determine if the courses met compliance to University Rule 11.03.99.M1. No external action.

FS.35.228: Approval recommended. Changes update/reflect core curriculum as mandated by the THECB and the Core Curriculum Council of the Faculty Senate. The requested changes will not affect the required total degree program hours. Life & Physical Sciences, Creative Arts, and Language, Philosophy and Culture areas.

FS.35.229: Approval recommended. Proposed Revisions to Student Rule 24.4.20.3, Student Conduct Code, regarding Sexual Exploitation. Please note that within the Justification Statement on the Faculty Senate item, it states that there is additional language that would allow Student Affairs to address students who may choose to prostitute themselves and/or those who choose to solicit prostitutes. However, there is no new language in the revised rule regarding prostitution. We confirmed with Student Affairs that the proposed language was removed by the Student Rules and Regulation Committee prior to submitting the revised rule to the Faculty Senate. Leaving the description in the Justification Statement was an oversight.

Attachments
Course Change Request

Date Submitted: 09/21/18 2:14 pm

Viewing: **ECEN 414 : Biosensors**

Last edit: 09/21/18 4:18 pm
Changes proposed by: karsilay

<table>
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<th>Name</th>
<th>E-mail</th>
<th>Phone</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>Aydin Karsilayan</td>
<td><a href="mailto:karsilay@tamu.edu">karsilay@tamu.edu</a></td>
<td>(979) 458-3555</td>
</tr>
</tbody>
</table>

Rationale for Course

**Edit**

*The proposed changes are part of a routine curriculum review.*

<table>
<thead>
<tr>
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<th>Course number</th>
<th>414</th>
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<tbody>
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<td></td>
<td></td>
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<tr>
<td>College/School</td>
<td>College of Engineering</td>
<td></td>
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</tr>
<tr>
<td>Academic Level</td>
<td>Undergraduate</td>
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Undergraduate course level justification (Select One)

Prerequisites

*All prerequisites will be enforced through COMPASS.*

<table>
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<tr>
<th>Academic Level (alternate)</th>
<th>Graduate</th>
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<tbody>
<tr>
<td>Effective term</td>
<td>2019-2020</td>
</tr>
<tr>
<td>Complete Course Title</td>
<td>Biosensors</td>
</tr>
<tr>
<td>Abbreviated Course Title</td>
<td>BIOSENSORS</td>
</tr>
</tbody>
</table>

Catalog course description

*Hands-on lab experience in the development of miniaturized biosensors; includes microfluidic devices for biosensing.*

Prerequisites and Restrictions

*Grade of C or better in ECEN 214; senior classification.* Senior classification or approval of instructor.

Concurrent Enrollment

No

Should catalog prerequisites / concurrent enrollment be enforced?

**Yes**

In Workflow

1. ECEN Department Head
2. Curricular Services Review
3. EN Committee Preparer UG
4. EN Committee Chair UG
5. EN College Dean UG
6. UCC Preparer
7. UCC Chair
8. Faculty Senate Preparer
9. Faculty Senate
10. Provost II
11. President
12. Curricular Services
13. Banner

Approval Path

1. 09/21/18 2:16 pm Miroslav Begovic (begovic): Approved for ECEN Department Head
2. 09/21/18 4:18 pm Terra Bisse (t.bisse): Approved for Curricular Services Review
3. 10/18/18 5:24 pm Eileen Hoy (ehoy): Approved for EN Committee Preparer UG
4. 10/18/18 5:54 pm Prasad Enje (enje): Approved for EN Committee Chair UG
5. 10/18/18 5:56 pm Prasad Enje (enje): Approved for EN College Dean UG
6. 10/19/18 2:17 pm Sandra Williams (sandra-williams): Approved for UCC Preparer
7. 11/05/18 2:40 pm Sandra Williams (sandra-williams): Approved for UCC Chair

https://nextcatalog.tamu.edu/courseleaf/approve/?role=Faculty%20Senate
<table>
<thead>
<tr>
<th>Enforced Prerequisites / Concurrent Enrollment</th>
</tr>
</thead>
<tbody>
<tr>
<td>And/Or</td>
</tr>
<tr>
<td>--------</td>
</tr>
<tr>
<td></td>
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</tbody>
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Crosslistings: No  Stacked: No

Semester: 3  Credit Hour(s): 3
Contact Hour(s): (per week): Lecture: 2  Lab: 2  Other: 0  Total: 4

Repeatable for credit: No  Three-peat: No

CIP/Fund Code: 1410010006  Default Grade Mode: Letter Grade (G)
Alternate Grade Modes: Satisfactory/Unsatisfactory

Method of instruction: Lecture and Laboratory

Will sections of this course be taught as non-traditional? (i.e., parts of term, distance education) No

Will this course be taught as a distance education course? No

Is 100% of this course going to be taught in Texas? Yes

Will classroom space be needed for this course? Yes

This will be a required course or an elective course for the following programs:

<table>
<thead>
<tr>
<th>Program(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>(BS-ELEN) Electrical Engineering - BS</td>
</tr>
</tbody>
</table>

Required (select program)

Elective (select program)

Has/will this course be submitted for core curriculum consideration? No

Has/will this course be submitted for Writing or Communication consideration? No

Has/will this course be submitted for ICD or CD consideration? No
Course Syllabus

Syllabus: Upload syllabus

Letters of support or other documentation: No

Additional information:

Reviewer Comments: Sandra Williams (sandra-williams) (11/05/18 2:40 pm): UCC approved November 2018.

Reported to state? No
Course Change Request

Date Submitted: 09/21/18 2:16 pm

Viewing: ECEN 438: Power Electronics

Last edit: 09/21/18 4:19 pm

Changes proposed by: karsilay

Rationale for Course
Edit

The proposed changes are part of a routine curriculum review.

Catalog Pages referencing this course
Department of Electrical & Computer Engineering
Department of Electrical and Computer Engineering
ECEN - Electrical & Comp Engr
ECEN - Electrical & Comp Engr (ECEN)

Other Courses referencing this course
As A Banner Prerequisite:
ECEN 712: Power Electronics for Photovoltaic Energy Systems

Contact(s)

<table>
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<tr>
<th>Name</th>
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</thead>
<tbody>
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<td><a href="mailto:karsilay@tamu.edu">karsilay@tamu.edu</a></td>
<td>(979) 458-3555</td>
</tr>
</tbody>
</table>

Academic Level

Undergraduate

Undergraduate course level justification (Select One)

Prerequisites

All prerequisites will be enforced through COMPASS.

Effective term

2019-2020

Complete Course Title

Power Electronics

Abbreviated Course Title

POWER ELECTRONICS

Catalog course description

Electric power conditioning and control; characteristics of solid state power switches; analysis and experiments with AC power controllers, controlled rectifiers, DC choppers and DC-AC converters; applications to power supplies, airborne and spaceborne power systems.

Prerequisites and Restrictions

Grade of C or better senior classification in ECEN 214; junior electrical engineering or senior classification, approval of instructor.

Concurrent Enrollment

No

Should catalog prerequisites / Yes No

Approval Path

1. 09/21/18 2:26 pm
Aydin Karsilayan (karsilay): Approved for ECEN Department Head
2. 09/21/18 4:19 pm
Terra Bisse (t.bisse): Approved for Curricular Services Review
3. 10/18/18 5:24 pm
Eileen Hoy (ehoy): Approved for EN Committee Preparer UG
4. 10/18/18 5:54 pm
Prasad Enje (enje): Approved for EN Committee Chair UG
5. 10/18/18 5:56 pm
Prasad Enje (enje): Approved for EN College Dean UG
6. 10/19/18 2:17 pm
Sandra Williams (sandra-williams): Approved for UCC Preparer
7. 11/05/18 2:40 pm
Sandra Williams (sandra-williams): Approved for UCC Chair
## Enforced Prerequisites / Concurrent Enrollment

<table>
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<tr>
<th>And/Or</th>
<th>Course Prefix/Number</th>
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<tr>
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<td>ECEN 214</td>
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### Crosslistings

- No

### Stacked

- No

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<th>Semester</th>
<th>Credit Hour(s)</th>
<th>Contact Hour(s) (per week):</th>
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</table>

### Repeatable for credit?

- No

### Three-peat?

- No

### CIP/Fund Code

- 1410010006

### Default Grade Mode

- Letter Grade (G)

### Alternate Grade Modes

- Satisfactory/Unsatisfactory

### Method of instruction

- Lecture and Laboratory

### Will sections of this course be taught as non-traditional? (i.e., parts of term, distance education)

- No

### Will this course be taught as a distance education course?

- No

### Is 100% of this course going to be taught in Texas?

- Yes

### Will classroom space be needed for this course?

- Yes

This will be a required course or an elective course for the following programs:

- **Required (select program)**
- **Elective (select program)**

<table>
<thead>
<tr>
<th>Program(s)</th>
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<tbody>
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<td>(BS-ELEN) Electrical Engineering - BS</td>
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<table>
<thead>
<tr>
<th>Has/will this course be(en) submitted for core curriculum consideration?</th>
</tr>
</thead>
</table>
| No

<table>
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<tr>
<th>Has/will this course be(en) submitted for Writing or Communication consideration?</th>
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</table>
| No

<table>
<thead>
<tr>
<th>Has/will this course be(en) submitted for</th>
</tr>
</thead>
</table>
| No

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https://nextcatalog.tamu.edu/courseleaf/approve/?role=Faculty%20Senate
ICD or CD consideration?

Course Syllabus

Syllabus: Upload syllabus

Upload syllabus

Letters of support or other documentation: No

Additional information

Reviewer Comments: Sandra Williams (sandra-williams) (11/05/18 2:40 pm): UCC approved November 2018.

Reported to state: No

https://nextcatalog.tamu.edu/courseleaf/approve/?role=Faculty%20Senate
Course Change Request

Date Submitted: 09/21/18 2:19 pm

Viewing: ECEN 441 : Electronic Motor Drives

Last edit: 09/21/18 4:20 pm
Changes proposed by: karsilay

Catalog Pages referencing this course

- Department of Electrical & Computer Engineering
- ECEN - Electrical & Comp Energ (ECEN)

Faculty Senate Number

Contact(s)

<table>
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<td>(979) 458-3555</td>
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</table>

Rationale for Course

The proposed changes are part of a routine curriculum review.

Course prefix           ECEN    Course number  441
Department               Electrical & Computer Eng
College/School           College of Engineering
Academic Level           Undergraduate
Undergraduate course level justification (Select One)

Prerequisites

All prerequisites will be enforced through COMPASS.

Academic Level           Graduate
(alternate)
Effective term           2019-2020

Complete Course Title
Electronic Motor Drives

Abbreviated Course Title
ELECTRONIC MOTOR DRIVE

Catalog course description
Application of semiconductor switching power converters to adjustable speed DC and AC motor drives; steady state theory and analysis of electric motion control in industrial, robotic and traction systems; laboratory experiments in power electronic motor drives and their control.

Prerequisites and Restrictions

Grade of C Junior or better senior classification in ECEN 214; junior or senior classification, electrical engineering.

Concurrent Enrollment
No

Should catalog prerequisites /
Yes

Approval Path

1. 09/21/18 2:26 pm Aydin Karsilayan (karsilay): Approved for ECEN Department Head
2. 09/21/18 4:20 pm Terra Bissett (t.bissett): Approved for Curricular Services Review
3. 10/18/18 5:24 pm Eileen Hoy (ehoy): Approved for EN Committee Preparer UG
4. 10/18/18 5:54 pm Prasad Enje (enje): Approved for EN Committee Chair UG
5. 10/18/18 5:56 pm Prasad Enje (enje): Approved for EN College Dean UG
6. 10/19/18 2:17 pm Sandra Williams (sandra-williams): Approved for UCC Preparer
7. 11/05/18 2:41 pm Sandra Williams (sandra-williams): Approved for UCC Chair
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</tbody>
</table>

Crosslistings: No  Crosslisted With: Stacked: No  Stacked with: Semester: 4  Credit Hour(s): 4  Repeatable for credit: No  Three-peat: No  CIP/Fund Code: 1410010006  Default Grade Mode: Letter Grade (G)  Alternate Grade Modes: Satisfactory/ Unsatisfactory  Method of instruction: Lecture and Laboratory  Will sections of this course be taught as non-traditional? (i.e., parts of term, distance education): No  Will this course be taught as a distance education course: No  Is 100% of this course going to be taught in Texas: Yes  Will classroom space be needed for this course: Yes  This will be a required course or an elective course for the following programs:

**Program(s)**

[BS-ELEN] Electrical Engineering - BS
ICD or CD consideration?

---

**Course Syllabus**

Syllabus: Upload syllabus

Letters of support or other documentation: No

Additional information

Reviewer Comments: Sandra Williams (sandra-williams) [11/05/18 2:41 pm]: UCC approved November 2018.

Reported to state: No
**Course Change Request**

**Viewing: ECEN 465: Experimental Optics**

**Last edit:** 09/21/18 4:22 pm  
Changes proposed by: karsilay

<table>
<thead>
<tr>
<th>Catalog Pages referencing this course</th>
</tr>
</thead>
<tbody>
<tr>
<td>Department of Electrical &amp; Computer Engineering</td>
</tr>
<tr>
<td>ECEN - Electrical &amp; Comp Engr (ECEN)</td>
</tr>
</tbody>
</table>

**Faculty Senate Number**

<table>
<thead>
<tr>
<th>Name</th>
<th>E-mail</th>
<th>Phone</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aydin Karsilayan</td>
<td><a href="mailto:karsilay@tamu.edu">karsilay@tamu.edu</a></td>
<td>(979) 458-3555</td>
</tr>
</tbody>
</table>

**Rationale for Course Edit**

The proposed changes are part of a routine curriculum review.

**Course prefix**     | ECEN  
**Course number**    | 465  
**Department**        | Electrical & Computer Eng  
**College/School**    | College of Engineering  
**Academic Level**    | Undergraduate  
**Undergraduate course level justification (Select One)**

<table>
<thead>
<tr>
<th>Prerequisites</th>
</tr>
</thead>
</table>

**All prerequisites will be enforced through COMPASS.**

**Academic Level** (alternate) | Graduate  
**Effective term** | 2019-2020  
**Complete Course Title** | Experimental Optics  
**Abbreviated Course Title** | EXPERIMENTAL OPTICS  

**Catalog course description**

In-depth study of experimental optic techniques; opto-mechanical assemblies; passive optics; interferometers; optoelectronics; basic op-amp circuits; feedback and control of optics with electronics.

**Prerequisites and Restrictions**

Grade of C or better in ECEN 370: junior senior classification or senior classification. Approval of instructor.

**Concurrent Enrollment** | No  
**Should catalog prerequisites / concurrent enrollment be enforced?** | Yes No
ECEN 465: Experimental Optics

Enforced Prerequisites / Concurrent Enrollment

<table>
<thead>
<tr>
<th>And/Or</th>
<th>Course Prefix/Number</th>
<th>Min Grade/Score</th>
<th>Academic Level</th>
<th>)</th>
<th>Concurrency?</th>
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<tr>
<td></td>
<td>ECEN 370</td>
<td>C</td>
<td>UG</td>
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</tbody>
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Crosslistings: No  Crosslisted With
Stacked: No  Stacked with

Semester: 4
Credit Hour(s): 4
Contact Hour(s) (per week): Lecture: 2  Lab: 7  Other: 0  Total: 9
Repeatable for credit?: No
Three-peat?: No
CIP/Fund Code: 1410010006
Default Grade Mode: Letter Grade (G)
Alternate Grade Modes: Satisfactory/ Unsatisfactory
Method of instruction: Lecture and Laboratory
Will sections of this course be taught as non-traditional? (i.e., parts of term, distance education)

Will this course be taught as a distance education course?: No
Is 100% of this course going to be taught in Texas?: Yes
Will classroom space be needed for this course?: Yes

This will be a required course or an elective course for the following programs:

Required (select program)

Elective (select program)

Has/ will this course be (en) submitted for core curriculum consideration?: No
Has/ will this course be (en) submitted for Writing or Communication consideration?: No
Has/ will this course be (en) submitted for ICD or CD consideration?: No

Program(s)

(BS-ELEN) Electrical Engineering - BS
### Course Syllabus

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</tr>
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<td>No</td>
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</table>
Course Change Request

Date Submitted: 09/05/18 1:17 pm

Viewing: **ENGR 281 : Engineering Honors Mentoring and Team Building Seminar**

Last approved: 02/16/18 3:27 am
Last edit: 09/17/18 2:36 pm
Changes proposed by: paulinewade

Catalog Pages referencing this course

<table>
<thead>
<tr>
<th>Faculty Senate Number</th>
<th>FS.35.078</th>
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Contact(s)

<table>
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<tr>
<th>Name</th>
<th>E-mail</th>
<th>Phone</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pauline Wade</td>
<td><a href="mailto:paulinewade@tamu.edu">paulinewade@tamu.edu</a></td>
<td>9794589393</td>
</tr>
</tbody>
</table>

Rationale for Course Edit

The proposed changes are to support major changes to an existing program.

Course prefix | ENGR
Department   | College of Engineering
College/School| College of Engineering
Academic Level| Undergraduate

Undergraduate course level justification (Select One)

| Academic Level (alternate) | Graduate |

Effective term | 2019-2020 2018-2019

Complete Course Title
Engineering Honors Mentoring and Team Building Seminar

Abbreviated Course Title
EH MENTORING & TEAM BLDG

Catalog course description

Selected topics related to peer mentoring and team building while participating in co-curricular activities; emphasis on building supportive relationships on campus; provides practical experience in being a member of a project involving campus or community-based engagement; for those serving as a Coach (i.e., student leader providing light mentoring to the residents) in the Engineering Honors Living Learning Community (Engineering Honors Community of Scholars or ECOS).

Prerequisites and Restrictions
Appointment to be a Coach in ECOS; approval of instructor.

Concurrent Enrollment | No

In Workflow
1. CLEN Department Head
2. Curricular Services Review
3. EN Committee Preparer UG
4. EN Committee Chair UG
5. EN College Dean UG
6. UCC Preparer
7. UCC Chair
8. Faculty Senate Preparer
9. Faculty Senate
10. Provost II
11. President
12. Curricular Services
13. Banner

Approval Path
1. 09/17/18 2:24 pm
   Tim Jacobs (tjjacobs): Approved for CLEN Department Head
2. 09/17/18 2:38 pm
   Terra Bissett (t.bissett): Approved for Curricular Services Review
3. 10/18/18 5:26 pm
   Eileen Hoy (ehoy): Approved for EN Committee Preparer UG
4. 10/18/18 5:54 pm
   Prasad Enje (enje): Approved for EN Committee Chair UG
5. 10/18/18 5:56 pm
   Prasad Enje (enje): Approved for EN College Dean UG
6. 10/19/18 2:17 pm
   Sandra Williams (sandra-williams): Approved for UCC Preparer
7. 11/05/18 2:41 pm
   Sandra Williams (sandra-williams): Approved for UCC Chair

History
1. Feb 16, 2018 by paulinewade
| **Should catalog prerequisites / concurrent enrollment be enforced?** | No |
| **Crosslistings** | No |
| **Stacked** | No |

| **Semester** | 0-1  |
| **Credit Hour(s)** | 1 |
| **Contact Hour(s) (per week):** | Lecture: 1, Lab: 0, Other: 0-1  |
| **Repeatable for credit?** | Yes |
| **Number of times repeated for credit** | 6 - OR - Maximum number of hours |
| **When will this course be repeated?** | Within a student's career |
| **Three-peat?** | Yes |
| **CIP/Fund Code** | 1401010006 |
| **Default Grade Mode** | Satisfactory/Unsatisfactory (S) |
| **Alternate Grade Modes** | Seminar |
| **Method of instruction** | Seminar |

Will sections of this course be taught as non-traditional? (i.e., parts of term, distance education)

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Is 100% of this course going to be taught in Texas?

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Will classroom space be needed for this course?

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This will be a required course or an elective course for the following programs:

Required (select program)
Elective (select program)

Has/will this course be(en) submitted for core curriculum consideration?

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Has/will this course be(en) submitted for Writing or Communication consideration?

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Has/will this course be(en) submitted for ICD or CD consideration?

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MEMORANDUM

TO: Mr. Michael K. Young
President

THROUGH: Dr. Carol A. Fieker
Provost and Executive Vice President

FROM: Dr. Michael Benedik
Vice Provost

SUBJECT: November 13, 2017 Faculty Senate Items

All of the attached November 2017 Faculty Senate items have been reviewed and approved by college, university curriculum, Faculty Senate and Office of the Provost.

New Course Requests, Course Change Requests, Course Withdrawal Requests, Change in Curriculum Requests, Course Inactivation
Approval recommended. FS.35.064; FS.35.065; FS.35.077; FS.35.078; FS.35.079; FS.35.080; FS.35.082; FS.35.083; FS.35.084; FS.35.085; FS.35.086; FS.35.087; FS.35.088; FS.35.089; FS.35.090; FS.35.091; FS.35.093; FS.35.094; FS.35.095; FS.35.096; FS.35.097; FS.35.098; FS.35.099.

FS.35.066: Recommend approval. College of Dentistry, Department of Endodontics, Endodontics Certificate. Request changes the required 61.5 SCH to proposed 61.0 SCH with an implementation date of January 1, 2018. This request will affect Texas A&M and TAMHSC program inventories. External action: Submit THECB Request to Change Semester Credit Hours form through the System.

FS.35.067: Recommend approval. College of Dentistry, Department of Diagnostic Services, Oral and Maxillofacial Radiology Certificate. During the research of this item, it was found the catalog shows 50.5 required SCH but the Program Inventory show 47 SCH. which is an increase rather than a decrease as originally requested [50.5 SCH to proposed 48.0 SCH with an implementation date of January 1, 2018]. The College was contacted on December 6 and a request for a revised THECB Request to Change Semester Credit Hours form giving justification for the increase was made. This request will affect Texas A&M and TAMHSC program inventories. External action: Submit THECB Request to Change Semester Credit Hours form through the System.
Mr. Michael K. Young
December 11, 2017
Page 2

FS.35.068: Recommend approval. College of Dentistry, Department of Restorative Sciences, Prosthodontics Certificate. Thirty-five months of residency must be completed, while completing requirements for the MS degree and be approved by the Promotions Committee for the certificate to be awarded [thesis]. Student can take non-thesis option but has to meet certain criteria—previously awarded a Ph.D. and with the approval of the program director. The non-thesis requires 36 hours of courses. Implementation date of January 1, 2018. No external action.

FS.35.069: Recommend approval. Mays Business School, Department of Finance, Master of Science in Finance. Request to change CIP code from 52.0801.00 to 52.1399.01 The MS in Finance Program is introducing up to six new courses in Business Analytics for the purpose of better preparing students to occupy high-level finance jobs that require STEM education. External action: Submit THECB CIP Code Change Request form through the System.

FS.35.070: Recommend approval. Texas A&M University Galveston Campus, Department of Maritime Administration, Master of Maritime Administration and Logistics in Maritime Administration. Request revises the existing degree scheme in all of the Deck License Option [DLO] programs accredited by the United States Coast Guard and the United States Maritime Administration due to the Texas A&M Maritime Academy’s April 2016 Program Audit. The auditors found deficiencies in properly training upcoming mariners in maritime meteorology. Each of the DLO Programs require a maritime qualified assessor/instructor to educate upcoming mariners in maritime reporting and forecasting and evasive maneuvers to avoid extreme weather systems. No external action.

FS.35.071: Recommend approval. Texas A&M University Galveston Campus, Department of Marine Science, Master of Marine Resources Management in Marine Resources Management. Request revises the existing degree scheme in all of the Deck License Option [DLO] programs accredited by the United States Coast Guard and the United States Maritime Administration due to the Texas A&M Maritime Academy’s April 2016 Program Audit. The auditors found deficiencies in properly training upcoming mariners in maritime meteorology. Each of the DLO Programs require a maritime qualified assessor/instructor to educate upcoming mariners in maritime reporting and forecasting and evasive maneuvers to avoid extreme weather systems. No external action.

FS.35.072: Recommend approval. Texas A&M University Galveston Campus, Department of Marine Biology, Master of Science in Marine Biology. Request revises the existing degree scheme in all of the Deck License Option [DLO] programs accredited by the United States Coast Guard and the United States Maritime Administration due to the Texas A&M Maritime Academy’s April 2016 Program Audit. The auditors found deficiencies in properly training upcoming mariners in maritime meteorology. Each of the DLO Programs require a maritime qualified assessor/instructor to educate upcoming mariners in maritime reporting and forecasting and evasive maneuvers to avoid extreme weather systems. No external action.

FS.35.073: Recommend approval. College of Engineering, Department of Petroleum Engineering, Energy Sustainability Engineering Certificate, Request for Inactivation. No students are currently participating in this certificate. External action: Notification letter to SACSCOC.
Mr. Michael K. Young  
December 11, 2017  
Page 3

FS.35.074: Recommend approval. College of Geosciences, Department of Atmospheric Sciences, Doctor of Philosophy in Atmospheric Sciences. Dual degree request with Ocean University of China, Qingdao, China. This request does not require THECB action since the requirements are considered study abroad with completion of at least 33% of the required hours at the College Station campus. The Texas A&M degree must be awarded prior to the Ocean University of China degree. 
External action: SACSCOC notification. The MOA will need to be updated with corrected signatories. After all parties have signed, the final version will be obtained and sent to SACSCOC.

FS.35.075: Recommend approval. Texas A&M University Galveston Campus, Department of Marine Science, Ph.D. in Marine and Coastal Management and Science. Request for a new degree program, Ph.D. in Marine and Coastal Management and Science [CIP code 03.0201.00]. A Planning Notification was approved by the THECB December 22, 2016. The Program is over $2M.
Internal action: 50-mile notification will be sent when Senate item is approved and an agenda item will be submitted to the System for review and approval at the April 2018 Board of Regents meeting [deadline for submission: January 11, 2018].
External action: The required THECB forms will be submitted to the System with the agenda item.

FS.35.076: Recommend approval. Graduate Courses Taught in Non-traditional Formats- Spring 2018. All colleges within Texas A&M performed a comparison of the learning outcomes for distance education and non-traditional courses for equivalency to traditional face-to-face courses to determine if the courses met compliance to University Rule 11.03.99.M1. Information will be provided to SACSCOC in the fifth-year report.

FS.35.081: Recommend approval. College of Agriculture & Life Sciences, Department of Nutrition and Food Science, Food Systems Industry Management. Request for off-campus face-to-face and distance delivery at the McAllen Higher Education Center in McAllen, Texas. So that Texas A&M may begin advertising the program in McAllen and admit students all paperwork was processed and submitted to the System on the dates below.
Internal action: 50-mile notification sent on October 3, 2017.
External action: THECB paperwork sent on November 30, 2017.

FS.35.092: Recommend approval. Courses Taught in Non-traditional Formats- Spring 2018. All colleges within Texas A&M performed a comparison of the learning outcomes for distance education and non-traditional courses for equivalency to traditional face-to-face courses to determine if the courses met compliance to University Rule 11.03.99.M1. Information will be provided to SACSCOC in the fifth-year report.


Attachments
Course Change Request

Date Submitted: 09/05/18 1:17 pm

Viewing: ENGR 381: Engineering Honors Leadership and Project Management Seminar

Last approved: 02/22/18 3:27 am

Last edit: 09/17/18 2:34 pm

Changes proposed by: paulinewade

Catalog Pages referencing this course

Catalog course description
Selected topics related to leadership and project management theory and practice in the context of co-curricular activities, involving multidisciplinary teams; provides practical experience in leading projects involving community-based engagement and residence-based programming; for those serving as Fellows, student leaders in the Engineering Honors Living Learning Community (Engineering Honors Community of Scholars or ECOS).

Prerequisites and Restrictions
Appointment to be a Fellow in ECOS; approval of instructor.
Concurrent Enrollment: No

Should catalog prerequisites/concurrent enrollment be enforced? No

Crosslistings: No

Stacked: No

Semester: 0-1

Contact Hour(s) (per week):

Lecture: 0

Lab: 0

Other: 0-1

Total: 0-1

Repeatable for credit? Yes

Number of times repeated for credit: 6

Maximum number of hours: - OR -

When will this course be repeated? Within a student's career

Three-peat? Yes

CIP/Fund Code: 1401010006

Default Grade Mode: Letter Grade (G)

Alternate Grade Modes: Satisfactory/Unsatisfactory

Method of instruction:

Lecture
Seminar

Will sections of this course be taught as non-traditional? (i.e., parts of term, distance education) No

Will this course be taught as a distance education course? No

Is 100% of this course going to be taught in Texas? Yes

Will classroom space be needed for this course? Yes

This will be a required course or an elective course for the following programs:

Required (select program)
Elective (select program)

Has/will this course be(en) submitted for core curriculum consideration? No

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Has/will this course be(en) submitted for
**Course Syllabus**

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    President

THROUGH: Dr. Carol A. Fierke
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**External action:** Submit THECB CIP Code Change Request form through the System.

FS.35.070: Recommend approval. Texas A&M University Galveston Campus, Department of Maritime Administration, Master of Maritime Administration and Logistics in Maritime Administration. Request revises the existing degree scheme in all of the Deck License Option [DLO] programs accredited by the United States Coast Guard and the United States Maritime Administration due to the Texas A&M Maritime Academy’s April 2016 Program Audit. The auditors found deficiencies in properly training upcoming mariners in maritime meteorology. Each of the DLO Programs require a maritime qualified assessor/instructor to educate upcoming mariners in maritime reporting and forecasting and evasive maneuvers to avoid extreme weather systems. No external action.

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Internal action: 50-mile notification sent on October 3, 2017.

External action: THECB paperwork sent on November 30, 2017.

FS.35.092: Recommend approval. Courses Taught in Non-traditional Formats- Spring 2018. All colleges within Texas A&M performed a comparison of the learning outcomes for distance education and non-traditional courses for equivalency to traditional face-to-face courses to determine if the courses met compliance to University Rule 11.03.99.M1. Information will be provided to SACSCOC in the fifth-year report.


Attachments
Course Change Request

Viewing: **ENTO 306 : Insect Physiology**

Last approved: 02/28/18 3:29 am
Last edit: 09/21/18 8:29 am

Changes proposed by: rhapes

<table>
<thead>
<tr>
<th>Faculty Senate Number</th>
<th>FS.35.113</th>
</tr>
</thead>
</table>

<table>
<thead>
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<th>Contact(s)</th>
</tr>
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<table>
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<tr>
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<tbody>
<tr>
<td>Rebecca Hapes</td>
<td><a href="mailto:rhapes@tamu.edu">rhapes@tamu.edu</a></td>
<td>979-845-9733 979-845-0122</td>
</tr>
<tr>
<td>Ann Pool</td>
<td><a href="mailto:annpool@tamu.edu">annpool@tamu.edu</a></td>
<td></td>
</tr>
</tbody>
</table>

Rationale for Course

**Edit**

The proposed changes are part of a routine curriculum review.

**Other**

The proposed changes are part of a routine curriculum review.

Explain other rationale

**CHEM numbering changes altered required prerequisites**

**Course prefix**

**ENTO**

**Course number**

306

**Department**

Entomology

**College/School**

Agriculture & Life Sciences

**Academic Level**

Undergraduate

**Undergraduate course level justification (Select One)**

**Prerequisites**

All prerequisites will be enforced through COMPASS.

**Academic Level (alternate)**

Graduate

**Effective term**

2019-2020 2018-2019

**Complete Course Title**

Insect Physiology

**Abbreviated Course Title**

INSECT PHYSIOLOGY

**Catalog course description**

Physiology of insects; structure and function of internal organ systems and their role in insect success.

**Prerequisites and Restrictions**

**ENTO 201, 202, 208 and 209; ENTO 209; BIOL 111 and and BIOL 112; CHEM 101, CHEM 111, CHEM 102 and and CHEM 112, or CHEM 119 and CHEM 120.**

https://nextcatalog.tamu.edu/courseleaf/approve/?role=Faculty%20Senate
Concurrent Enrollment: No

Should catalog prerequisites / concurrent enrollment be enforced?

Yes

Enforced Prerequisites / Concurrent Enrollment

<table>
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<th>And/Or</th>
<th>Course Prefix/Number</th>
<th>Min Grade/Score</th>
<th>Academic Level</th>
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<tr>
<td>And</td>
<td>CHEM 120</td>
<td>D</td>
<td>UG</td>
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</table>

Crosslistings: No

Stacked: No

Semester: 3
Credit Hour(s): 3
Contact Hour(s) (per week):
Lecture: 2
Lab: 3
Other: 0
Total: 5

Repeatable for credit? No
Three-peat? No

CIP/Fund Code: 2607020002
Default Grade Mode: Letter Grade (G)
Alternate Grade Modes: Satisfactory/Unsatisfactory
Method of instruction: Lecture and Laboratory

Will this course be taught as a distance education course? No
Is 100% of this course going to be taught in Texas? Yes
Will classroom space be needed for this course? Yes

This will be a required course or an elective course for the following programs:
Required (select program)

Elective (select program)

<table>
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<tr>
<td>(BS-ENTO) Entomology - BS</td>
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</table>

Has/will this course be(en) submitted for core curriculum consideration? No

Has/will this course be(en) submitted for Writing or Communication consideration? No

Has/will this course be(en) submitted for ICD or CD consideration? No

**Course Syllabus**

Syllabus: Upload syllabus

Upload syllabus

Letters of support or other documentation No Yes

Additional information

Reviewer Comments

Terra Bissett (t.bissett) (09/21/18 8:31 am): Minor edits made to catalog course prerequisites and table to conform with catalog style guide.

Sandra Williams (sandra-williams) (11/05/18 2:41 pm): UCC approved November 2018.

Reported to state? No

Key: 5879
MEMORANDUM

TO: Mr. Michael K. Young  
President

THROUGH: Dr. Carol A. Fierke  
Provost and Executive Vice President

FROM: Dr. Michael Benedik  
Vice Provost

SUBJECT: December 11, 2017 Faculty Senate Items

All of the attached December 2017 Faculty Senate items have been reviewed and approved by college, university curriculum, Faculty Senate and Office of the Provost.

New Course Request, Course Change Request, Course Withdrawal Request, Course Inactivation and Change in Curriculum Request, Informational Review Items

Approval recommended. FS.35.101, FS.35.102; FS.35.103; FS.35.104; FS.35.111; FS.35.112; FS.35.113; FS.35.114; FS.35.115; FS.35.116; FS.35.117; FS.35.118; FS.35.119; FS.35.120; FS.35.121; FS.35.122; FS.35.123; FS.35.124; FS.35.125; FS.35.126; FS.35.127; FS.35.128; FS.35.129; FS.35.130; FS.35.131; FS.35.132; FS.35.133; FS.35.134; FS.35.135; FS.36.136; FS.35.137; FS.35.138; FS.35.139; FS.35.140; FS.35.141; FS.35.142; FS.35.143; FS.35.144; FS.35.145; FS.35.146; FS.147; FS.35.148; FS.35.149; FS.35.150; FS.35.151; FS.35.152.

FS.35.105: Recommend approval. School of Public Health, Department of Health Policy and Management, MHA-HADM: Master of Health Administration in Health Administration. Request to change SCHs from 57 SCH to 55 SCH. The change will strengthen the resident track curriculum and ensure consistency between the resident track and executive track for Commission on Accreditation of Healthcare Management Education accreditation. 

External Action: Request to Change Semester Credit Hours form will be submitted to the System for approval by the THECB.

FS.35.106: Recommend approval. College of Agriculture and Life Sciences, Department of Nutrition and Food Science, MS-FSTC: Master of Science in Food Science and Technology. The non-thesis MS Food Science & Technology option is being discontinued in favor of the MAGR Food Science & Technology. The MS Food Science & Technology with thesis will remain. No external action.

FS.35.108: Recommend approval. School of Public Health, Department of Health Promotion and Community Health Sciences, CERT-CG58: Global Health-Certificate. Certificate requires 15 SCH, which does not surpass Texas Administrative Code, Chapter 5, Subchapter C, Section 5.48 allowed SCH. No external action.


FS.35.110: Recommend approval. Graduate Courses Taught in Non-traditional Formats-Spring 2018- 2nd Request. Graduate Courses Taught in Non-traditional Formats–Spring 2018. All colleges within Texas A&M performed a comparison of the learning outcomes for distance education and non-traditional courses for equivalency to traditional face-to-face courses to determine if the courses met compliance to University Rule 11.03.99.M1. No external action required.

Attachments
Course Change Request

Date Submitted: 09/20/18 12:35 pm

Viewing: ENTO 424: Insect Ecology

Last approved: 02/28/18 3:29 am

Last edit: 09/21/18 10:23 am

Changes proposed by: rhapes

Catalog Pages referencing this course
- Department of Entomology
- ENTO - Entomology (ENTO)

Programs referencing this course
- BS-ENTO: Entomology - BS
- BS-ENST: Environmental Studies - BS
- MINOR-ENTO: Entomology - Minor

Faculty Senate Number
- FS.35.113

Contact(s)

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Rationale for Course

Edit

Other
The proposed changes are part of a routine curriculum review.

Explanation other rationale

prerequisite corrections

Course prefix: ENTO  
Course number: 424

Department: Entomology
College/School: Agriculture & Life Sciences
Academic Level: Undergraduate

Undergraduate course level justification (Select One)
- Prerequisites

All prerequisites will be enforced through COMPASS.

Academic Level (alternate): Graduate


Complete Course Title
- Insect Ecology

Abbreviated Course Title
- INSECT ECOLOGY

Catalog course description
- Provides basic ecological background with an applied interpretation, emphasizing influences of insect populations and communities on ecosystem processes that influence landscape structure, function and change.

Prerequisites and Restrictions
- ENTO 201 or ENTO 208 and 208; ENTO 209; BIOL 111; junior or senior classification or approval of instructor.

In Workflow

- 1. ENTO Department Head
- 2. Curricular Services Review
- 3. AG Committee Preparer UG
- 4. AG Committee Chair UG
- 5. AG College Dean UG
- 6. UCC Preparer
- 7. UCC Chair
- 8. Faculty Senate Preparer
- 9. Faculty Senate
- 10. Provost II
- 11. President
- 12. Curricular Services
- 13. Banner

Approval Path

1. 09/20/18 4:54 pm
   Pete Teel (pteel):
   Approved for ENTO Department Head

2. 09/21/18 10:24 am
   Terra Bisse (t.bisse):
   Approved for Curricular Services Review

3. 09/21/18 10:33 am
   Dawn Kersteer (dkersteer):
   Approved for AG Committee Preparer UG

4. 10/05/18 9:50 am
   Bob Knight (bob-knight):
   Approved for AG Committee Chair UG

5. 10/05/18 9:58 am
   Dawn Kersteer (dkersteer):
   Approved for AG College Dean UG

6. 10/08/18 2:01 pm
   Sandra Williams (sandra-williams):
   Approved for UCC Preparer

7. 11/05/18 2:42 pm
   Sandra Williams (sandra-williams):
   Approved for UCC Chair

History

1. Feb 28, 2018 by
   Rebecca Hapes (rhapes)
**Enforced Prerequisites / Concurrent Enrollment**

<table>
<thead>
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<td>And</td>
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<tr>
<td>And</td>
<td>BIOL 111</td>
<td>D</td>
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</tbody>
</table>

**Semester** 3  
**Contact Hour(s)** | Lecture: 2 | Lab: 3 | Other: 0 | Total 5  
**Repeatable for credit?** No  
**Three-peat?** No  
**CIP/Fund Code** 2607020002  
**Default Grade Mode** Letter Grade (G)  
**Alternate Grade Modes** Satisfactory/Unsatisfactory  
**Method of instruction** Lecture and Laboratory  
**Will sections of this course be taught as non-traditional? (i.e., parts of term, distance education)** No  
**Will this course be taught as a distance education course?** No  
**Is 100% of this course going to be taught in Texas?** Yes  
**Will classroom space be needed for this course?** Yes  

This will be a required course or an elective course for the following programs:

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**Required (select program)**  
**Elective (select program)**  
**Has/will this course be(en) submitted for core curriculum consideration?** No
Has/will this course been submitted for Writing or Communication consideration? No

Has/will this course been submitted for ICD or CD consideration? No

Course Syllabus

Syllabus: Upload syllabus

Upload syllabus

Letters of support or other documentation No Yes

Additional information

Reviewer Comments Terra Bissett (t.bissett) (09/21/18 10:23 am): Minor edits made to catalog prerequisites to comply with catalog style guide.

Sandra Williams (sandra-williams) (11/05/18 2:42 pm): UCC approved November 2018.

Reported to state? No

Key: 5894
MEMORANDUM

TO: Mr. Michael K. Young, President

THROUGH: Dr. Carol A. Fierke, Provost and Executive Vice President

FROM: Dr. Michael Benedik, Vice Provost

SUBJECT: December 11, 2017 Faculty Senate Items

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New Course Request, Course Change Request, Course Withdrawal Request, Course Inactivation and Change in Curriculum Request, Informational Review Items

Approval recommended. FS.35.101, FS.35.102; FS.35.103; FS.35.104; FS.35.111; FS.35.112; FS.35.113; FS.35.114; FS.35.115; FS.35.116; FS.35.117; FS.35.118; FS.35.119; FS.35.120; FS.35.121; FS.35.122; FS.35.123; FS.35.124; FS.35.125; FS.35.126; FS.25.127; FS.35.128; FS.35.129; FS.35.130; FS.35.131; FS.35.132; FS.35.133; FS.35.134; FS.35.135; FS.36.136; FS.35.137; FS.35.138; FS.35.139; FS.35.140; FS.35.141; FS.35.142; FS.35.143; FS.35.144; FS.35.145; FS.35.146; FS.147; FS.35.148; FS.35.149; FS.35.150; FS.35.151; FS.35.152.

FS.35.105: Recommend approval. School of Public Health, Department of Health Policy and Management, MHA-HADM: Master of Health Administration in Health Administration. Request to change SCHs from 57 SCH to 55 SCH. The change will strengthen the resident track curriculum and ensure consistency between the Resident track and Executive track for Commission on Accreditation of Healthcare Management Education accreditation. External Action: Request to Change Semester Credit Hours form will be submitted to the System for approval by the THECB.

FS.35.106: Recommend approval. College of Agriculture and Life Sciences, Department of Nutrition and Food Science, MS-FSTC: Master of Science in Food Science and Technology. The non-thesis MS Food Science & Technology option is being discontinued in favor of the MAGR Food Science & Technology. The MS Food Science & Technology with thesis will remain. No external action.

FS.35.107: Recommend approval. College of Education, Department of Educational Administration and Human Resource Development, PhD-EHRD: Doctor of Philosophy in Educational Human Resource Development. The request is an internal approval to change SCHs. The THECB Program Inventory [96 SCH] will not change. No external action.
FS.35.108: Recommend approval. School of Public Health, Department of Health Promotion and Community Health Sciences, CERT-CG58: Global Health-Certificate. Certificate requires 15 SCH, which does not surpass Texas Administrative Code, Chapter 5, Subchapter C, Section 5.48 allowed SCH. No external action.


FS.35.110: Recommend approval. Graduate Courses Taught in Non-traditional Formats-Spring 2018 - 2nd Request. Graduate Courses Taught in Non-traditional Formats-Spring 2018. All colleges within Texas A&M performed a comparison of the learning outcomes for distance education and non-traditional courses for equivalency to traditional face-to-face courses to determine if the courses met compliance to University Rule 11.03.99.M1. No external action required.

Attachments
## Course Change Request

**Viewing:** ENTO 428: Insect Biotechnology

**Faculty Senate Number**

FS.35.113

**Contact(s)**

<table>
<thead>
<tr>
<th>Name</th>
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<td><a href="mailto:annpool@tamu.edu">annpool@tamu.edu</a></td>
<td>979-845-0122</td>
</tr>
</tbody>
</table>

**Rationale for Course**

- **Edit**
  - **Other**
    - The proposed changes are part of a routine curriculum review.
    - The proposed changes are the result of teaching the maximum allowed times for a temporary course.

**Explain other rationale**

- addition to prerequisites

**Course prefix**

ENTO

**Course number**

428

**Department**

Entomology

**College/School**

Agriculture & Life Sciences

**Academic Level**

Undergraduate

**Undergraduate course level justification (Select One)**

- **Prerequisites**
  - All prerequisites will be enforced through COMPASS.

- **Academic Level (alternate)**
  - Graduate

- **Effective term**
  - 2019-2020
  - 2018-2019

**Complete Course Title**

Insect Biotechnology

**Abbreviated Course Title**

INSECT BIOTECHNOLOGY

**Catalog course description**

Applications of genetic engineering and biotechnology; specific problems dealing with insects and control of insect pests.

**Prerequisites and Restrictions**

- ENTO 429 or concurrent enrollment; GENE 301, GENE 315, **GENE 320** or **FIVS 308; GENE 320**. Junior or senior classification or approval of instructor.
### Concurrent Enrollment
No

### Should catalog prerequisites / concurrent enrollment be enforced?
Yes

### Enforced Prerequisites / Concurrent Enrollment

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<td>Or</td>
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<td>Or</td>
<td>FIVS 308</td>
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### Crosslistings
No

### Stacked
No

### Semester
3

### Contact Hour(s)
(per week):

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### Repeatable for credit?
No

### Three-peat?
No

### CIP/Fund Code
2608040002

### Default Grade Mode
Letter Grade (G)

### Alternate Grade Modes
Satisfactory/Unsatisfactory

### Method of instruction
Lecture

### Will sections of this course be taught as non-traditional? (i.e., parts of term, distance education)
No

### Will this course be taught as a distance education course?
No

### Is 100% of this course going to be taught in Texas?
Yes

### Will classroom space be needed for this course?
Yes

### This will be a required course or an elective course for the following programs:

**Required (select program)**

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**Elective (select program)**

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### Has/will this course be(en) submitted for
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**Course Syllabus**

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<tr>
<td>Letters of support or other documentation</td>
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</tr>
<tr>
<td>Additional information</td>
<td></td>
</tr>
<tr>
<td>Reviewer Comments</td>
<td>Sandra Williams (sandra-williams) (11/05/18 2:42 pm): UCC approved November 2018.</td>
</tr>
<tr>
<td>Reported to state?</td>
<td>No</td>
</tr>
</tbody>
</table>

Key: 5897
MEMORANDUM

TO: Mr. Michael K. Young, President

THROUGH: Dr. Carol A. Fierke, Provost and Executive Vice President

FROM: Dr. Michael Benedik, Vice Provost

SUBJECT: December 11, 2017 Faculty Senate Items

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Approval recommended. FS.35.101, FS.35.102; FS.35.103; FS.35.104; FS.35.111; FS.35.112; FS.35.113; FS.35.114; FS.35.115; FS.35.116; FS.35.117; FS.35.118; FS.35.119; FS.35.120; FS.35.121; FS.35.122; FS.35.123; FS.35.124; FS.35.125; FS.35.126; FS.25.127; FS.35.128; FS.35.129; FS.35.130; FS.35.131; FS.35.132; FS.35.133; FS.35.134; FS.35.135; FS.36.136; FS.35.137; FS.35.138; FS.35.139; FS.35.140; FS.35.141; FS.35.142; FS.35.143; FS.35.144; FS.35.145; FS.35.146; FS.147; FS.35.148; FS.35.149; FS.35.150; FS.35.151; FS.35.152.

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Attachments
Course Change Request

Date Submitted: 10/09/18 6:35 pm

Viewing: **ESET IDIS-300** : Industrial Electricity

Also listed as: **IDIS-300**

Formerly known as: **IDIS 300**

Last approved: 04/07/18 3:23 am

Last edit: 10/09/18 6:35 pm

Changes proposed by: mdjohnson

### Contact(s)

<table>
<thead>
<tr>
<th>Name</th>
<th>E-mail</th>
<th>Phone</th>
</tr>
</thead>
<tbody>
<tr>
<td>Michael Johnson</td>
<td><a href="mailto:mdjohnson@tamu.edu">mdjohnson@tamu.edu</a></td>
<td>979-845-4902</td>
</tr>
</tbody>
</table>

### Rationale for Course Edit

The proposed changes are part of a routine curriculum review.

#### Course prefix

- **ESET IDIS**

#### Course number

- 300

#### Department

- Eng Tech & Ind Distribution

#### College/School

- College of Engineering

#### Academic Level

- Undergraduate

#### Undergraduate course level justification (Select One)

- Prerequisites

- All prerequisites will be enforced through COMPASS.

#### Effective term

- **2019-2020 2018-2019**

#### Complete Course Title

- Industrial Electricity

#### Abbreviated Course Title

- INDUSTRIAL ELECTRICITY

### Catalog course description

Industrial applications of electrical theory, codes, circuitry, wiring devices, motors and controllers, switch gear and solid state controls.

#### Prerequisites and Restrictions

- PHYS 207; grade of C or better in ENGR 217 or PHYS 217; junior or senior classification in industrial distribution or engineering technology.

#### Should catalog prerequisites?

- Yes

---

In Workflow

1. ETID Department Head
2. Curricular Services Review
3. EN Committee Preparer UG
4. EN Committee Chair UG
5. EN College Dean UG
6. UCC Preparer
7. UCC Chair
8. Faculty Senate Preparer
9. Faculty Senate
10. Provost II
11. President
12. Curricular Services
13. Banner

### Approval Path

1. 10/09/18 7:49 pm
   - Reza Langari (rlangari):
     - Approved for ETID Department Head
2. 10/11/18 3:55 pm
   - Terra Bisse (t.bisse):
     - Approved for Curricular Services Review
3. 10/18/18 5:28 pm
   - Eileen Hoy (ehoy):
     - Approved for EN Committee Preparer UG
4. 10/18/18 5:55 pm
   - Prasad Enje (enje):
     - Approved for EN Committee Chair UG
5. 10/18/18 5:57 pm
   - Prasad Enje (enje):
     - Approved for EN College Dean UG
6. 10/19/18 2:17 pm
   - Sandra Williams (sandra-williams):
     - Approved for UCC Preparer
7. 11/05/18 2:43 pm
   - Sandra Williams (sandra-williams):
     - Approved for UCC Chair

### History

1. Mar 13, 2018 by Jay Porter (jporter)
2. Mar 30, 2018 by Terra Bisse (t.bisse)
# ESET 300: Industrial Electricity

## Enforced Prerequisites / Concurrent Enrollment

<table>
<thead>
<tr>
<th>And/Or</th>
<th>Course Prefix/Number</th>
<th>Min Grade/Score</th>
<th>Academic Level</th>
<th>Concurrency?</th>
</tr>
</thead>
<tbody>
<tr>
<td>{</td>
<td>PHYS 207</td>
<td>D</td>
<td>UG</td>
<td></td>
</tr>
<tr>
<td>Or</td>
<td>PHYS 208</td>
<td>D</td>
<td>UG</td>
<td></td>
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<tr>
<td>Or</td>
<td>PHYS 219</td>
<td>D</td>
<td>UG</td>
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<tr>
<td>And</td>
<td>{</td>
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<tr>
<td></td>
<td>ENGR 217</td>
<td>C</td>
<td>UG</td>
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<tr>
<td>Or</td>
<td>PHYS 217</td>
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<tr>
<td>Or</td>
<td>PHYS 208</td>
<td>C</td>
<td>UG</td>
<td></td>
</tr>
<tr>
<td>Or</td>
<td>PHYS 219</td>
<td>C</td>
<td>UG</td>
<td></td>
</tr>
</tbody>
</table>

**Crosslistings:** No

**Stacked:** No

---

## Semester, Credit Hour(s)

<table>
<thead>
<tr>
<th>Semester</th>
<th>Credit Hour(s)</th>
<th>Contact Hour(s) (per week):</th>
</tr>
</thead>
<tbody>
<tr>
<td>4</td>
<td></td>
<td>Lecture: 3</td>
</tr>
</tbody>
</table>

**Repeatable for credit?** No

**CIP/Fund Code** 1503030019

**Default Grade Mode** Letter Grade (G)

**Method of instruction** Lecture and Laboratory

**Will sections of this course be taught as non-traditional?** No

**Will this course be taught as a distance education course?** No

**Is 100% of this course going to be taught in Texas?** Yes

**Will classroom space be needed for this course?** Yes

---

## Required (select program)

<table>
<thead>
<tr>
<th>Program(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>(BS-IDIS) Industrial Distribution - BS</td>
</tr>
<tr>
<td>(BS-MMET) Manufacturing and Mechanical Engineering Technology - BS</td>
</tr>
</tbody>
</table>

---

## Elective (select program)

<table>
<thead>
<tr>
<th>Has/will this course be(en) submitted for core curriculum consideration?</th>
</tr>
</thead>
<tbody>
<tr>
<td>No</td>
</tr>
</tbody>
</table>
Has/will this course be(en) submitted for Writing or Communication consideration? No

Has/will this course be(en) submitted for ICD or CD consideration? No

**Course Syllabus**

Syllabus: Upload syllabus

Upload syllabus [ESET 300.pdf](ESET 300.pdf)

Letters of support or other documentation No

Additional information 04.06.2018 - updates made to enforced prerequisite table to include previously listed PHYS courses as the college transitions to the new numbers. -sw

Reviewer Comments Sandra Williams (sandra-williams) (11/05/18 2:43 pm): UCC approved November 2018.

Key: 7976
1 Course Description

Applications of industrial electrical theory, codes, circuitry, wiring devices, motors and controllers, switch gear and solid state controls

2 Measurable Learning Outcomes

Students will be able to:

I) recognize charge, voltage, current, and power in electric circuits and machinery
II) calculate voltage, current, power, resistance, reactance, and impedance in a two-loop electrical circuit
III) identify series and parallel circuits and compute their electrical values
IV) solve electrical circuit parameters using ohm’s law, KVL, KCL, VDR, & CDR
V) describe functions of electrical generators and motors (all kinds, DC and AC, single-phase and three-phase)
VI) solve electrical values of wye-delta networks, Wheatstone bridge, transformers and VFDs
VII) identify electronic systems, components, and circuits used in electrical motor control
VIII) recognize and describe international standards for voltage and frequency used around the world

3 Prerequisites

PHYS 202, 208, 217, or 219
4 Required Material

II) Laboratory Manual IDIS300, Rev. C, Texas A&M Bookstore or Textbook Solutions

5 Grading

Laboratory reports, and examinations will be used to evaluate performance with the following weights:

- Lab (including lab safety) 40 %
- Midterm Examination 30 %
- Final examination 30 %
- Total 100 %

Letter grades will be assigned from the numerical total:

- A 90 - 100
- B 80 - 89
- C 70 - 79
- D 60 - 69
- F 0 - 59

For additional information on grading policies please visit: [http://student-rules.tamu.edu](http://student-rules.tamu.edu)

6 Examinations

There will be a midterm examination and a final examination. Each student may bring a calculator to each examination.

7 Homework

Homework will be periodically assigned after most class sessions, and will later be reviewed in class. Homework should be individually performed. It is recommended, however, that students form groups to work together to discuss how to approach each homework problem.
8 Attendance and Make-up Policy

If an absence is excused, the student will have an opportunity to make up any exam, or other work that contributes to the final grade or provide a satisfactory alternative by a date agreed upon by the student and instructor. The make-up work must be completed in a timeframe not to exceed 30 calendar days from the last day of the initial absence. The student is responsible for providing satisfactory evidence to the instructor to substantiate the reason for the absence. Among the reasons absences are considered excused by the university are the following:

(See Student Rule 7 for details: http://student-rules.tamu.edu/rule07). The fact that these are university-excused absences does not relieve the student of responsibility for prior notification and documentation. Failure to notify and/or document properly may result in an unexcused absence. Falsification of documentation is a violation of the Honor Code.

1) Participation in an activity that is required for a class and appears on the university authorized activity list at https://stuactonline.tamu.edu/app/sponsauth/index
2) Death or major illness in a student's immediate family.
3) Illness of a dependent family member.
4) Participation in legal proceedings or administrative procedures that require a student's presence.
5) Religious holy day. NOTE: Prior notification is NOT required.
6) Injury or illness that is too severe or contagious for the student to attend class.
   a) Injury or illness of three or more class days: Student will provide a medical confirmation note from his or her medical provider within one week of the last date of the absence (see Student Rules 7.1.6.1)
   b) Injury or illness of less than three class days: Student will provide both of these within one week of the last date of the absence:
      (i.) Texas A&M University Explanatory Statement for Absence from Class form available at http://attendance.tamu.edu
      (ii.) Confirmation of visit to a health care professional affirming date and time of visit.
   c) An absence for a non-acute medical service does not constitute an excused absence.
7) Required participation in military duties.
8) Mandatory admission interviews for professional or graduate school that cannot be rescheduled.
9) Mandatory participation as a student-athlete in NCAA-sanctioned competition.
10) In accordance with Title IX of the Educational Amendments of 1972, Texas A&M University shall treat pregnancy (childbirth, false pregnancy, termination of pregnancy and recovery therefrom) and related conditions as a justification for an excused absence for so long a period of time as is deemed medically necessary by the student’s physician. Requests for excused absence related to pregnancy should be directed to the instructor. In cases where prior notification is not feasible (e.g., accident or emergency) the student must provide notification by the end of the second working day after the absence, including an explanation of why notice could not be sent prior to the class.
   Accommodations sought for absences due to the observance of a religious holiday can be sought either prior or after the absence, but not later than two working days after the absence.
9 Late assignments

Late assignments will not be accepted without a University-approved excuse.

10 Americans with Disabilities Act

The Americans with Disabilities Act (ADA) is a federal anti-discrimination statute that provides comprehensive civil rights protection for persons with disabilities. Among other things, this legislation requires that all students with disabilities be guaranteed a learning environment that provides for reasonable accommodation of their disabilities. If you believe you have a disability requiring an accommodation, please contact Disability Services, currently located in the Disability Services building at the Student Services at White Creek complex on west campus or call 979-845-1637. For additional information visit http://disability.tamu.edu

11 Academic Integrity Statement and Policy-

“An Aggie does not lie, cheat or steal, or tolerate those who do.”
Aggie Honor Code statement and website link: http://aggiehonor.tamu.edu

12 Class Schedule

<table>
<thead>
<tr>
<th>Week</th>
<th>Chptr.</th>
<th>Topics</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>1-4</td>
<td>Chrg., Current &amp; Voltage, Units, Ohm &amp; Power Laws, DC series ckts, Voltage Divider</td>
</tr>
<tr>
<td>2</td>
<td>5-7,9</td>
<td>DC // ckts, Current Dividers, Series-//ckts, 164-6, Batteries, KVL, KCL, Short KVL, 110-3</td>
</tr>
<tr>
<td>3</td>
<td>9</td>
<td>Y-Delta ckts, 153-7, Thev./Norton Thms, 159-63, WheatBrdg, 166-7, MaxPwrThm, 167-8</td>
</tr>
<tr>
<td>4</td>
<td>10,11</td>
<td>EM Induct., DC Relays, Solenoids, 205-11, 13, 15-18, DCgen.&amp;mtrs, 229-42, LabMan., 111-18</td>
</tr>
<tr>
<td>5</td>
<td>12,13</td>
<td>Principles of alternating current, Inductance, Ch. 13, pp. 275-282</td>
</tr>
<tr>
<td>6</td>
<td>14,17</td>
<td>Capacitance, pp. 305-11, Complex numbers &amp; Impedance – RL, RC, RLC, pp. 392-396</td>
</tr>
<tr>
<td>7</td>
<td>15</td>
<td>Power, power factor, PF correction, pp. 340 – 345</td>
</tr>
<tr>
<td>8</td>
<td>18</td>
<td>AC circuit analysis with complex numbers, pp. 409 – 415, Complex power, pp. 416 – 421. Midterm Test (October 18th)</td>
</tr>
<tr>
<td>9</td>
<td>16</td>
<td>AC Motors (1 &amp; 3 phases), LabManual, pp. 113-16: AC motors, 117: AC Motor Plate Data</td>
</tr>
<tr>
<td>11</td>
<td>19,20</td>
<td>Transformers, pp. 455 – 460, 3-phase systems, pp. 474 – 481.</td>
</tr>
<tr>
<td>12</td>
<td>Ch. 11 in the PTDA Book – Outlines to be provided</td>
<td></td>
</tr>
<tr>
<td>13</td>
<td>Ch. 12 in the PTDA Book – Outlines to be provided</td>
<td></td>
</tr>
<tr>
<td>14</td>
<td>Ch. 13 in the PTDA Book – Outlines to be provided</td>
<td></td>
</tr>
</tbody>
</table>
13 Laboratory Schedule

<table>
<thead>
<tr>
<th>WEEK</th>
<th>LAB WORK</th>
</tr>
</thead>
</table>
| 1    | Lab 0: - Lab Introduction  
      | Lab 1: - Measurement Techniques  
      | Lab 2: - DC Series Circuits and Principles |
| 2    | Lab 3: - DC Parallel Circuits and Principles |
| 3    | Lab 4: - Series-Parallel Circuits & KVL-KVC Principles |
| 4    | Lab 5: - DC Motors & Dynamic Braking  
      | Lab 6: - DC Permanent Magnet Motor |
| 5    | Lab 7: - AC Analysis  
      | Lab 8: - RC, RL, RLC And Power Factor (Simulation) |
| 6    | Lab 8: - RC, RL, RLC And Power Factor (Practical)  
      | Lab 9: - Relays |
| 7    | Lab 10: - AC Motor Starters  
      | Lab 11: - Single Phase AC Motors and Rotation |
| 8    | Lab 12: - Capacitor Principles and RC Transients |
| 9    | Lab 13: - Single Phase Transformers |
| 10   | Lab 14: - DEMO - Motor - DC Generator  
      | Lab 15: - DEMO - Motor/3- Phase Generator  
      | Lab 16: - DEMO - VFD - Variable Frequency Drive |
| 11   | MAKE UP LABS (Points are deducted) |
| 12   | LAB Finals |
Course Change Request

Viewing: ESET IDIS-400 : Industrial Automation

Also listed as: IDIS-400

Formerly known as: IDIS 400

Last approved: 03/13/18 3:28 am

Last edit: 10/11/18 4:44 pm

Changes proposed by: mdjohnson

Catalog Pages referencing this course

- IDIS 400: Department of Engineering Technology and Industrial Distribution
  IDIS - Industrial Distribution (IDIS)

Programs referencing this course

- ESET 400: BS-IDIS: Industrial Distribution - BS

Contact(s)

<table>
<thead>
<tr>
<th>Name</th>
<th>E-mail</th>
<th>Phone</th>
</tr>
</thead>
<tbody>
<tr>
<td>Michael Jay Porter</td>
<td><a href="mailto:mdjohnson@tamu.edu">mdjohnson@tamu.edu</a></td>
<td>979-845-1469</td>
</tr>
<tr>
<td></td>
<td><a href="mailto:jporter@tamu.edu">jporter@tamu.edu</a></td>
<td></td>
</tr>
</tbody>
</table>

Rationale for Course

Edit

The proposed changes are part of a routine curriculum review.

Course prefix: ESET IDIS  Course number: 400

Department: Eng Tech & Ind Distribution

College/School: College of Engineering

Academic Level: Undergraduate

Undergraduate course level justification (Select One)

Prerequisites

All prerequisites will be enforced through COMPASS.


Complete Course Title

Industrial Automation

Abbreviated Course Title

INDUSTRIAL AUTOMATION

Catalog course description

Industrial applications of electronic devices; instrumentation; AC and DC drives; local area networks; cell and area controllers and advanced applications of programmable controllers.

Prerequisites and Restrictions

Grade of C or better in ESET IDIS 300; junior or senior classification in industrial distribution.

Should catalog prerequisites / Yes

In Workflow

1. ETID Department Head
2. Curricular Services Review
3. EN Committee Preparer UG
4. EN Committee Chair UG
5. EN College Dean UG
6. UCC Preparer
7. UCC Chair
8. Faculty Senate Preparer
9. Faculty Senate
10. Provost II
11. President
12. Curricular Services
13. Banner

Approval Path

1. 10/09/18 7:50 pm
   Reza Langari (rlangari): Approved for ETID Department Head

2. 10/11/18 4:29 pm
   Terra Bissett (t.bissett): Rollback to Initiator

3. 10/11/18 4:45 pm
   Michael Johnson (mdjohnson): Approved for ETID Department Head

4. 10/12/18 9:24 am
   Sandra Williams (sandra-williams): Approved for Curricular Services Review

5. 10/18/18 5:28 pm
   Eileen Hoy (ehoy): Approved for EN Committee Preparer UG

6. 10/18/18 5:55 pm
   Prasad Enje (enje): Approved for EN Committee Chair UG

7. 10/18/18 5:57 pm
   Prasad Enje (enje): Approved for EN College Dean UG

8. 10/19/18 2:18 pm
   Sandra Williams (sandra-williams): Approved for UCC Preparer

9. 11/05/18 2:43 pm
   Sandra Williams

https://nextcatalog.tamu.edu/courseleaf/approve/?role=Faculty%20Senate
Enforced Prerequisites / Concurrent Enrollment

<table>
<thead>
<tr>
<th>And/Or</th>
<th>Course Prefix/Number</th>
<th>Min Grade/Score</th>
<th>Academic Level</th>
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<tr>
<td></td>
<td>ESET IDIS 300</td>
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<td>UG</td>
<td>No</td>
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</tbody>
</table>

Crosslistings: No
Crosslisted With: No
Stacked: No
Stacked with: No

Semester: 4
Credit: 4
Hour(s): Contact Hour(s) (per week):
Lecture: 3
Lab: 2
Other: 0
Total: 5

Repeatable for credit? No
CIP/Fund Code: 1506120019
Default Grade Mode: Letter Grade (G)
Method of instruction: Lecture and Laboratory
Will sections of this course be taught as non-traditional? (i.e., parts of term, distance education) No

Will this course be taught as a distance education course? No
Is 100% of this course going to be taught in Texas? Yes
Will classroom space be needed for this course? Yes

This will be a required course or an elective course for the following programs:

<table>
<thead>
<tr>
<th>Program(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>(BS-IDIS) Industrial Distribution - BS</td>
</tr>
</tbody>
</table>

Has/will this course be(en) submitted for core curriculum consideration? No
Has/will this course be(en) submitted for Writing or
Communication consideration?

Has/will this course been submitted for ICD or CD consideration?

No

Course Syllabus

Syllabus: Upload syllabus

Upload syllabus

IDIS-400_Sep22_2017_Rev.pdf
ESET 400.pdf

Letters of support or other documentation

No

Additional information

Reviewer Comments

Terra Bissett (t.bissett) (10/11/18 4:29 pm): Rollback: Syllabus: please update prefix throughout syllabus; missing link to student rule 7 (http://student-rules.tamu.edu/rule07).
Sandra Williams (sandra-williams) (10/12/18 9:24 am): Update received.
Sandra Williams (sandra-williams) (11/05/18 2:43 pm): UCC approved November 2018.
TEXAS A&M UNIVERSITY
ESET 400-Industrial Automation
Fall 2018 Syllabus
SECTIONS 501 & 512

Instructor: Pat Wallace
Industrial Distribution Program
Email: pat.wallace@tamu.edu   Tel: 979-845-4660

Class Schedules:
Sections 501 – 504:  MW 4:10 PM – 5:25 PM (ZACH 442)
Sections 505 – 508:  TR 2:20 PM – 3:35 PM (ZACH 441)
Sections 509 – 512: MW 1:50 PM – 2:40 PM (ZACH 441)

Lab Schedules:
501 = F 10:00 – 11:50 AM  Thompson 115C  Lab TA: Samin
502 = T 10:00 – 11:50 AM  Thompson 115C  Lab TA: Amrita
503 = T 12:00 – 1:50 PM  Thompson 115C  Lab TA: Amrita
504 = W 8:00 – 9:50 PM  Thompson 115C  Lab TA: Samin
505 = F 12:00 – 1:50 PM  Thompson 115C  Lab TA: Samin
506 = R 10:00 – 11:50 AM  Thompson 115C  Lab TA: Amrita
507 = W 10:00 – 11:50 AM  Thompson 115C  Lab TA: Samin
508 = F 4:00 – 5:50 PM  Thompson 115C  Lab TA: John
509 = T 6:05 – 7:55 PM  Thompson 115C  Lab TA: Amrita
510 = M 10:00 – 11:50 AM  Thompson 115C  Lab TA: John
511 = F 6:00 – 7:50 PM  Thompson 115C  Lab TA: John
512 = M 6:05 – 7:55 PM  Thompson 115C  Lab TA: John

Office and Hours:
Room 304B, Fermier Hall
11:00 – 1:30 M-F or by appointment

TA's: 
Amrita Bal   (Email: abal@tamu.edu)
Zhong (John) Chen   (Email: Zhongchen@tamu.edu)
Samin Moosavi   (Email: saminmoosavi@tamu.edu)


E-Communication:
E-mail and e-campus will be the primary sources of communication for the class information,
assignments, handouts and announcements. Therefore, it is the student’s responsibility to check his/her
e-mails and e-campus on a regular basis.

Prerequisites:  Successful completion of ESET 300

Textbooks:
Required:
ISBN 978-1-111-54409-6
Lab Manual, TAMU Book Store or Textbooks Solutions

Course Notes, Available on e-campus – these may be modified during the semester as new material or
activities are developed.

Course Description:
Applications of industrial automation, theory and practice using Allen-Bradley PLCs, and RSLogix™5000
software, I/O modules, Processor Unit, Memory Organization, Ladder Diagrams, Programming with
RSLogix™5000, Timers, Counters, Data Manipulation, Math Functions, PID control, and Communication
Networks.

Page 1 of 7
Course Topics

1. Describe components and function of a PLC.
2. Identify circuit of input and output modules of a PLC as well as their electronic components.
3. Write, T/S, download, and run ladder programs to solve simulated problems with a PLC.
4. Compute conversions between decimal, hexadecimal, octal, binary & BCD number systems.
5. Write negative numbers using signed-binary-numbers.
6. Write ladder programs using Timers and Counters to solve simulated problems with a PLC.
7. Incorporate data move, data compare and math functions to the ladder programs to solve problems with a PLC.
8. Apply Proportional + Integral + Derivative (PID) theory to design stable systems in engineering.
9. Recognize hardware, software, & systems used in communication networks between PLCs.

Learning Outcomes and Course Objectives

1. Select and apply knowledge and skills to write, troubleshoot, download, and run ladder programs (including input/output devices, timers, counters, data move, data compare and math functions) to solve simulated problems with a PLC.
2. To conduct, analyze, and interpret experiments using a PLC.
3. To apply experiments using a PLC to improve results of an intended task.
4. To function effectively when working in a PLC team.
5. Select and apply knowledge of compute number system conversions (decimal, hexadecimal, octal, signed/binary and BCD) in order to incorporate it to ladder programs to solve PLC problems.
6. Apply Proportional + Integral + Derivative (PID) theory to design stable systems in engineering using a PLC.
7. Recognize hardware, software, and systems used in digital logical communications NETWORK between PLCs.

Note: If you are having difficulty during this course, please come and talk to me. I will be available every day during the semester and I am very interested in you being able grasp of the course material. I will do my best to help you achieve these learning outcomes and course objectives.
Course Format:
The course will consist of readings from the text, lectures, labs, and exams as shown in the table below.

<table>
<thead>
<tr>
<th>Wk</th>
<th>Wk</th>
<th>Topics</th>
<th>Text Chapter</th>
<th>Pages (Reading homework)</th>
<th>Homework</th>
<th>Lab practices</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Aug. 27 - 31</td>
<td>Course Overview What is a PLC? Input/Output Section</td>
<td>Ch. 1/Ch. 2</td>
<td>Ch 1: All: 1-9 &amp; 28-29 Ch 2: 10-29 &amp; 28,29</td>
<td>Ch 1: All: 1-10 Ch 2: 1-4,6,11,14</td>
<td>No Lab August 27 – 28th</td>
</tr>
<tr>
<td>2</td>
<td>Sep. 3 - 7</td>
<td>The Processor Unit Memory Organization</td>
<td>Ch. 3/Ch. 4</td>
<td>Ch 3: 4:4-48,52,54,59 Ch 4: 61,62,74,75,76,96,97 &amp; Addressing Format in Lab Manual</td>
<td>Ch 3: 1-3&amp; 13-15 Ch 4: 2-3</td>
<td>Lab Intro. – Rules, equipment, security. Lab 1 – Logic Circuits Lab 2 – Transition – Hardwiring vs. PLC</td>
</tr>
<tr>
<td>3</td>
<td>Sep. 10 - 14</td>
<td>Ladder Diagrams</td>
<td>Ch. 6</td>
<td>Ch 6: 121-138</td>
<td>Ch 6: 1-10 &amp; 13</td>
<td>Lab 3 – Ladder Schematics and Diagrams</td>
</tr>
<tr>
<td>4</td>
<td>Sep. 17 - 21</td>
<td>Relay Type Instructions</td>
<td>Ch. 7</td>
<td>Ch 7: 139-147 Examine On/Off in Lab Manual</td>
<td>Ch 7: 1-7</td>
<td>Lab 4– Intro to RSLogix 5000 Software and ControlLogix 5550</td>
</tr>
<tr>
<td>5</td>
<td>Sep. 24 - 28</td>
<td>Numbering System Review for Test 1 Wed/Thu: Test 1: Ch. 1-4, 6 &amp; Labs 1-4</td>
<td>Ch. 5</td>
<td>Ch 5: 98-118</td>
<td>Ch 5: 1-14</td>
<td>Lab 5: Advanced Ladder Diagrams</td>
</tr>
<tr>
<td>6</td>
<td>Oct. 1 - 5</td>
<td>Timers</td>
<td>Ch. 11/Ch. 12</td>
<td>Ch 11: 223-229 &amp; 231-234 Timers in Lab Manual</td>
<td>Ch 11: 2-7</td>
<td>Lab 6</td>
</tr>
<tr>
<td>9</td>
<td>Oct. 22 - 26</td>
<td>Math Functions Review for Test 2 Wed/Thu: Test 2: Ch. 7, 11-14 &amp; Labs 5-7</td>
<td>Ch. 14</td>
<td>Ch 14: 265 - 272</td>
<td>Ch 14: 1,2 &amp; 4-8</td>
<td>Lab make-up</td>
</tr>
<tr>
<td>10</td>
<td>Oct. 29 - Nov. 2</td>
<td>Programming Considerations</td>
<td>Ch. 9</td>
<td>Ch 9: 192-201 &amp; 205-206</td>
<td>Ch 9: 1-5 &amp; 7</td>
<td>Lab B: (B) Timers, Counters, &amp; Arith. Combinations Lab 9, 10, 12 – DEMOs</td>
</tr>
<tr>
<td>11</td>
<td>Nov. 5 - 9</td>
<td>Program Control Instructions</td>
<td>Ch. 10</td>
<td>Ch 10: All</td>
<td>Ch 10: All</td>
<td>Project Week – Conference Room Problem</td>
</tr>
<tr>
<td>12</td>
<td>Nov. 12 - 16</td>
<td>MO6: PID Control Review for Test 3 Wed/Thu: Test 3: Ch. 5, 9-10 &amp; Labs 8-10</td>
<td>Ch. 17</td>
<td>Ch 17: Read pages needed to answer questions 1-4. PID Control in Lab Manual</td>
<td>Ch 17: 1-4</td>
<td>Project Week – Conference Room Problem</td>
</tr>
<tr>
<td>13</td>
<td>Nov. 19 - 20</td>
<td>Mon/Tue: Student Papers Due PID Control continued</td>
<td>Reference Ch 20: 358-392 Individual Paper Submission</td>
<td>Mon &amp; Tue: Last chance to show Final Project assignment to your TA.</td>
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<tr>
<td>N</td>
<td>Thanksgiving Holiday</td>
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<td>15</td>
<td>Dec. 3</td>
<td>Review for test 4</td>
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<td>16</td>
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<td>No lab.</td>
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<td>Dec. 5</td>
<td>Wednesday TEST 4: Ch.17, 20– Labs 9-12</td>
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<td>No lab.</td>
</tr>
<tr>
<td>18</td>
<td>Dec. 7 - 12</td>
<td>No Final Exam</td>
<td></td>
<td></td>
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</tbody>
</table>

**Student Presentations:** Oral Presentations based on Chapter 20: Communication Networks. Topics will be assigned near the end of the semester. The grade will count as a lab grade.
Rules for the oral presentation:

1. Grade: Your presentation will be graded as follows:
   a. Written report from the team (required for a grade) 10 points
   b. Written peer evaluation (weight 30%) 27 points
   c. Subjective instructor evaluation (weight 70%) 63 points
2. Grade will count as a lab exercise
3. Four to Eight minute Power-Point presentation
4. Use Textbook as reference and look in the Internet and/or library to expand the presentation.
5. Use pictures and graphs to enhance your presentation. (From Internet and/or library)
6. Some questions of final test will come from these topics.
7. No humor (of any kind) is allowed during the presentations.
8. Attendance is not optional. If you do not attend and participate, you will get a zero for that lab assignment.
   Your peer evaluation will be my record of your attendance and participation. A form will be provided for your evaluation of the presentation. Remember that you will also be evaluated so be fair and professional to the other members of the class.

Student Final Project:
This is an individual project assigned to verify if each student is capable to write a simple PLC program, download it, and troubleshoot it. The student has to solve a Conference Room Energy Saving Problem. This is a compulsory task and fail to complete it earns an Incomplete. The grade will count as a lab grade.

Grading:

| Exam 1 | 15 % | A = 90 – 100 |
| Exam 2 | 15 % | B = 80 – 89 |
| Exam 3 | 15 % | C = 70 – 79 |
| Exam 4 | 15 % | D = 60 – 69 |
| Presentation | 10 % | F = 0 – 59 |
| Homework/Pop Quiz | 10 % | 89.5 is a B |
| Laboratory | 20 % | 79.5 is a C |
| Total | 100 % | 69.5 is a D |
| | | 59.5 is an F |
| | | Students will be allowed to use a 3” x 5” card with notes in selected tests. They can write anything on both sides of the card.
| | | If a student needs to use their cell phone for calls he/she has to leave the classroom as quiet as possible.

Exams: There will be 4 regular exams. Everybody must take the last exam when offered. The dates for the exams are in the tentative schedule. Missing test policy: If you have a valid reason, you can arrange with the instructor, prior to the exam, to take the test a day after the assigned exam date. If you miss a test and you have a valid excuse but cannot take the test within one day of assigned date, you must talk to the instructor to set a date.

"Documentation must be provided for excused absences. Written documentation from a medical professional is required in the event of an excused absence."

Pop Quizzes: Pop quizzes are used to determine mastery of topics covered in previous classes and will verify attendance and participation. These will be multiple-choice questions answered using the I-clicker system. Be sure to have your I-clicker registered to receive credit. It is your responsibility to make sure you are getting credit. In the past, students lost a letter grade because they did not come to class or missed too many pop quiz questions.

Homework: Homework is assigned in the above class schedule table and/or additional activities as deemed necessary. It consists of readings and problems pertaining to the current lecture material. **Homework may be collected and graded at random.** Consider homework as preparation for tests and lab.

Laboratory: The lab is not optional. Any missed lab must be done on the following lab session. If you accumulate more than one missed lab, you can make-up one of them and a zero will be assigned to other missed labs. The student must have a grade of 70% or higher in the lab to pass the course. A lab grade below 70% will give an automatic “F” in the course. **EACH STUDENT MUST ATTEND LAB AT THE HOUR SHOWN IN HIS/HER REGISTRATION SLIP.** Lab grade formula: 50% Lab work + 20% Written report + 20% Quiz + 10% Safety.
**Quizzes:** Quizzes may be given during lectures and labs to determine how well a concept is understood.

**Classroom Expectations:**

1. You will try your best to come on time.
2. You are expected to be alert and attentive in class. Ask questions and participate in the class discussion.
3. Respect the instructor, your fellow students and the learning environment in the classroom.
4. Zachry Engineering is a new building with tons of technology. You are expected to treat the opportunity with respect by following the rules. This will be the first semester that students and faculty will be using this technology which means that there will be a steep learning curve for us all. As of this date, we have only had a brief chance to see the equipment and little training, so you can expect issues/problems to surface. This will require patience from both students and faculty. Just saying! It is hopeful that we can make good use of the technology which means that you will be able to use your laptops or tablets in class. However, these tools are for class work only. Everything else is considered in appropriate in the class and a distraction, so please wait until class is over.
5. Seating will be assigned after the first class because each table will form a collaboration team for the course.
6. The class arrangement is unique as you will see when you get to enter the building, which by design, is set for collaboration among team members. This means that you will be assigned to a team and workstation for the semester. Activities will be planned upon which you will be asked to present your solution and the rest of the class will be asked to evaluate your solution and seek best practices for a solution. This should be fun and more engaging than in past classes. We will see how this works out. You will be the pilot class for this teaching style.
7. Do not hesitate to discuss with the instructor if you have any questions. If you do not want to ask in the class, take advantage please arrange an appointment with the instructor.
8. If you attend class, it would be appreciated if you stay until the end. If you have to leave early for any reason, please let me know before the class and sit close to the door.
9. Keeping in mind building rules, please no food, drinks, tobacco products or animals (unless approved) within the classroom.
10. I will try my best to ensure there is a positive learning environment in the classroom. Let me know how I can help you to make your learning experience more enjoyable.

**Disabilities:**
The Americans with Disabilities Act (ADA) is a federal anti-discrimination statute that provides comprehensive civil rights protection for persons with disabilities. Among other things, this legislation requires that all students with disabilities be guaranteed a learning environment that provides for reasonable accommodation of their disabilities. If you believe you have a disability requiring an accommodation, please contact Disability Services, currently located in the Disability Services building at the Student Services at White Creek complex on west campus or call 979-845-1637. For additional information, visit [http://disability.tamu.edu](http://disability.tamu.edu).

**Aggie Code of Conduct:**
Students are expected to abide by the Aggie Honor Code: **“An Aggie does not lie, cheat or steal, or tolerate those who do.**” Academic dishonesty will not be tolerated and will be dealt with in accordance with Texas A&M University Regulations. [http://aggiehonor.tamu.edu/Rules-and-Procedures/Rules/Honor-System-Rules](http://aggiehonor.tamu.edu/Rules-and-Procedures/Rules/Honor-System-Rules)

**Excused Absences**
Absences will be excused only per Student Rule 7, which may be found at: [http://student-rules.tamu.edu/rule07](http://student-rules.tamu.edu/rule07)
Relation between ESET 400 Course Objectives and ABET Outcomes
An Industrial Distribution graduate has the following abilities at the time of graduation.

<table>
<thead>
<tr>
<th>Course Objective</th>
<th>IDIS Program Educational Outcome</th>
<th>Assessment Method</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>a b c d e f g h i j k l m</td>
<td></td>
</tr>
<tr>
<td>1. Select and apply knowledge and skills to write, troubleshoot, download, and run ladder programs (including input/output devices, timers, counters, data move, data compare and math functions) to solve simulated problems with a PLC.</td>
<td>H M</td>
<td>Exams 1-3 Labs 2-10 Project</td>
</tr>
<tr>
<td>2. To conduct, analyze, and interpret experiments using a PLC.</td>
<td>H H M M H M</td>
<td>Exams 1-3 Labs 2-10 Course Project</td>
</tr>
<tr>
<td>3. To apply experiments using a PLC to improve results of an intended task.</td>
<td>H H H M M M</td>
<td>Exams 1-3 Labs 2-10 Course Project</td>
</tr>
<tr>
<td>4. To function effectively when working in a PLC team.</td>
<td>H</td>
<td>All Labs Oral Presentations</td>
</tr>
<tr>
<td>5. Select and apply knowledge of compute number system conversions (decimal, hexadecimal, octal, signed/binary and BCD) in order to incorporate it to ladder programs to solve PLC problems.</td>
<td>H M H</td>
<td>Exam 3 Labs 7-8</td>
</tr>
<tr>
<td>6. Apply Proportional + Integral + Derivative theory to design stable systems in engineering using a PLC.</td>
<td>M M M</td>
<td>H</td>
</tr>
</tbody>
</table>

The following table indicates how this course contributes to the achievement of the overall programmatic educational outcomes. Entries with an “H”, “M”, and “L” refer to high, medium, and low relevancy respectively.
Laboratory Safety:
Basic Student Guidelines

Save this document for your own reference

Please read these Safety Guidelines, complete and sign the Lab Safety Agreement (LSA) on line using Howdy.

It is a requisite to complete the LSA on line before working in the lab.

Safety is a priority at Texas A&M University!
While it may seem unlikely that an accident could happen to you, you should know the accident rate in universities is 10 to 100 times greater than in the chemical industry. To help prevent accidents, safety notes are included in the lab manual. In addition, any relevant Material Safety Data Sheets (MSDS) are in a laboratory binder and guidelines are posted.

Pay close attention to this information – our goals are:

1. To avoid accidents in the lab, and
2. To respond promptly and appropriately should an accident occur.

Safety depends on you!
It is your responsibility to follow the instructions in the lab manual and any additional guidelines provided by your instructor. It is also your responsibility to be familiar with the location and operation of safety equipment such as eyewash units, showers, fire extinguishers, chemical spill cleanup kits etc.

General Laboratory Safety Guidelines
This is part of the ESET 300 and 400 Syllabus.

- Wear appropriate protective clothing. Do not wear open-toed shoes, sandals, or shirts with dangling sleeves. Tie back long hair and avoid dangling jewelry.
- Clean your workstation after each lab period, and return all equipment and materials to appropriate stations before leaving the lab.
- Always turn off the power before working on any electric circuit or electronic device.
- When operating with electric circuits and electronic devices other than just a computer, you must work in pairs or teams.
- When in doubt about the operation of any circuit or device in lab, always have an instructor check your work before connecting power to your system.
- Report any safety issues or violations that you are aware of as soon as possible to your course instructor and program director.
- Ensure that you have a safe buffer area around you and that you are working on an appropriate surface when using soldering irons in the lab.
- Always make sure that all lab equipment, soldering irons, project circuits are powered down before leaving your lab area.
- Ensure that your work environment is clear and free of debris before starting your work AND after finishing your project.
- Never block walkways in the laboratory with lab equipment, cables, and electrical power cords.
- Do not eat, drink, smoke, or apply cosmetics in the laboratory.
- Avoid all horseplay in the laboratory.
- Dispose of sharps waste properly — place broken glass in the glass discard container, metal in the metal waste container, and place other waste materials in the designated container(s). Secure all sharps, including needles, blades, probes, knives, etc.
Course Change Request

Date Submitted: 09/11/18 7:06 pm

Viewing: FINC 462: Commercial Bank Management

Last edit: 11/01/18 3:27 pm
Changes proposed by: tdye

Catalog Pages referencing this course
- Department of Finance
- FINC - Finance (FINC)

Faculty Senate Number

Contact(s)

<table>
<thead>
<tr>
<th>Name</th>
<th>E-mail</th>
<th>Phone</th>
</tr>
</thead>
<tbody>
<tr>
<td>Richard Dye</td>
<td><a href="mailto:tdye@tamu.edu">tdye@tamu.edu</a></td>
<td>9798453446</td>
</tr>
</tbody>
</table>

Rationale for Course Edit

The proposed changes are part of a routine curriculum review.

Course prefix  FINC  Course number  462

Department  Finance
College/School  Mays Business School
Academic Level  Undergraduate

Undergraduate course level justification (Select One)

Academic Level  Graduate
(alternate)

Effective term  2018-2019 Spring

Complete Course Title
Commercial Bank Management

Abbreviated Course Title
COMMERCIAL BANK MGMT

Catalog course description

Problems confronting commercial banks such as development and application of credit standards, decisions on loan applications, liquidity management and profit sensitivity to varying levels of interest rates.

Prerequisites and Restrictions
FINC 381 or concurrent enrollment.

Concurrent Enrollment  No
Should catalog prerequisites / concurrent enrollment be enforced?  Yes

In Workflow
1. FINC Department Head
2. Curricular Services Review
3. BA Committee Preparer UG
4. BA Committee Chair UG
5. BA College Dean UG
6. UCC Preparer
7. UCC Chair
8. Faculty Senate Preparer
9. Faculty Senate
10. Provost II
11. President
12. Curricular Services
13. Banner

Approval Path
1. 09/10/18 10:00 am
   Richard Dye (tdye): Approved for FINC Department Head
2. 09/10/18 3:33 pm
   Terra Bisset (t.bisset): Rollback to Initiator
3. 09/11/18 7:10 pm
   Richard Dye (tdye): Approved for FINC Department Head
4. 09/12/18 8:40 am
   Terra Bisset (t.bisset): Approved for Curricular Services Review
5. 10/03/18 9:37 am
   Jon Jasperson (jon.jasperson): Approved for BA Committee Preparer UG
6. 10/15/18 12:47 pm
   Jon Jasperson (jon.jasperson): Approved for BA Committee Chair UG
7. 10/17/18 12:55 pm
   Annie McGowan (al-mcgowan): Approved for BA College Dean UG
8. 10/17/18 7:24 pm
   Sandra Williams (sandra-williams): Approved for UCC Preparer
9. 11/05/18 2:43 pm
   Sandra Williams

https://nextcatalog.tamu.edu/courseleaf/approve/?role=Faculty%20Senate
Enforced Prerequisites / Concurrent Enrollment

<table>
<thead>
<tr>
<th>And/Or</th>
<th>Course Prefix/Number</th>
<th>Min Grade/Score</th>
<th>Academic Level</th>
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<th>Concurrency?</th>
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<td>Stacked</td>
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<th>Credit</th>
<th>Contact Hour(s) (per week):</th>
<th>Lecture:</th>
<th>Lab:</th>
<th>Other:</th>
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<td>3</td>
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<td>Lab: 0</td>
<td>Other: 0</td>
<td>Total 3</td>
<td></td>
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</table>

Repeatable for credit? | No
Three-peat? | No
CIP/Fund Code | 5208030016
Default Grade Mode | Letter Grade (G)
Alternate Grade Modes | Satisfactory/Unsatisfactory
Method of instruction | Lecture
Will sections of this course be taught as non-traditional? (i.e., parts of term, distance education) | Yes

Learning Outcomes

Meets traditional face-to-face learning outcomes.

Describe how learning outcomes are met or provide justification why they are not met.

Learning outcomes for the non-traditional sections are identical to those of traditional sections.

Hours

Meets traditional face-to-face hours.

Describe how hours are met or provide justification why they are not met.

Non-traditional section has 28 meetings of 1.25 hours each, plus a final exam, the same as a traditional TR or MW course. Non-traditional meetings will be spread out over parts of at least four weeks.

Will this course be taught as a distance education course? | No
Is 100% of this course going to be taught in Texas? | Yes
Will classroom space be needed for this course? | Yes

This will be a required course or an elective course for the following programs:

**Required (select program)**

<table>
<thead>
<tr>
<th>Program(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>(CERT-CU6) Commercial Banking - Certificate</td>
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</table>

**Elective (select program)**

<table>
<thead>
<tr>
<th>Program(s)</th>
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</thead>
<tbody>
<tr>
<td>(BBA-FINC) Finance - BBA</td>
</tr>
</tbody>
</table>
Has/will this course be(en) submitted for core curriculum consideration? No

Has/will this course be(en) submitted for Writing or Communication consideration? No

Has/will this course be(en) submitted for ICD or CD consideration? No

Course Syllabus

Syllabus: Upload syllabus

Upload syllabus 462sy_19A Non Traditional Update 20181101.pdf
462sy_19A Traditional Update 20181101.pdf

Letters of support or other documentation No

Additional information

Reviewer Comments Terra Bissett (t.bissett) (09/10/18 3:33 pm): Rollback: If requesting non-traditional format approval, you will need to attach a traditional syllabus and a non-traditional syllabus (if applicable).
Jim Herman (jherman) (10/31/18 8:53 am): Honor Code URL is incorrect.
Sandra Williams (sandra-williams) (11/05/18 2:43 pm): UCC approved November 2018.

Reported to state? No
Nature of Course

FINC 462 is an upper division elective in commercial banking. Commercial banking in the United States, as well as around the world, is undergoing rapid change due to changes in regulation, technology, and competitive pressures. Traditional banking focused on deposit taking and lending functions with fixed or regulated interest rates on these accounts; however, today’s banking environment can be described by a wide menu of financial services and potentially volatile interest rates. This more challenging operating environment has motivated an emphasis on the management of risk, including credit risk, interest rate risk, investment risk, liquidity risk, payments risk, etc. After completing this course, students should be able to

1. discuss the banking industry’s history of change in America, paying particular attention to regulatory changes in recent years, including prices, products, and geographic regulations.

2. recognize the different kinds of risk that banks manage and identify methods of controlling such risks.

3. list the wide variety of financial services provided by banks, including payments services, deposit taking, commercial lending, real estate lending, consumer lending, trust services, securities investment services, financial expertise, insurance services, etc.

4. evaluate recent developments affecting commercial banks within the context of news media, invited speakers, and classroom discussions.

The commercial banking industry has experienced unprecedented change in the last decade. In the process, financial innovation has accelerated in an effort to better manage multiple risks facing both banks themselves and their customers. International banking is also growing rapidly due to the expansion of trade around the world that has taken place subsequent to the fall of communism in many countries. More than ever before, educational training in bank management is needed to help prepare future financial services managers for the increasingly complex and dynamic financial marketplace.

Prerequisites

FINC 381 or concurrent enrollment. FINC 462-520 is a non-traditional section created for students in the Global Banking Track of the Aggies on Wall Street (AOWS) program, offered in a mini-mester format. For Spring 2019, classes will meet MTWR twice per day (9:35-10:50 and 11:10-12:25) for 14 days (April 11 through May 6), matching the 28 meetings offered in a traditional MW or TR class, with a final exam May 7.
Exams, Grading, Attendance, and Make-Up Policy

Three major exams will be given on the dates shown on the "Schedule of Assignments." Each exam is worth 100 points, for a maximum possible total of 300 points from exams.

Another important graded component will be a case study of a commercial bank. Each student will work in a team of three members to write a 15-20 page report on the bank (excluding figures, tables, and other exhibits). All teams will enter the Conference of State Bank Supervisors (CSBS) national case study competition. The report is a comprehensive case study of the bank, including history, organization, leadership, products and services, and financial condition. Also, the case will have a special emphasis on management and board succession. Students will make regular in-class presentations and produce a professionally-written case. Grading for the case will be as follows: work with bankers (50), in-class presentations (50 points), final report (100 points), for a maximum possible total of 200 points from the case study.

If you miss an exam without a valid, documented university excuse, you will receive a grade of zero on that exam. According to university policy, there are ten types of excused absences. These are listed in Texas A&M University Regulations and on the TAMU website at http://student-rules.tamu.edu/rule07.

You can make up a missed exam only if an absence is excused. To be considered excused, you must notify me in writing (acknowledged e-mail message is acceptable) prior to the date of absence, and provide appropriate documentation for the absence. In cases where advance notification is not feasible (for example, accident or emergency) you must provide notification by the end of the second working day after the absence, including an explanation of why notice could not be sent prior to the class. The fact that these are university-excused absences does not relieve you of responsibility for prior notification and documentation. Failure to notify and/or document properly may result in an unexcused absence. Falsification of documentation is a violation of the Honor Code.

Students are expected to attend all class meetings and read chapter assignments before the date shown in the "Schedule of Assignments." Students absent from class without a university excuse will be penalized 10 points per class missed.

The final grade will be based on total points earned out of 500 possible points (300 from exams and 200 from the case study): A 450 to 500, B 400 to 449, C 350 to 399, D 300 to 349, F below 300.

Academic Honesty
All students are expected to abide by the Aggie Honor Code: “An Aggie does not lie, cheat, or steal or tolerate those who do.” Please refer to https://aggiehonor.tamu.edu/ for further details.

ADA Policy Statement
The Americans with Disabilities Act (ADA) is a federal anti-discrimination statute that provides comprehensive civil rights protection for persons with disabilities. Among other things, this legislation requires that all students with disabilities be guaranteed a learning environment that provides for reasonable accommodation of their disabilities. If you believe you have a disability requiring an accommodation, please contact Disability Services, currently located in the Disability Services building at the Student Services at White Creek complex on west campus or call 979-845-1637. For additional information, visit http://disability.tamu.edu.
Other
We have a wonderful building with great facilities. Please make every effort to maintain this quality. NO BEVERAGES, FOOD, TOBACCO PRODUCTS, OR ANIMALS (UNLESS APPROVED) are permitted within the classroom.

Class Hours and Location
MTWR 9:35-10:50 and 11:10-12:25 from April 11 to May 6
MW WCBA 192
TR WCBA 185
Final Exam May 7

Office Hours
TBD, Room 351R Wehner.
Other office hours by appointment (call 845-4803 or contact me in class).
Email Address:  j-kolari@tamu.edu

Textbook and Readings
<table>
<thead>
<tr>
<th>Session</th>
<th>Date</th>
<th>Assignment</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>R Apr 11</td>
<td>Orientation and Chapter 1 – Functions and Forms of Banking</td>
</tr>
<tr>
<td>2</td>
<td>M 15</td>
<td>Chapter 2 – The Bank Regulatory Environment</td>
</tr>
<tr>
<td>3</td>
<td>T 16</td>
<td>Chapter 3 -- Evaluating Bank Performance and Bank Case</td>
</tr>
</tbody>
</table>
| 4       | W 17  | Chapter 4 – Bank Valuation  
Bank cases/Guest speaker from Conference of State Bank Supervisors                                                                            |
| 5       | R 18  | Chapter 5 – An Overview of Asset/Liability Management (ALM) and Exam #1                                                                      |
| 6       | M 22  | Chapter 6 – Techniques of Asset/Liability Management: Futures, Options, and Swaps                                                             |
| 7       | T 23  | Chapter 7 – Investment Management  
Chapter 11 – Liquidity Management/Bank case                                                                                       |
| 8       | W 24  | Chapter 13 – Liabilities Management  
Chapter 12 – Capital Management                                                                                                            |
| 9       | R 25  | Chapter 12 continued and Exam #2                                                                                                           |
| 10      | M 29  | Chapter 14 – Off-Balance Sheet Activities  
Chapter 15 – Securities, Investment, and Insurance Services                                                                                 |
| 11      | T 30  | Chapter 16 – Other Financial Services  
Chapter 17 – Electronic Banking                                                                                                             |
| 12      | W May 1 | Chapter 18 – Global Financial Services  
Chapter 9 – Commercial and Industrial Lending                                                                                               |
| 13      | R 2  | Bank Case Presentations                                                                                                                     |
| 14      | M 6  | Bank Case Presentations                                                                                                                     |
| 15      | T 7  | Bank Cases due by 5 pm and Exam #3                                                                                                          |
Nature of Course

FINC 462 is an upper division elective in commercial banking. Commercial banking in the United States, as well as around the world, is undergoing rapid change due to changes in regulation, technology, and competitive pressures. Traditional banking focused on deposit taking and lending functions with fixed or regulated interest rates on these accounts; however, today’s banking environment can be described by a wide menu of financial services and potentially volatile interest rates. This more challenging operating environment has motivated an emphasis on the management of risk, including credit risk, interest rate risk, investment risk, liquidity risk, payments risk, etc. After completing this course, students should be able to

(1) discuss the banking industry’s history of change in America, paying particular attention to regulatory changes in recent years, including prices, products, and geographic regulations.

(2) recognize the different kinds of risk that banks manage and identify methods of controlling such risks.

(3) list the wide variety of financial services provided by banks, including payments services, deposit taking, commercial lending, real estate lending, consumer lending, trust services, securities investment services, financial expertise, insurance services, etc.

(4) evaluate recent developments affecting commercial banks within the context of news media, invited speakers, and classroom discussions.

The commercial banking industry has experienced unprecedented change in the last decade. In the process, financial innovation has accelerated in an effort to better manage multiple risks facing both banks themselves and their customers. International banking is also growing rapidly due to the expansion of trade around the world that has taken place subsequent to the fall of communism in many countries. More than ever before, educational training in bank management is needed to help prepare future financial services managers for the increasingly complex and dynamic financial marketplace.

Prerequisites

FINC 381 or concurrent enrollment.

Exams, Grading, Attendance, and Make-Up Policy

Three major exams will be given on the dates shown on the "Schedule of Assignments." Each exam is worth 100 points, for a maximum possible total of 300 points from exams.

Another important graded component will be a case study of a commercial bank. Each student will work in a team of three members to write a 15-20 page report on the bank (excluding figures,
All teams will enter the Conference of State Bank Supervisors (CSBS) national case study competition. Students should work closely with a commercial bank that is a member of the Commercial Banking Program at Texas A&M University. The report is a comprehensive case study of the bank, including history, organization, leadership, products and services, and financial condition. Also, the case will have a special emphasis on management and board succession. Students will make regular in-class presentations and produce a professionally-written case. Grading for the case will be as follows: work with bankers (50), in-class presentations (50 points), final report (100 points), for a maximum possible total of 200 points from the case study.

If you miss an exam without a valid, documented university excuse, you will receive a grade of zero on that exam. According to university policy, there are ten types of excused absences. These are listed in Texas A&M University Regulations and on the TAMU website at http://student-rules.tamu.edu/rule07.

You can make up a missed exam only if an absence is excused. To be considered excused, you must notify me in writing (acknowledged e-mail message is acceptable) prior to the date of absence, and provide appropriate documentation for the absence. In cases where advance notification is not feasible (for example, accident or emergency) you must provide notification by the end of the second working day after the absence, including an explanation of why notice could not be sent prior to the class. The fact that these are university-excused absences does not relieve you of responsibility for prior notification and documentation. Failure to notify and/or document properly may result in an unexcused absence. Falsification of documentation is a violation of the Honor Code.

Students are expected to attend all class meetings and read chapter assignments before the date shown in the "Schedule of Assignments." Students absent from class without a university excuse will be penalized 10 points per class missed.

The final grade will be based on total points earned out of 500 possible points (300 from exams and 200 from the case study): A 450 to 500, B 400 to 449, C 350 to 399, D 300 to 349, F below 300.

**Academic Honesty**
All students are expected to abide by the Aggie Honor Code: “An Aggie does not lie, cheat, or steal or tolerate those who do.” Please refer to https://aggiehonor.tamu.edu/ for further details.

**ADA Policy Statement**
The Americans with Disabilities Act (ADA) is a federal anti-discrimination statute that provides comprehensive civil rights protection for persons with disabilities. Among other things, this legislation requires that all students with disabilities be guaranteed a learning environment that provides for reasonable accommodation of their disabilities. If you believe you have a disability requiring an accommodation, please contact Disability Services, currently located in the Disability Services building at the Student Services at White Creek complex on west campus or call 979-845-1637. For additional information, visit http://disability.tamu.edu.

**Other**
We have a wonderful building with great facilities. Please make every effort to maintain this quality. NO BEVERAGES, FOOD, TOBACCO PRODUCTS, OR ANIMALS (UNLESS APPROVED) are permitted within the classroom.
Class Hours and Location
TBD

Office Hours
TBD, Room 351R Wehner.
Other office hours by appointment (call 845-4803 or contact me in class).
Email Address: j-kolari@tamu.edu

Textbook and Readings
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<td>Bank cases/Michael L Stevens, Senior Executive Vice President</td>
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<td>Chapter 5 – An Overview of Asset/Liability Management (ALM)</td>
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<td>R 21</td>
<td>Richard Solomon, Senior Vice President, First Bank &amp; Trust East Texas</td>
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<td>Exam #3 TBD according to TAMU Final Exam Schedule</td>
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# Course Change Request

**Viewing:** GEOL 304: Igneous and Metamorphic Petrology

**Last approved:** 06/19/17 3:18 am  
**Last edit:** 09/21/18 4:40 pm 

Changes proposed by: david-w-sparks

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</thead>
<tbody>
<tr>
<td></td>
<td>David Sparks</td>
<td><a href="mailto:sparks@geo.tamu.edu">sparks@geo.tamu.edu</a></td>
<td>979-458-1051</td>
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Rationale for Course Edit

The proposed changes are to support major changes to an existing program. The proposed changes are part of a routine curriculum review.

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<td>Academic Level (alternate)</td>
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<td>Effective term</td>
<td>2019-2020, 2017-2018</td>
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**Complete Course Title**  
Igneous and Metamorphic Petrology

**Abbreviated Course Title**  
IGNEOUS & METAMORPHIC PETROLOG

Catalog course description

Origin and evolution of igneous and metamorphic rocks; identification, classification and petrographic analysis; relationships to tectonic settings; genetic processes inferred from laboratory studies and field occurrences.

Prerequisites and Restrictions

GEOL 203; CHEM 120, or CHEM 107 and CHEM 117, or equivalent. 117 or CHEM 102 and 112.

Concurrent Enrollment No

Should catalog prerequisites? Yes

---

https://nextcatalog.tamu.edu/courseleaf/approve/?role=Faculty%20Senate
Enforced Prerequisites / Concurrent Enrollment

<table>
<thead>
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<tr>
<td>Or And</td>
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Crosslistings: No
Stacked: No

Semester: 4
Credit Hour(s): 4
Contact Hour(s) (per week): Lecture: 3, Lab: 3, Other: 0, Total: 6
Repeatable for credit: No
Three-peat: No
CIP/Fund Code: 4006010002
Default Grade Mode: Letter Grade (G)
Alternate Grade Modes: Satisfactory/Unsatisfactory
Method of instruction: Lecture and Laboratory
Will sections of this course be taught as non-traditional? (i.e., parts of term, distance education): No
Will this course be taught as a distance education course: No
Is 100% of this course going to be taught in Texas: Yes
Will classroom space be needed for this course: Yes

This will be a required course or an elective course for the following programs:

Required (select program)

<table>
<thead>
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<th>Program(s)</th>
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<tbody>
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<td>(BS-GEOP) Geophysics - BS</td>
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Elective (select program)

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Has/will this course be(en) submitted for: No
## Course Syllabus

<table>
<thead>
<tr>
<th>Syllabus:</th>
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<tbody>
<tr>
<td>Upload syllabus</td>
<td>GEOL304_IgneousMetPetrology_Syllabus2.pdf</td>
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| Letters of support or other documentation | Yes |

| Additional information | Prerequisites changed to accommodate changes in Chemistry. The course prerequisites have been updated because this course is shifting from a third-year to a second-year course in our new curriculum. |

| Reviewer Comments | Terra Bissett (t.bissett) (09/21/18 4:42 pm): Minor edits made to catalog prerequisites and enforced prerequisite table to comply with catalog style guide. Sandra Williams (sandra-williams) (11/05/18 2:43 pm): UCC approved November 2018. |

| Reported to state? | No |
MEMORANDUM

TO: Mr. Michael K. Young
President

FROM: Dr. Karan L. Watson
Provost and Executive Vice President

SUBJECT: November 14, 2016 Faculty Senate Items

All of the attached November 2016 Faculty Senate items have been reviewed and approved by college, university curriculum, Faculty Senate and Office of the Provost.

New Course Requests, Course Change Requests, Course Withdrawal Requests, Change in Curriculum Requests, W Courses and Informational Items

Approval recommended. FS.34.92; FS.34.93; FS.34.94; FS.34.96; FS.34.97; FS.34.98; FS.34.99; FS.34.100; FS.34.101; FS.34.102; FS.34.103; FS.34.104; FS.34.105; FS.34.106; FS.34.107; FS.34.108; FS.34.109; FS.34.110; FS.34.111; FS.34.112; FS.34.113; FS.34.114; FS.34.115; FS.34.116; FS.34.117; FS.34.118; FS.34.119; FS.34.120; FS.34.121; FS.34.122; FS.34.123; FS.34.124; FS.34.125; FS.34.126; FS.34.127; FS.34.128; FS.34.129; FS.34.132; FS.34.134; FS.34.135; FS.34.95: Approval recommended. Dual Degree with Texas A&M University at Qatar and Hamad Bin Khalifa University (HBKU), Doctor of Philosophy in Chemical Engineering via 100% distance delivery, off-campus face-to-face at the Texas A&M University at Qatar campus, effective Fall 2017. The Texas Higher Education Coordinating Board (THECB) proposal is okay. The dual degree MOA is in draft form and is in review with Qatar Foundation and HBKU. The THECB proposal is dependent on finalizing the MOA. If the MOA is finalized, it must be submitted to the Southern Association of Colleges and Schools Commission on Colleges.

FS.34.130: Approval recommended. College of Agriculture and Life Sciences, new Certificate in Enology, CIP code 01.030900. The Certificate requires 12 SCH, which does not surpass the maximum SCH allowed per TAC Title 19, Chapter 5, Subchapter C, Rule §5.48. No external action required.

FS.34.131: Approval recommended. Special consideration item from Texas A&M University at Galveston, Department of Liberal Studies, BA-BS in University Studies- Tourism & Coastal Community Development Concentration. The THECB does not track concentrations. No external action required.
FS.34.133: Approval recommended. One course submitted for approval for a Core Curriculum course and as International and Cultural Diversity Designation. Eight courses submitted for approval for International and Cultural Diversity Designation and 23 courses submitted for approval for recertification as Core Curriculum courses.

FS.34.136: Approval recommended. Due to student academic preparation, demonstrated abilities and firsthand knowledge of the students in the College of Engineering, the departments within the COE would decide if GRE scores will be required for application to their graduate programs. Eliminating the GRE test requirement for the subset of high caliber students in the COE who apply to graduate programs can provide incentive for the students to remain at Texas A&M. Any COE BS student who did not apply for a COE graduate program prior to graduation will still be required to submit GRE scores.

FS.34.137: Approval recommended. Student Rule 14-Degree requirements.


FS.34.139: Review recommended. Resolution on Post-Tenure review.

Attachments
Course Change Request

Date Submitted: 09/21/18 3:27 pm

Viewing: **GEOL 306 : Sedimentology and Stratigraphy**

Last approved: 06/19/17 3:16 am  
Last edit: 09/21/18 3:27 pm

Changes proposed by: david-w-sparks

Contact(s)

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<tr>
<th>Name</th>
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<tr>
<td>David Sparks</td>
<td><a href="mailto:sparks@geo.tamu.edu">sparks@geo.tamu.edu</a></td>
<td>9794581051</td>
</tr>
<tr>
<td>Sandra Williams</td>
<td><a href="mailto:sandra-williams@tamu.edu">sandra-williams@tamu.edu</a></td>
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Rationale for Course

**Edit**

*The proposed changes are to support major changes to an existing program.*

*The proposed changes are part of a routine curriculum review.*

**Course prefix**  GEOL  
**Course number**  306

**Department**  Geology & Geophysics

**College/School**  Geosciences

**Academic Level**  Undergraduate

**Undergraduate course level justification (Select One)**

- Prerequisites

**Effective term**

- 2019-2020
- 2017-2018

**Complete Course Title**

- Sedimentology and Stratigraphy

**Abbreviated Course Title**

- SEDIMENTOLOGY & STRATIGRAPHY

**Catalog course description**

- Origin of sediments and sedimentary rocks; climate, weathering, and weathering products; transport, deposition, and depositional environments for sediments; field and laboratory studies in description and interpretation of genesis of sedimentary rocks; principles of stratigraphy and basin analysis; plate tectonics and the formation of sedimentary basins; stratigraphic nomenclature; geologic time and correlation; sequence stratigraphy and basin architecture.

**Prerequisites and Restrictions**

- CHEM 119 101 and CHEM 111 or equivalent; CHEM 107 and CHEM 117; PHYS 218; GEOL 152 or equivalent.

**Should catalog prerequisites / concurrent enrollment be enforced?**

- Yes

Approval Path

1. 09/07/18 2:13 pm  Michael Pope (mcpope): Rollback to Initiator
2. 09/07/18 4:29 pm  Michael Pope (mcpope): Approved for GEPL Department Head
3. 09/10/18 4:41 pm  Terra Bissett (t.bissett): Rollback to Initiator
4. 09/21/18 4:36 pm  Michael Pope (mcpope): Approved for GEPL Department Head
5. 09/21/18 4:49 pm  Terra Bissett (t.bissett): Approved for Curricular Services Review
6. 09/24/18 11:19 am  Roxanna Russell (rrussell): Approved for GE Committee Preparer UG
7. 09/24/18 1:37 pm  Christian Brannstrom (cbrannst): Approved for GE Committee Chair UG
8. 09/26/18 9:46 am  Christian Brannstrom (cbrannst): Approved for GE College Dean UG
9. 10/08/18 2:01 pm  Sandra Williams (sandra-williams):
Enforced Prerequisites / Concurrent Enrollment

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Crosslistings: No
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Stacked: No
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Repeatable for credit: No
CIP/Fund Code: 4006010002
Default Grade Mode: Letter Grade (G)
Method of instruction: Lecture and Laboratory
Will sections of this course be taught as non-traditional? (i.e., parts of term, distance education) No

Will this course be taught as a distance education course? No
Is 100% of this course going to be taught in Texas? Yes
Will classroom space be needed for this course? Yes

This will be a required course or an elective course for the following programs:

Required (select program)
GEOL 306: Sedimentology and Stratigraphy

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<td>(BS-GEOP) Geophysics - BS</td>
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<td>(BA-GEOL) Geology - BA</td>
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E lective (select program)

Has/will this course be(en) submitted for core curriculum consideration?  
No

Has/will this course be(en) submitted for Writing or Communication consideration?  
No

Has/will this course be(en) submitted for ICD or CD consideration?  
No

**Course Syllabus**

Syllabus: Upload syllabus

Upload syllabus  [GEOL306SedStrat_Syllabus.pdf](#)

Letters of support or other documentation

No Yes

Additional information

The course prerequisites have been adjusted updated to allow for reflect changes in CHEM courses, and use of the course preliminary courses in GEOL minor, the new curriculum.

Reviewer Comments

Michael Pope (mcpope) (09/07/18 2:13 pm): Rollback: Seems to be a mistake about prerequisites

Terra Bissett (t.bissett) (09/10/18 4:41 pm): Rollback: CHEM 119 is replacing CHEM 101 and CHEM 111, please include CHEM 119 in the catalog prerequisites. Should CHEM 101 and CHEM 111 remain in the catalog prerequisites or should it state CHEM 119 or equivalent?

Terra Bissett (t.bissett) (09/21/18 4:48 pm): Updates received.

Sandra Williams (sandra-williams) (11/05/18 2:43 pm): UCC approved November 2018.
Course Change Request

Date Submitted: 10/02/18 10:12 am

Viewing: GEOP 313: Geophysical Field Methods

Last approved: 03/31/17 3:10 am
Last edit: 10/02/18 12:07 pm

Changes proposed by: david-w-sparks

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</thead>
<tbody>
<tr>
<td>Name</td>
</tr>
<tr>
<td>David Sparks</td>
</tr>
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</table>

Rationale for Course Edit

The proposed changes are part of a routine curriculum review.

Course prefix: GEOP
Course number: 313

Department: Geology & Geophysics
College/School: Geosciences
Academic Level: Undergraduate

Undergraduate course level justification (Select One)
Prerequisites

All prerequisites will be enforced through COMPASS.

Academic Level (alternate): Graduate

Effective term: 2019-2020 2017-2018

Complete Course Title: Geophysical Field Methods
Abbreviated Course Title: GEOPHYSICAL FIELD METHODS

Catalog course description:
Planning, safe execution and analysis of applied geophysical surveying including magnetics, gravity, resistivity, induced polarization, seismic reflection, seismic refraction, ground-penetrating radar, frequency-domain and time-domain electromagnetic induction; experimental design, precise navigation, quality assurance and control, data management, elementary processing, error analysis and estimation, visualization and interpretation procedures.

Prerequisites and Restrictions:
GEOP 341; PHYS 206 and PHYS 207, or equivalent; MATH 308; MATH 308 and GEOI 250.

Concurrent Enrollment: No
Enforced Prerequisites / Concurrent Enrollment

<table>
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<th>Min Grade/Score</th>
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Crosslistings: No
Crosslisted With: 
Stacked: No
Stacked with: 

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Repeatable for credit? No
Three-peat? No
CIP/Fund Code: 4006040002
Default Grade Mode: Letter Grade (G)
Alternate Grade Modes: Satisfactory/Unsatisfactory
Method of instruction: Lecture and Laboratory
Will sections of this course be taught as non-traditional? (i.e., parts of term, distance education) No

Will this course be taught as a distance education course? No
Is 100% of this course going to be taught in Texas? Yes
Will classroom space be needed for this course? Yes

This will be a required course or an elective course for the following programs:

<table>
<thead>
<tr>
<th>(BS-GEOP) Geophysics - BS</th>
<th>Program(s)</th>
</tr>
</thead>
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https://nextcatalog.tamu.edu/courseleaf/approve/?role=Faculty%20Senate

(sandra-williams): Approved for UCC Chair

History
1. Mar 31, 2017 by David Sparks (david-w-sparks)
Elective (select program)

<table>
<thead>
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<tbody>
<tr>
<td>(BS-GEOL) Geology - BS</td>
</tr>
<tr>
<td>(BA-GEOL) Geology - BA</td>
</tr>
</tbody>
</table>

Has/will this course be(en) submitted for core curriculum consideration? No

Has/will this course be(en) submitted for Writing or Communication consideration? No

Has/will this course be(en) submitted for ICD or CD consideration? No

Course Syllabus

Syllabus: Upload syllabus

Upload syllabus [GEOP313GeopFieldMethods_Syllabus.pdf]

Letters of support or other documentation No Yes

Additional information: Changes to prerequisites because of changes in Physics courses.

Reviewer Comments

- Terra Bissett (t.bissett) (10/02/18 9:37 am): Syllabus not required for this type of change.
- Terra Bissett (t.bissett) (10/02/18 9:38 am): Rollback: If PHYS 207 and PHYS 206 are being added to enforced prerequisites, the courses will also need to be listed within the catalog prerequisites or make statements: PHYS 208 or equivalent; PHYS 218 or equivalent.
- Terra Bissett (t.bissett) (10/02/18 2:17 pm): Minor edits made to catalog prerequisites to comply with catalog style guide.
- Terra Bissett (t.bissett) (10/02/18 2:17 pm): Updates received.
- Sandra Williams (sandra-williams) (11/05/18 2:44 pm): UCC approved November 2018.

Reported to state? No

Key: 16794
MEMORANDUM

TO: Mr. Michael K. Young  
   President

FROM: Dr. Karan L. Watson  
       Provost and Executive Vice President

SUBJECT: November 14, 2016 Faculty Senate Items

All of the attached November 2016 Faculty Senate items have been reviewed and approved by college, university curriculum, Faculty Senate and Office of the Provost.

New Course Requests, Course Change Requests, Course Withdrawal Requests, Change in Curriculum Requests, W Courses and Informational Items

Approval recommended. FS.34.92; FS.34.93; FS.34.94; FS.34.96; FS.34.97; FS.34.98; FS.34.99; FS.34.100; FS.34.101; FS.34.102; FS.34.103; FS.34.104; FS.34.105; FS.34.106; FS.34.107; FS.34.108; FS.34.109; FS.34.110; FS.34.111; FS.34.112; FS.34.113; FS.34.114; FS.34.115; FS.34.116; FS.34.117; FS.34.118; FS.34.119; FS.34.120; FS.34.121; FS.34.122; FS.34.123; FS.34.124; FS.34.125; FS.34.126; FS.34.127; FS.34.128; FS.34.129; FS.34.132; FS.34.134; FS.34.135; FS.34.95: Approval recommended. Dual Degree with Texas A&M University at Qatar and Hamad Bin Khalifa University (HBKU), Doctor of Philosophy in Chemical Engineering via 100% distance delivery, off-campus face-to-face at the Texas A&M University at Qatar campus, effective Fall 2017. The Texas Higher Education Coordinating Board (THECB) proposal is okay. The dual degree MOA is in draft form and is in review with Qatar Foundation and HBKU. The THECB proposal is dependent on finalizing the MOA. If the MOA is finalized, it must be submitted to the Southern Association of Colleges and Schools Commission on Colleges.

FS.34.130: Approval recommended. College of Agriculture and Life Sciences, new Certificate in Enology, CIP code 01.030900. The Certificate requires 12 SCH, which does not surpass the maximum SCH allowed per TAC Title 19, Chapter 5, Subchapter C, Rule §5.48. No external action required.

FS.34.131: Approval recommended. Special consideration item from Texas A&M University at Galveston, Department of Liberal Studies, BA-BS in University Studies- Tourism & Coastal Community Development Concentration. The THECB does not track concentrations. No external action required.
FS.34.133: Approval recommended. One course submitted for approval for a Core Curriculum course and as International and Cultural Diversity Designation. Eight courses submitted for approval for International and Cultural Diversity Designation and 23 courses submitted for approval for recertification as Core Curriculum courses.

FS.34.136: Approval recommended. Due to student academic preparation, demonstrated abilities and firsthand knowledge of the students in the College of Engineering, the departments within the COE would decide if GRE scores will be required for application to their graduate programs. Eliminating the GRE test requirement for the subset of high caliber students in the COE who apply to graduate programs can provide incentive for the students to remain at Texas A&M. Any COE BS student who did not apply for a COE graduate program prior to graduation will still be required to submit GRE scores.

FS.34.137: Approval recommended. Student Rule 14—Degree requirements.


FS.34.139: Review recommended. Resolution on Post-Tenure review.

Attachments
Course Change Request

Date Submitted: 10/02/18 10:10 am

Viewing: GEOP 341: Fundamentals of Geophysics

Last approved: 06/19/17 3:20 am
Last edit: 10/02/18 2:28 pm

Changes proposed by: david-w-sparks

Faculty Senate Number: FS.34.97

Contact(s)

<table>
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<tr>
<th>Name</th>
<th>E-mail</th>
<th>Phone</th>
</tr>
</thead>
<tbody>
<tr>
<td>David Sparks</td>
<td><a href="mailto:sparks@geo.tamu.edu">sparks@geo.tamu.edu</a></td>
<td>979-458-1051</td>
</tr>
</tbody>
</table>

Rationale for Course

The proposed changes are to support major changes to an existing program.
The proposed changes are part of a routine curriculum review.

Course prefix: GEOP
Course number: 341

Department: Geology & Geophysics
College/School: Geosciences
Academic Level: Undergraduate
Undergraduate course level justification (Select One)

Effective term: 2019-2020, 2017-2018

Complete Course Title: Fundamentals of Geophysics
Abbreviated Course Title: FUNDAMENTALS OF GEOPHYSICS

Catalog course description:
The structure, composition and evolution of the earth; the concepts and application of various geophysical methods to infer earth structure, including seismology, gravity and geodesy, magnetics; generation of internal heat and heat loss; quantification of the driving forces of plate tectonics and isostatic topography.

Prerequisites and Restrictions:
PHYS 206 and PHYS 207, or equivalent; PHYS 216; MATH 308, 408; GEOL 210 and GEOL 150 or equivalent.

Concurrent Enrollment: No
Should catalog prerequisites /
Enforced Prerequisites / Concurrent Enrollment

<table>
<thead>
<tr>
<th>And/Or</th>
<th>Course Prefix/Number</th>
<th>Min Grade/Score</th>
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<td>And</td>
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<tr>
<td>Or And</td>
<td>PHYS 208 218</td>
<td>D</td>
<td>UG</td>
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</table>

Semester: 3  
Credit Hour(s): 3  
Contact Hour(s): Lecture: 2  Lab: 2  Other: 0  Total: 4  
Repeatable for credit? No  
Three-peat? No  
CIP/Fund Code: 4006030002  
Default Grade Mode: Letter Grade (G)  
Alternate Grade Modes: Satisfactory/Unsatisfactory  
Method of instruction: Lecture and Laboratory  
Will sections of this course be taught as non-traditional? (i.e., parts of term, distance education) No  
Will this course be taught as a distance education course? No  
Is 100% of this course going to be taught in Texas? Yes  
Will classroom space be needed for this course? Yes  
This will be a required course or an elective course for the following programs:

Program(s)
GEOP 341: Fundamentals of Geophysics

<table>
<thead>
<tr>
<th>Program(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>(BS-GEOP) Geophysics - BS</td>
</tr>
<tr>
<td>(BS-GEOL) Geology - BS</td>
</tr>
<tr>
<td>(BA-GEOL) Geology - BA</td>
</tr>
</tbody>
</table>

Elective (select program)

Has/will this course be(en) submitted for core curriculum consideration? No

Has/will this course be(en) submitted for Writing or Communication consideration? No

Has/will this course be(en) submitted for ICD or CD consideration? No

Course Syllabus

Syllabus: Upload syllabus

Upload syllabus: GEOP341FundGeop_Syllabus.pdf

Letters of support or other documentation: Yes

Additional information: The title is changing to Fundamentals of Geophysics, because the content will include an local-scale geophysical surveying as well as global-scale phenomena. The course description was updated to reflect this change in emphasis. The course prerequisites have been updated to ensure that students have the proper background, and because it is in a different place in the course sequence in our new curriculum.

Reviewer Comments

Terra Bissett (t.bissett) (10/02/18 9:50 am): Syllabus not required for this type of change.

Terra Bissett (t.bissett) (10/02/18 9:54 am): Rollback: PHYS 218 and PHYS 208 are currently enforced prerequisites. These courses will also need to be listed within the catalog prerequisites or make statements "or equivalent."

Terra Bissett (t.bissett) (10/02/18 2:28 pm): Minor edits made to catalog prerequisites to comply with catalog style guide.

Terra Bissett (t.bissett) (10/02/18 2:30 pm): Updates received.

Sandra Williams (sandra-williams) (11/05/18 2:44 pm): UCC approved November 2018.

Reported to state? No
MEMORANDUM

TO: Mr. Michael K. Young  
President

FROM: Dr. Karan L. Watson  
Provost and Executive Vice President

SUBJECT: November 14, 2016 Faculty Senate Items

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Approval recommended. FS.34.92; FS.34.93; FS.34.94; FS.34.96; FS.34.97; FS.34.98; FS.34.99; FS.34.100; FS.34.101; FS.34.102; FS.34.103; FS.34.104; FS.34.105; FS.34.106; FS.34.107; FS.34.108; FS.34.109; FS.34.110; FS.34.111; FS.34.112; FS.34.113; FS.34.114; FS.34.115; FS.34.116; FS.34.117; FS.34.118; FS.34.119; FS.34.120; FS.34.121; FS.34.122; FS.34.123; FS.34.124; FS.34.125; FS.34.126; FS.34.127; FS.34.128; FS.34.129; FS.34.132; FS.34.134; FS.34.135; FS.34.95: Approval recommended. Dual Degree with Texas A&M University at Qatar and Hamad Bin Khalifa University (HBKU), Doctor of Philosophy in Chemical Engineering via 100% distance delivery, off-campus face-to-face at the Texas A&M University at Qatar campus, effective Fall 2017. The Texas Higher Education Coordinating Board (THECB) proposal is okay. The dual degree MOA is in draft form and is in review with Qatar Foundation and HBKU. The THECB proposal is dependent on finalizing the MOA. If the MOA is finalized, it must be submitted to the Southern Association of Colleges and Schools Commission on Colleges.

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FS.34.137: Approval recommended. Student Rule 14—Degree requirements.


FS.34.139: Review recommended. Resolution on Post-Tenure review.

Attachments
Course Change Request

Date Submitted: 10/10/18 11:05 am

Viewing: **HIST 305**: Chicana/o History since 1848 Mexican-American History 1848-Present

Last edit: 10/11/18 4:53 pm
Changes proposed by: inojosa

Catalog Pages referencing this course
- Department of History
- HIST - History (HIST)

Programs referencing this course
- CERT-CU30: International Business Studies - Certificate
- CERT-CU36: Latin American Business - Certificate
- BA-SPAN: Spanish - BA
- BA-USLA-RGE*: University Studies - BA, Race, Gender, Ethnicity Concentration

Contact(s)

<table>
<thead>
<tr>
<th>Name</th>
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<th>Phone</th>
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<tbody>
<tr>
<td>Felipe Hinojosa</td>
<td><a href="mailto:fhinojosa@tamu.edu">fhinojosa@tamu.edu</a></td>
<td>9798457151</td>
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</table>

Rationale for Course

**Edit**

The proposed changes are part of a routine curriculum review.

Course prefix: HIST  
Course number: 305

Department: History

College/School: Liberal Arts

Academic Level: Undergraduate

Undergraduate course level justification (Select One)

College/Program Course Level Rubric

Academic Level (alternate): Graduate

Effective term: 2019-2020

Complete Course Title

Chicana/o History since 1848 Mexican-American History 1848-Present

Abbreviated Course Title

CHICANA/O HIST SINCE 1848 MEX-AM HIST 1848-PRES

Catalog course description

Social, economic and political evolution of Chicana/os Mexican Americans from 1848 to present; includes current issues, legacies of violence, adaptation to a harsh and isolated frontier—land tenure systems, racial discrimination, changing class relations, gender, civil rights, immigration, identity, and culture. systems; conflict in the new Southwest; change and continuity in society; immigration and settlement of Mexicans; emergence of various political movements; current issues.

Prerequisites and Restrictions

Concurrent Enrollment: No
Should catalog prerequisites be:
- No
concurrent enrollment be enforced?

Crosslistings No
Stacked No

Semester 3
Credit Hour(s) 3
Contact Hour(s) (per week): Lecture: 3 Lab: 0 Other: 0 Total 0

Repeatable for credit? No
Three-peat? No

CIP/Fund Code 5401010001
Default Grade Mode Letter Grade (G)
Alternate Grade Modes Satisfactory/Unsatisfactory

Method of instruction Lecture

Will sections of this course be taught as non-traditional? (i.e., parts of term, distance education) No

Will this course be taught as a distance education course? No

Is 100% of this course going to be taught in Texas? Yes

Will classroom space be needed for this course? Yes

This will be a required course or an elective course for the following programs:

Required (select program)
Elective (select program)

Has/will this course be(en) submitted for core curriculum consideration? No

Has/will this course be(en) submitted for Writing or Communication consideration? No

Has/will this course be(en) submitted for ICD or CD consideration? No

Course Syllabus
<table>
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<tr>
<th>Syllabus:</th>
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<td>Letters of support or other documentation</td>
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</tr>
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<td>Additional information</td>
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| Reviewer Comments  | **Terra Bissett [t.bissett] (10/11/18 4:52 pm):** Minor edits made to course description to comply with catalog style guide.  
**Sandra Williams [sandra-williams] (11/05/18 2:44 pm):** UCC approved November 2018. |
| Reported to state? | **No** |

Key: 7421
Course Change Request

Date Submitted: 09/17/18 8:59 am

Viewing: **ISEN 230: Informatics for Industrial Engineers**

Last edit: 09/18/18 4:05 pm
Changes proposed by: savannah.darbonne

<table>
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<td>Department of Industrial and Systems Engineering</td>
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<td>ISEN - Indus &amp; Systems Engr (ISEN)</td>
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As A Banner Prerequisite:

<table>
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<tbody>
<tr>
<td>Name</td>
</tr>
<tr>
<td>Savannah Darbonne</td>
</tr>
</tbody>
</table>

Rationale for Course

**Edit**

*The proposed changes are part of a routine curriculum review.*

**Course prefix**  
ISEN

**Course number**  
230

**Department**  
Industrial & Systems Eng

**College/School**  
College of Engineering

**Academic Level**  
Undergraduate

**Undergraduate course level justification (Select One)**

Prerequisites

*All prerequisites will be enforced through COMPASS.*

**Academic Level**  
Graduate

**Effective term**  
2019-2020

**Complete Course Title**  
Informatics for Industrial Engineers

**Abbreviated Course Title**  
INFORMATICS FOR INDUSTRIAL ENG

Catalog course description

Structured programming concepts for implementing mathematical and statistical models in industrial engineering problems; emphasis on introductory production and service system problems and computer-based approaches to solve the problems; engineering applications of probability and statistics concepts. **Concurrent enrollment in STAT 211.**

**Prerequisites and Restrictions**

CSCE 206, CSCE 111, CSCE 121, 206 or CSCE 110 or CSCE 111 or equivalent; concurrent enrollment in STAT 211. **CSCE 121 or equivalent.**

**Concurrent Enrollment**  
No

**Should catalog prerequisites /**  
Yes
### Enforced Prerequisites / Concurrent Enrollment

<table>
<thead>
<tr>
<th>And/Or</th>
<th>Course Prefix/Number</th>
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**Crosslistings**
- No  

**Stacked**
- No  

### Contact Hour(s) (per week):
- Lecture: 3  
- Lab: 0  
- Other: 0  
- Total: 3

**Repeatable for credit?**
- No

**Three-peat?**
- No

**CIP/Fund Code**
- 1435010006

**Default Grade Mode**
- Letter Grade (G)

**Alternate Grade Modes**
- Satisfactory/Unsatisfactory

**Method of instruction**
- Lecture

**Will sections of this course be taught as non-traditional? (i.e., parts of term, distance education)**
- No

**Will this course be taught as a distance education course?**
- No

**Is 100% of this course going to be taught in Texas?**
- Yes

**Will classroom space be needed for this course?**
- Yes

**This will be a required course or an elective course for the following programs:**
- Required (select program)
- Elective (select program)

**Has/will this course be(en) submitted for core curriculum consideration?**
- No

**Has/will this course be(en) submitted for Writing or**
Communication consideration?

Has/will this course be(en) submitted for ICD or CD consideration?

No

Course Syllabus

Syllabus:

Upload syllabus

Upload syllabus

Letters of support or other documentation

No

Additional information

Reviewer Comments

Terra Bisset (t.bisset) (09/18/18 4:08 pm): Edits made to prerequisites to comply with catalog style guide.

Sandra Williams (sandra-williams) (11/05/18 2:44 pm): UCC approved November 2018.

Reported to state?

No
Course Change Request

Date Submitted: 09/17/18 9:00 am

Viewing: ISEN 302: Economic Analysis of Engineering Projects

Last approved: 06/12/18 3:28 am
Last edit: 09/18/18 2:50 pm

Changes proposed by: savannah.darbonne

Catalog Pages referencing this course
- Department of Engineering Technology and Industrial Distribution
- Department of Industrial and Systems Engineering
- ISEN - Indus & Systems Engr (ISEN)
- MMET - Mfg & Mech Engr Tech (MMET)
- MINOR-ENPM: Engineering Project Management - Minor
- BS-MEEN: Mechanical Engineering - BS
- BS-NUEN: Nuclear Engineering - BS

Programs referencing this course

Faculty Senate Number: FS.36.011

Contact(s)

<table>
<thead>
<tr>
<th>Name</th>
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</tr>
</thead>
<tbody>
<tr>
<td>Savannah Darbonne</td>
<td><a href="mailto:savannah.darbonne@tamu.edu">savannah.darbonne@tamu.edu</a></td>
<td>979-862-9115</td>
</tr>
</tbody>
</table>

Rationale for Course
Edit
The proposed changes are part of a routine curriculum review.

Course prefix: ISEN
Course number: 302

Department: Industrial & Systems Eng
College/School: College of Engineering
Academic Level: Undergraduate

Undergraduate course level justification (Select One)

Prerequisites

All prerequisites will be enforced through COMPASS.

Academic Level (alternate): Graduate


Complete Course Title: Economic Analysis of Engineering Projects

Abbreviated Course Title: ECON ANLY ENGR PROJECT

Catalog course description
Principles of economic equivalence; time value of money; analysis of single and multiple investments; comparison of alternatives; capital recovery and after-tax analysis of economic projects.

Prerequisites and Restrictions

MATH 152 or MATH 172.

Concurrent Enrollment: No

Should catalog prerequisites:

In Workflow
1. ISEN Department Head
2. Curricular Services Review
3. EN Committee Preparer UG
4. EN Committee Chair UG
5. EN College Dean UG
6. UCC Preparer
7. UCC Chair
8. Faculty Senate Preparer
9. Faculty Senate
10. Provost II
11. President
12. Curricular Services
13. Banner

Approval Path
1. 09/18/18 2:34 pm Mark Lawley (malawley): Approved for ISEN Department Head
2. 09/18/18 3:03 pm Terra Bisse (t.bisse): Approved for Curricular Services Review
3. 10/18/18 5:28 pm Eileen Hoy (ehoy): Approved for EN Committee Preparer UG
4. 10/18/18 5:55 pm Prasad Enje (enje): Approved for EN Committee Chair UG
5. 10/18/18 5:57 pm Prasad Enje (enje): Approved for EN College Dean UG
6. 10/19/18 2:18 pm Sandra Williams (sandra-williams): Approved for UCC Preparer
7. 11/05/18 2:44 pm Sandra Williams (sandra-williams): Approved for UCC Chair

History
1. Jun 12, 2018 by Savannah Darbonne (savannah.darbonne)
Enforced Prerequisites / Concurrent Enrollment

<table>
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<tr>
<td>Or</td>
<td>MATH 172</td>
<td>D</td>
<td>UG</td>
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</table>

Crosslistings  No

Stacked  No

Semester  2
Contact Hour(s)  Lecture: 2  Lab: 0  Other: 0  Total: 2

Repeatable for credit?  No

Three-peat?  No

CIP/Fund Code  1435010006

Default Grade Mode  Letter Grade (G)

Alternate Grade Modes  Satisfactory/Unsatisfactory

Method of instruction  Lecture

Will sections of this course be taught as non-traditional? (i.e., parts of term, distance education)  Yes

Learning Outcomes  Meets traditional face-to-face learning outcomes.

Describe how learning outcomes are met or provide justification why they are not met.
The learning outcomes for the traditional & non-traditional sections are identical. Learning outcomes in the non-traditional section are met through a combination of pre-recorded video lecture content which is delivered together with lecture slides, together with short, abbreviated synopsis videos and readings from a textbook. Learning outcomes are reinforced and assessed through a combination of quizzes, homework problem sets and exams.

Hours  Meets traditional face-to-face hours.

Describe how hours are met or provide justification why they are not met.
The total sum of non-traditional video lecture content is equivalent to the sum of face-to-face lecture delivery in an in-class period. Textbook reading assignments and homework assignments are also equivalent between the two.

Will this course be taught as a distance education course?  Yes

I verify that I have reviewed the FAQ for Export Control Basics for Distance Education.  Yes

Is 100% of this course going to be taught in Texas?  Yes

Will classroom space be needed for this course?  Yes
This will be a required course or an elective course for the following programs:

Required (select program)

Elective (select program)

Has/will this course be (en) submitted for core curriculum consideration? No

Has/will this course be (en) submitted for Writing or Communication consideration? No

Has/will this course be (en) submitted for ICD or CD consideration? No

Course Syllabus

Syllabus:
Upload syllabus

Letters of support or other documentation

Additional information

Reviewer Comments
Terra Bissett (t.bissett) (09/18/18 3:01 pm): Minor edits made to form to comply with catalog style guide.

Terra Bissett (t.bissett) (09/18/18 3:03 pm): Syllabus not required for this type of change. Please note: course previously approved for non-traditional format.

Sandra Williams (sandra-williams) (11/05/18 2:44 pm): UCC approved November 2018.

Reported to state? No
MEMORANDUM

TO: Mr. Michael K. Young
    President

THROUGH: Dr. Carol A. Fierke
    Provost and Executive Vice President

FROM: Dr. Michael Benedik
    Vice Provost and Chief International Officer

SUBJECT: May 14, 2018 Faculty Senate Items

All of the attached May 2018 Faculty Senate items have been reviewed and approved by college, university curriculum, Faculty Senate and Office of the Provost.

New Course Requests, Course Change Requests, Course Withdrawal Requests, and Change in Curriculum Requests
Approval recommended. FS.36.001; FS.36.002; FS.36.003; FS.36.011; FS.36.012; FS.36.014; FS.36.019; FS.36.020.

FS.36.004: Recommend approval. College of Engineering, Department of Civil Engineering, Master of Science in Civil Engineering. Request to change SCHs from 32 to 30.
External action: Submit Request to Change Semester Credit Hours form to the System for THECB approval.

FS.36.005: Recommend approval. College of Engineering, Department of Engineering, Master of Science in Interdisciplinary Engineering. Request to change SCHs from 32 to 30.
External action: Submit Request to Change Semester Credit Hours form to the System for THECB approval.

FS.36.006: Recommend approval. College of Engineering, Department of Materials Science and Engineering, MS in Materials Science and Engineering. Request to change SCHs from 32 to 30.
External action: Submit Request to Change Semester Credit Hours form to the System for THECB approval.

FS.36.007: Recommend approval. College of Engineering, Department of Engineering, Master of Science in Safety Engineering. Request to change SCHs from 32 to 30.
External action: Submit Request to Change Semester Credit Hours form to the System for THECB approval.


FS.36.013: Recommend approval. College of Liberal Arts, Department of Liberal Arts, Leadership – Minor. The THECB/SACSCOC does not track minors. No external action.

FS.36.015: Recommend approval. College of Dentistry, Dental Public Health – Certificate. SCH change from 3.0 to 24.0 to meet the recommendations made during a site visit from the Commission on Dental Accreditation.

External action: Submit a Request to Change Semester Credit Hours form to the System for THECB approval.

FS.36.016: Recommend approval. College of Dentistry, Oral and Maxillofacial Pathology – Certificate. SCH change from 30.0 to 40.0 to more accurately reflect the actual time spent by the student in the learning experience and to maintain consistent SCHs semester to semester.

External action: Submit a Request to Change Semester Credit Hours form to the System for THECB approval.

FS.36.017: Recommend approval. College of Dentistry, Pediatric Dentistry – Certificate. SCH change from 48.0 to 48.5 updates curriculum to give the same credit hours as all clinical students earn for taking OBIO 630, Growth and Mechanisms of Development.

External action: Submit a Request to Change Semester Credit Hours form to the System for THECB approval.

FS.36.018: Recommend approval. College of Dentistry, Master of Science in Oral Biology. SCH change from 89.0 to 32.0. Request for change to correct an error on the inventory hours.

External action: Submit a Request to Change Semester Credit Hours form to the System for THECB approval.

FS.36.021: Recommend approval. Proposed Revisions to Student Rule 8.2.4 Examinations. The change eliminates scheduling limitations for professional program final exams. No concerns with change.

FS.36.022: Recommend approval. Student Rule 20.1.2.3.8 Violation of College, Program, Departmental or Course Rules. Verbiage addition “students may not violate any announced college, program, departmental or course rules that are in compliance with other student rules relating to academic matters”. No concerns with change.
FS.36.023: Recommend approval. Student Rule 28 Student Conduct Files and Records. Change in language is consistent with the rest of the Student Rules regarding the use and meaning of "complainant" rather than "survivor". No concerns with change.

FS.36.024: Recommend review. Approved number of total graduates for Texas A&M University, Doctor of Veterinary Medicine, Texas A&M University at Galveston, Texas A&M University at Qatar and the Texas A&M University Health Science Center.

Attachments
Course Change Request

Date Submitted: 09/17/18 9:01 am

Viewing: ISEN 320 : Operations Research I

Last edit: 09/17/18 9:01 am
Changes proposed by: savannah.darbonne

Contact(s)

<table>
<thead>
<tr>
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</table>

Rationale for Course

Edit

The proposed changes are part of a routine curriculum review.

Course prefix  ISEN
Course number 320
Department Industrial & Systems Eng
College/School College of Engineering
Academic Level Undergraduate
Undergraduate course level justification (Select One)
Prerequisites

All prerequisites will be enforced through COMPASS.

Effective term  2019-2020

Complete Course Title Operations Research I
Abbreviated Course Title OPERATIONS RESEARCH I

Catalog course description

Development and application of fundamental deterministic optimization models and solution methods; focus on quantitative modeling and formulation of linear, integer, and network flow problems; use of computer optimization software to model and solve real-life problems.

Prerequisites and Restrictions

MATH 304 [304: junior] or MATH 323; junior or senior classification.

Should catalog prerequisites / concurrent enrollment be enforced? Yes

Enforced Prerequisites / Concurrent Enrollment

<table>
<thead>
<tr>
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<th>Min Grade/Score</th>
<th>Academic Level</th>
<th>Concurrency?</th>
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In Workflow

1. ISEN Department Head
2. Curricular Services Review
3. EN Committee Preparer UG
4. EN Committee Chair UG
5. EN College Dean UG
6. UCC Preparer
7. UCC Chair
8. Faculty Senate Preparer
9. Faculty Senate
10. Provost II
11. President
12. Curricular Services
13. Banner

Approval Path

1. 09/18/18 2:34 pm
   Mark Lawley (malawley): Approved for ISEN Department Head
2. 09/18/18 3:04 pm
   Terra Bisse (t.bisse): Approved for Curricular Services Review
3. 10/18/18 5:28 pm
   Eileen Hoy (ehoy): Approved for EN Committee Preparer UG
4. 10/18/18 5:55 pm
   Prasad Enje (enje): Approved for EN Committee Chair UG
5. 10/18/18 5:57 pm
   Prasad Enje (enje): Approved for EN College Dean UG
6. 10/19/18 2:18 pm
   Sandra Williams (sandra-williams): Approved for UCC Preparer
7. 11/05/18 2:45 pm
   Sandra Williams (sandra-williams): Approved for UCC Chair

https://nextcatalog.tamu.edu/courseleaf/approve/?role=Faculty%20Senate
Crosslistings: No

Stacked: No

Semester: 3
Credit Hour(s): 3
Contact Hour(s) (per week):
Lecture: 3
Lab: 0
Other: 0
Total: 3

Repeatable for credit: No

CIP/Fund Code: 1437010006

Default Grade Mode: Letter Grade (G)

Method of instruction: Lecture

Will sections of this course be taught as non-traditional? (i.e., parts of term, distance education) No

Will this course be taught as a distance education course? No

Is 100% of this course going to be taught in Texas? Yes

Will classroom space be needed for this course? Yes

This will be a required course or an elective course for the following programs:

Required (select program)

Elective (select program)

Has/will this course be(en) submitted for core curriculum consideration? No

Has/will this course be(en) submitted for Writing or Communication consideration? No

Has/will this course be(en) submitted for ICD or CD consideration? No

Course Syllabus

Syllabus: Upload syllabus
Sandra Williams (sandra-williams) (11/05/18 2:45 pm): UCC approved November 2018.
Course Change Request

Date Submitted: 09/17/18 8:56 am

Viewing: ISEN 450: Healthcare Systems Engineering

Last edit: 09/18/18 3:05 pm
Changes proposed by: savannah.darbonne

Catalog Pages referencing this course

Department of Industrial and Systems Engineering
ISEN - Indus & Systems Engr (ISEN)

Faculty Senate Number

Contact(s)

<table>
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</tbody>
</table>

Rationale for Course

The proposed changes are part of a routine curriculum review.

Course prefix  ISEN  Course number  450
Department  Industrial & Systems Eng
College/School  College of Engineering
Academic Level  Undergraduate
Undergraduate course level justification (Select One)

Prerequisites

All prerequisites will be enforced through COMPASS.

Academic Level  Graduate
(alternate)
Effective term  2019-2020

Complete Course Title  Healthcare Systems Engineering
Abbreviated Course Title  HEALTHCARE SYSTEM ENGR

Catalog course description

Explores components of healthcare system, existing problems in healthcare systems; need for engineering to analyze healthcare system problems; application of industrial engineering tools in improving healthcare system; role of industrial engineering in addressing healthcare policy issues.

Prerequisites and Restrictions

ISEN 340 and 314, ISEN 355, 420, ISEN 424, or approval of instructor; junior or senior classification.

Concurrent Enrollment  No
Should catalog prerequisites / Yes

In Workflow

1. ISEN Department Head
2. Curricular Services Review
3. EN Committee Preparer UG
4. EN Committee Chair UG
5. EN College Dean UG
6. UCC Preparer
7. UCC Chair
8. Faculty Senate Preparer
9. Faculty Senate
10. Provost II
11. President
12. Curricular Services
13. Banner

Approval Path

1. 09/18/18 2:34 pm  Mark Lawley (malawley): Approved for ISEN Department Head
2. 09/18/18 3:09 pm  Terra Bissett (t.bisse):  Approved for Curricular Services Review
3. 10/18/18 5:28 pm  Eileen Hoy (ehoy):  Approved for EN Committee Preparer UG
4. 10/18/18 5:55 pm  Prasad Enje (enje):  Approved for EN Committee Chair UG
5. 10/18/18 5:57 pm  Prasad Enje (enje):  Approved for EN College Dean UG
6. 10/19/18 2:18 pm  Sandra Williams (sandra-williams):  Approved for UCC Preparer
7. 11/05/18 2:45 pm  Sandra Williams (sandra-williams):  Approved for UCC Chair
concurrent enrollment be enforced?

**Enforced Prerequisites / Concurrent Enrollment**

<table>
<thead>
<tr>
<th>And/Or</th>
<th>Course Prefix/Number</th>
<th>Min Grade/Score</th>
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<td>And</td>
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</table>

Crosslistings: No

Stacked: No

Semester: 3

Credit Hour(s): 3

Contact Hour(s): 3

Lecture: 3

Lab: 0

Other: 0

Total: 3

Repeatable for credit: No

Three-peat: No

CIP/Fund Code: 1515010006

Default Grade Mode: Letter Grade (G)

Alternate Grade Modes: Satisfactory/Unsatisfactory

Method of instruction: Lecture

Will sections of this course be taught as non-traditional? (i.e., parts of term, distance education): No

This will be a required course or an elective course for the following programs:

- Required (select program)
- Elective (select program)

Has/will this course be(en) submitted for core curriculum consideration? No

Has/will this course be(en) submitted for Writing or
### Course Syllabus

<table>
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<th>Syllabus:</th>
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<tr>
<td>Letters of support or other documentation</td>
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<tr>
<td>Additional information</td>
<td></td>
</tr>
<tr>
<td>Reviewer Comments</td>
<td>Terra Bissett [t.bissett] (09/18/18 3:07 pm): Minor edits made to enforced prerequisite table to comply with style guide.</td>
</tr>
<tr>
<td>Sandra Williams [sandra-williams] (11/05/18 2:45 pm): UCC approved November 2018.</td>
<td></td>
</tr>
<tr>
<td>Reported to state?</td>
<td>No</td>
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</tbody>
</table>
Course Change Request

Date Submitted: 09/17/18 9:04 am

Viewing: **ISEN 460 : Capstone Senior Design**

Last edit: 09/18/18 3:12 pm

Changes proposed by: savannah.darbonne

<table>
<thead>
<tr>
<th>Catalog Pages referencing this course</th>
<th>Department of Industrial and Systems Engineering</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>ISEN - Indus &amp; Systems Engr (ISEN)</td>
</tr>
</tbody>
</table>

| Programs referencing this course     | BS-ISEN: Industrial Engineering - BS              |

Faculty Senate Number

Contact(s)

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<td>979-862-9115</td>
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</table>

Rationale for Course Edit

The proposed changes are part of a routine curriculum review.

Course prefix  ISEN  Course number  460
Department  Industrial & Systems Eng
College/School  College of Engineering
Academic Level  Undergraduate
Undergraduate course level justification (Select One)

**Prerequisites**

All prerequisites will be enforced through COMPASS.

Academic Level  Graduate

Effective term  **2019-2020**

Complete Course Title  Capstone Senior Design

Abbreviated Course Title  CAPSTONE SENIOR DESIGN

Catalog course description

Engineering design including identification of a problem; development, analysis and evaluation of alternative solutions; and recommendations for and, where possible, development of systems improvement tools; application of experience and training to provide a product or solution that helps company clients; balancing client needs with academic requirements.

Prerequisites and Restrictions

ISEN 210, 340; ISEN 330, ISEN 340, ISEN 350, ISEN 355 and ISEN 370; junior or senior classification.

Concurrent Enrollment  No

Should catalog prerequisites /  Yes

In Workflow

1. ISEN Department Head
2. Curricular Services Review
3. EN Committee Preparer UG
4. EN Committee Chair UG
5. EN College Dean UG
6. UCC Preparer
7. UCC Chair
8. Faculty Senate Preparer
9. Faculty Senate
10. Provost II
11. President
12. Curricular Services
13. Banner

Approval Path

1. 09/18/18 2:34 pm
   Mark Lawley (malawley): Approved for ISEN Department Head
2. 09/18/18 3:13 pm
   Terra Bissett (t.bissett): Approved for Curricular Services Review
3. 10/18/18 5:29 pm
   Eileen Hoy (ehoy): Approved for EN Committee Preparer UG
4. 10/18/18 5:55 pm
   Prasad Enje (enje): Approved for EN Committee Preparer UG
5. 10/18/18 5:57 pm
   Prasad Enje (enje): Approved for EN College Dean UG
6. 10/19/18 2:18 pm
   Sandra Williams (sandra-williams): Approved for UCC Preparer
7. 11/05/18 2:45 pm
   Sandra Williams (sandra-williams): Approved for UCC Chair
Enforced Prerequisites / Concurrent Enrollment

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<tr>
<td>Or</td>
<td>ISEN 370</td>
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<tr>
<td>Or</td>
<td>ISEN 315</td>
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Crosslistings: No
Stacked: No

Semester: 3
Credit Hour(s): 3
Contact Hour(s) (per week): Lecture: 1, Lab: 6, Other: 0, Total: 7
Repeatable for credit: No
Three-peat: No
CIP/Fund Code: 1435010006
Default Grade Mode: Letter Grade (G)
Alternate Grade Modes: Satisfactory/Unsatisfactory
Method of instruction: Lecture and Laboratory
Will sections of this course be taught as non-traditional? (i.e., parts of term, distance education): No
Will this course be taught as a distance education course? No
Is 100% of this course going to be taught in Texas? Yes
Will classroom space be needed for this course? Yes
This will be a required course or an elective course for the following programs:
Required (select program)
Elective (select program)
Course Syllabus

Syllabus: Upload syllabus

Letters of support or other documentation: No

Additional information

Reviewer Comments: Sandra Williams (sandra-williams) (11/05/18 2:45 pm): UCC approved November 2018.

Reported to state: No
Course Change Request

Date Submitted: 10/17/18 3:51 pm

Viewing: ISTM 315: Database Programming

Formerly known as: ISYS 315

Last approved: 06/19/17 3:25 am

Last edit: 10/18/18 9:43 am

Changes proposed by: vstilley

Catalog Pages referencing this course

- Department of Information and Operations Management
- ISTM - Mgmt Info Systems (ISTM)

Programs referencing this course

- ISTM 315:
  - BS-GIST-CDA: Geographic Information Science and Technology - BS, Computation, Design and Analysis Track
  - MINOR-CYBR: Cybersecurity - Minor

Contact(s)

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<tr>
<td>Veronica Stilley</td>
<td><a href="mailto:vstilley@mays.tamu.edu">vstilley@mays.tamu.edu</a></td>
<td>979-862-8055</td>
</tr>
</tbody>
</table>

Rationale for Course

The proposed changes are part of a routine curriculum review.

Edit

Course prefix: ISTM

Course number: 315

Department: Information & Operations Mgmt

College/School: Mays Business School

Academic Level: Undergraduate

Undergraduate course level justification (Select One)

Academic Level (alternate): Graduate

Effective term: 2019-2020 2017-2018

Complete Course Title

Database Programming

Abbreviated Course Title

DATABASE PROGRAMMING

Catalog course description

Use and application of Structured Query Language (SQL); Database Management Systems (DBMS) in the solution of business problems; database programming. Only one of the following will satisfy the requirements for a degree: ISTM 313 or ISTM 315.

Prerequisites and Restrictions

ISTM 310; ISTM 320; or approval of instructor.

Concurrent Enrollment

No

Approval Path

1. 10/17/18 4:17 pm
   Rich Metters (rmetters): Approved for INFO Department Head
2. 10/19/18 10:26 am
   Terra Bissett (t.bissett): Approved for Curricular Services Review
3. 10/20/18 10:58 am
   Jon Jasperson (jon.jasperson): Approved for BA Committee Preparer UG
4. 10/20/18 11:00 am
   Jon Jasperson (jon.jasperson): Approved for BA Committee Chair UG
5. 10/22/18 8:38 am
   Annie McGowan (al-mcgowan): Approved for BA College Dean UG
6. 10/22/18 11:21 am
   Sandra Williams (sandra-williams): Approved for UCC Preparer
7. 11/05/18 2:45 pm
   Sandra Williams (sandra-williams): Approved for UCC Chair

History

1. Jun 19, 2017 by sarah.gordon

https://nextcatalog.tamu.edu/courseleaf/approve/?role=Faculty%20Senate
Should catalog prerequisites / concurrent enrollment be enforced? Yes

### Enforced Prerequisites / Concurrent Enrollment

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<tr>
<td></td>
<td>ISTM 310</td>
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Crosslistings
No

Stacked
No

<table>
<thead>
<tr>
<th>Semester</th>
<th>3</th>
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<tbody>
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<td>Credit</td>
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<tr>
<td>Hour(s)</td>
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Contact Hour(s) (per week):

Lecture: 3
Lab: 0
Other: 0
Total: 0

Repeatable for credit?
No

Three-peat?
No

CIP/Fund Code
S212010016

Default Grade Mode
Letter Grade (G)

Alternate Grade Modes
Satisfactory/Unsatisfactory

Method of instruction
Lecture

Will sections of this course be taught as non-traditional? (i.e., parts of term, distance education)
No

Will this course be taught as a distance education course?
No

Is 100% of this course going to be taught in Texas?
Yes

Will classroom space be needed for this course?
Yes

This will be a required course or an elective course for the following programs:

Required (select program)

Elective (select program)

Has/will this course be(en) submitted for core curriculum consideration?
No

Has/will this course be(en) submitted for
Writing or Communication consideration?

Has/will this course be(en) submitted for ICD or CD consideration?

No

Course Syllabus

Syllabus:

Upload syllabus

Upload syllabus

Letters of support or other documentation

No Yes

Additional information

In light of the new course proposal for ISTM 313 (Foundations of Data Analytics for Non-MIS Majors), we are proposing the addition of the aforementioned restriction for ISTM 315. Memo requesting change from ISYS to ISTM and presidential approval memo attached.

Reviewer Comments

Sandra Williams (sandra-williams) (11/05/18 2:45 pm): UCC approved November 2018.

Reported to state?

No
Course Change Request

Course: MEPS 313: Introduction to Plant Physiology

Date Submitted: 09/18/2018 2:34 pm

Contact(s)

<table>
<thead>
<tr>
<th>Name</th>
<th>E-mail</th>
<th>Phone</th>
</tr>
</thead>
<tbody>
<tr>
<td>Taylor Barfield</td>
<td>taylor_barfield@tamu...edu</td>
<td>979-845-4620</td>
</tr>
</tbody>
</table>

Rationale for Course

The proposed changes are to meet the demand/interest of students.

Course Information

- Course prefix: MEPS
- Course number: 313
- Department: Soil & Crop Sciences
- College/School: Agriculture & Life Sciences
- Academic Level: Undergraduate
- Undergraduate course level justification (Select One): Prerequisites
- All prerequisites will be enforced through COMPASS.
- Effective term: 2019-2020
- Complete Course Title: Introduction to Plant Physiology
- Abbreviated Course Title: INTRO PLANT PHYSIOLOGY

Catalog course description

General course dealing with principal life processes of higher plants; influence of environmental factors on these processes. Agricultural and ecological significance of life processes of plants.

Prerequisites and Restrictions

- BIOL 111, 101; CHEM 102 or CHEM 104, CHEM 222 or CHEM 227, 228

Should catalog prerequisites / concurrent enrollment be enforced?

Yes
MEPS 313: Introduction to Plant Physiology

Enforced Prerequisites / Concurrent Enrollment

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<thead>
<tr>
<th>And/Or</th>
<th>Course Prefix/Number</th>
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<td>Or</td>
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<td>Or</td>
<td>CHEM 228</td>
<td>D</td>
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Crosslistings: Yes

Semester: 3
Credit Hour(s): 3
Contact Hour(s): 3
Lecture: 3
Lab: 0
Other: 0
Total: 3
Repeatable for credit: No
CIP/Fund Code: 2603070002
Default Grade Mode: Letter Grade (G)
Method of instruction: Lecture
Will sections of this course be taught as non-traditional? (i.e., parts of term, distance education)
Yes

Learning Outcomes
Meets traditional face-to-face learning outcomes.

Describe how learning outcomes are met or provide justification why they are not met.
Previously approved via memo (Spring 2018)

Hours
Meets traditional face-to-face hours.

Describe how hours are met or provide justification why they are not met.
Previously approved via memo (Spring 2018)

Will this course be taught as a distance education course?
No

Is 100% of this course going to be taught in Texas?
Yes

Will classroom space be needed for this course?
Yes

This will be a required course or an elective course for the following programs:

Required (select program)

Elective (select program)

Program(s)

(BS-HORT) Horticulture - BS
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<tr>
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<tr>
<td>(BS-WFSC-VZY+) Wildlife and Fisheries Sciences - BS, Vertebrate Zoology Option</td>
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<tr>
<td>(BS-WFSC-WEC+) Wildlife and Fisheries Sciences - BS, Wildlife Ecology and Conservation Option</td>
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Has/will this course be(en) submitted for core curriculum consideration? No

Has/will this course be(en) submitted for Writing or Communication consideration? No

Has/will this course be(en) submitted for ICD or CD consideration? No

**Course Syllabus**

Syllabus: Upload syllabus

Upload syllabus

Letters of support or other documentation No

Additional information Course prerequisites have been changed.

Reviewer Comments Sandra Williams (sandra-williams) (11/05/18 2:48 pm): UCC approved November 2018.
# Course Change Request

Date Submitted: 10/10/18 2:18 pm

**Viewing:** RDNG 473 361: Assessment in Reading Instruction

Also listed as: RDNG-361

Formerly known as: RDNG 361

Last approved: 04/20/18 3:25 am

Last edit: 10/10/18 4:46 pm

Changes proposed by: jhammer

<table>
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<th>Catalog Pages referencing this course</th>
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<tr>
<td>RDNG 361: Department of Teaching, Learning and Culture</td>
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<td>RDNG - Reading (RDNG)</td>
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<tr>
<td>RDNG 361: BS-INST-BLE: Interdisciplinary Studies - BS, Bilingual Education EC-6</td>
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<td>RDNG 473: BS-INST-PK6: Interdisciplinary Studies - BS, Pre-K-6, Generalist Certification</td>
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<tbody>
<tr>
<td>Name</td>
</tr>
<tr>
<td>Janet Hammer</td>
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Rationale for Course Edit

**The proposed changes are part of a routine curriculum review.**

### Course Information

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<tr>
<th>Undergraduate course level justification (Select One)</th>
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<th>Academic Level (alternate)</th>
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<td>Assessment in Reading Instruction</td>
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<table>
<thead>
<tr>
<th>Abbreviated Course Title</th>
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<tbody>
<tr>
<td>ASSESSMENT IN RDNG</td>
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Catalog course description

Evaluation and use of commonly used achievement tests, development of criterion referenced tests and interpretation and construction of informal measures for assessing reading skills.

<table>
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<tr>
<th>Prerequisites and Restrictions</th>
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<tbody>
<tr>
<td>Grade of C or better Concurrent enrollment in RDNG 351 and RDNG 373. 351: junior classification or approval of department head.</td>
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</table>

In Workflow

1. TLAC Department Head
2. Curricular Services Review
3. ED Committee Preparer UG
4. ED Committee Chair UG
5. ED College Dean UG
6. UCC Preparer
7. UCC Chair
8. Faculty Senate Preparer
9. Faculty Senate
10. Provost II
11. President
12. Curricular Services
13. Banner

Approval Path

1. 06/27/18 9:49 pm Michael DeMiranda (demiranda): Approved for TLAC Department Head
2. 07/02/18 4:19 pm Terra Bissett (t.bissett): Rollback to Initiator
3. 09/06/18 2:20 pm Michael DeMiranda (demiranda): Approved for TLAC Department Head
4. 09/07/18 9:21 am Terra Bissett (t.bissett): Rollback to Initiator
5. 10/10/18 2:20 pm Michael DeMiranda (demiranda): Approved for TLAC Department Head
6. 10/10/18 5:08 pm Terra Bissett (t.bissett): Approved for Curricular Services Review
7. 10/11/18 8:16 am Kristy Anderson (kanderson): Approved for ED Committee Preparer UG
8. 10/19/18 3:57 pm Chris Cherry (chrischerry): Approved for ED Committee Chair UG
9. 10/19/18 3:59 pm Chris Cherry
RDNG 473: Assessment in Reading Instruction

Concurrent Enrollment: No  
Should catalog prerequisites / concurrent enrollment be enforced? Yes

Enforced Prerequisites / Concurrent Enrollment

<table>
<thead>
<tr>
<th>And/Or</th>
<th>Course Prefix/Number</th>
<th>Min Grade/Score</th>
<th>Academic Level</th>
<th>Concurrency?</th>
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<td>RDNG 351</td>
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<td>And</td>
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Crosslistings: No  
Stacked: No

Semester Credit Hour(s)  
Contact Hour(s) (per week): Lecture 3  
Lab: 0  
Other: 0  
Total: 3

Repeatable for credit? No  
Three-peat? No  
CIP/Fund Code: 1313150004  
Default Grade Mode: Letter Grade (G)  
Alternate Grade Modes: Satisfactory/Unsatisfactory  
Method of instruction: Lecture  
Will sections of this course be taught as non-traditional? (i.e., parts of term, distance education) No

Will this course be taught as a distance education course? No  
Is 100% of this course going to be taught in Texas? Yes  
Will classroom space be needed for this course? Yes

This will be a required course or an elective course for the following programs:
Required (select program)

<table>
<thead>
<tr>
<th>Program(s)</th>
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</thead>
<tbody>
<tr>
<td>(BS-INST-PK6) Interdisciplinary Studies - BS, Pre-K-6, Generalist Certification</td>
</tr>
<tr>
<td>(BS-INST-BLE) Interdisciplinary Studies - BS, Bilingual Education EC-6</td>
</tr>
</tbody>
</table>

Elective (select program)

Has/will this course be(en) submitted for core curriculum consideration? No

Has/will this course be(en) submitted for Writing or Communication consideration? No

Has/will this course be(en) submitted for ICD or CD consideration? No

Course Syllabus

Syllabus: Upload syllabus

Upload syllabus: RDNG 473 (former RDNG 361).pdf

Letters of support or other documentation

No

Additional information

Edits 04.19.2018 - edits made to enforce prerequisite table to comply with UCC policy to enforce listed catalog prerequisites, effective fall 2019. 2018.

This course number is changing because it needs to be taken as a 400 level course after other courses are taken.

Reviewer Comments

Terra Bissett (t.bissett) (07/02/18 4:02 pm): Minor edits made to prerequisites to conform to catalog style guide.

Terra Bissett (t.bissett) (07/02/18 4:19 pm): Rollback: If a grade of C or better is required for prerequisites, please provide a statement in catalog course prerequisites - "Grade of C or better in RDNG 351 and RDNG 373";

Syllabus: Please revise learning outcomes ("understanding of") - committees will want the learning outcomes to answer, 'After successful completion of this course, the student will be able to...'

Terra Bissett (t.bissett) (09/07/18 9:21 am): Rollback: Please see previous comment: If a grade of C or better is required for course prerequisites, please include statement in catalog prerequisites "Grade of C or better in..."

Terra Bissett (t.bissett) (10/10/18 5:07 pm): Update received.

Sandra Williams (sandra-williams) (11/05/18 2:48 pm): UCC approved November 2018.

Reported to state?

No

Change
RDNG 473
Assessment in Reading Instruction

Instructor:
Emily Cantrell, Ph.D.
Office: Harrington Tower (EDCT) 222B
Office Hours - By appointment: Tuesday/Thursday 1:00-3:00 p.m.
E-mail: aggieemily@tamu.edu (I will respond to E-mails within 24 hours Monday through Friday)
Phone: 979-845-8384

Course Description:
RDNG 473 Evaluation and use of commonly used achievement tests, development of criterion referenced tests and interpretation and construction of informal measures for assessing reading skills.

Prerequisites:
Grade of C or better in RDNG 351 and RDNG 373

Required Textbooks/Readings:


Articles as assigned (eCampus)

Learning Outcomes:
After the successful completion of this course, each student will be able to:

1. Identify the components of literacy development;
2. Describe the basic principles of assessment and use of a variety of literacy assessment practices to plan and implement literacy instruction for young children;
3. Demonstrate appropriate uses and characteristics of screening devices, formal assessments and informal assessments related to the development of literacy in young children;
4. Identify formative and summative uses of assessment;
5. Describe how to use multiple assessments and the results of these assessments to inform reading and writing instruction;
6. Recognize how to use effective informal and formal assessments to evaluate children’s oral language skills;
7. Identify effective formal and informal assessments of phonological and phonemic awareness and how to analyze results and identify appropriate instructional strategies for teaching phonological and phonemic awareness to individual children;
8. Recognize how to select, administer, and analyze results from informal and formal assessments of alphabetic knowledge;
9. Demonstrate how to use formal and informal assessments of individual children’s literacy development to plan, implement, and monitor instruction;
10. Use a variety of formal and informal procedures for assessing children’s word identification and decoding skills;
11. Identify how to assess children’s reading fluency on an ongoing basis and know the norms that have been established for various age and grade levels;
12. Demonstrate how to determine children’s independent, instructional, and frustration reading levels and the importance of using this information when selecting materials for reading instruction for individual students and guiding their selection of independent reading materials;
13. Identify a variety of formal and informal procedures for monitoring children’s reading comprehension and instructional practices to meet individual children’s needs;
14. Describe informal and formal procedures for ongoing monitoring and assessment of writing development and understanding of writing conventions; and
15. Describe how to recognize when a child needs additional help or intervention to bring the child’s performance up to optimum level.

Course Expectations:

Attendance:
Attendance is expected and required. Communication with the instructor in advance regarding class absences is appreciated. You will earn .5 points for each class in which you are present for the entire class. The points you earn will be used as an extra credit grade at the end of the semester (no other extra credit will be offered during the course). Each unexcused absence will deduct 10 points from your attendance/participation grade. To be granted an excused absence (and therefore incur no penalty for a missed class), you must provide proper documentation within one week; however, you will still be responsible for missed work. For additional information regarding attendance and make-up policies see the following link: https://student-rules.tamu.edu-rule07/

Missed work should be completed within one week of your absence. Please contact a classmate or the instructor when you are absent to get class information.

University Rules: Attendance

The university views class attendance as an individual student responsibility. Students are expected to attend class and to complete all assignments. Please visit the following websites to get information about university rules/policies related to attendance:
Student Health Services Medical Excuse Policy http://shs.tamu.edu/medical-excuse/
**TLAC Absenteeism policy:**
Students are expected to be in attendance at least 80% of the class meetings and 80% of the field experiences. 20% absenteeism will result in recommendation of withdrawal or Q drop of the course(s). Class discussion and participation are vital as students learn to apply research and theory in a classroom setting. The goal is for students to move forward to a successful clinical teaching experience and ultimately a teaching career.

**Participation:**
Participation for both Face-to-face and online sessions is expected, emphasized and encouraged. Participation includes active listening, cooperation in class and group activities, asking/answering questions, responding to emails, completion of assigned reading and online sessions/assignments, and posting assignments/discussions. The participation portion of your grade will be determined by instructor evaluation.

- Over the course of the semester, 6-7 classes will begin with an “Entry Ticket” question/response that reflects course readings or homework due before the scheduled class. Each response will earn up to 5 points toward the class participation portion of your final grade. Your top 5 scores will be used to earn up to 25 points toward the class participation portion of your grade. You must be on time for class to complete “Entry Ticket” responses.

**Use of technology during class:**
Electronic media (e.g., laptops, tablets) may be used during face-to-face sessions for class participation purposes (e.g., notetaking, looking up websites discussed, in-class assignments, etc.). Being physically in the classroom but splitting your attention on unrelated tasks (e.g., Sudoku, texting, sleeping, shopping online, etc.) is not considered as fully “attending class”. In short, unless requested otherwise, no cell phones should be out in class ... or in your lap.

**Assignments:**
The use of appropriate mechanics is expected in written assignments (e.g., grammar, spelling, and punctuation). Assignments should be proofed prior to submission.

Assignments are due by submission via e-campus on the designated assignment tab and by the due date indicated on the assignment. Late assignments will be deducted 10% of grade and will not be considered if they are more than one week late.

**Grading Criteria**
The grading system used in RDNG 473 is based on the following criteria:

- **Assessments – Quizzes and Final** 160 points
- **Assignments** 385 points
- **Attendance/Participation** 100 points
- **Total** 645 points
The final grade will be assigned according to the following criteria (no exceptions):

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<td>A</td>
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<td>B</td>
<td>80 – 89</td>
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<td>C</td>
<td>70 – 79</td>
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<td>D</td>
<td>60 – 69</td>
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<tr>
<td>F</td>
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Tentative Schedule of Assignments and Activities

*The course syllabus is subject to change at the discretion of the professor*

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<th>Week</th>
<th>Topic</th>
<th>Reading and Assignments</th>
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<tbody>
<tr>
<td>Week 1</td>
<td><strong>Introductions</strong></td>
<td><strong>Reading:</strong> McKenna &amp; Stahl (Library eBook), Chapter 1: <em>Introduction to Reading Assessment – A Cognitive Model</em> pp. 8-22</td>
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<tr>
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<td><em>Syllabus Review</em></td>
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<td></td>
<td><strong>Overview of Reading Assessment</strong></td>
<td><strong>Assignment (eCampus):</strong> QR Code Search</td>
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<td><strong>Reading for week 2:</strong> Essential Components of RTI – A Closer Look at Response to Intervention (eCampus)</td>
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<td>Week 2</td>
<td><strong>Response to Intervention &amp; Types of Assessment</strong></td>
<td><strong>Assignment:</strong> Read &amp; Respond - Assessing Reading Multiple Measures: Introduction to Assessing Reading pp. 5-11</td>
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<td><strong>Reading for week 3:</strong> McKenna &amp; Stahl (Library eBook), Chapter 2: <em>General Concepts of Assessment</em> pp. 23-32; 38-42</td>
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<td><strong>Understanding General Concepts of Assessment</strong></td>
<td><strong>Assignments:</strong> What do These Scores Tell Us? Read &amp; Reflect: The Role of Early Oral Language in Literacy Development (Shanahan &amp; Lonigan, 2016 - <a href="http://languagemagazine.com/?page_id=5100">http://languagemagazine.com/?page_id=5100</a>)</td>
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<td>Oral Language &amp; Assessment</td>
<td>Discussion Protocol (In class) over assigned reading</td>
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<td>Oral Language &amp; Assessment</td>
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<td>Simple View of Reading</td>
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<td>Why Phonological Awareness is Important for Reading and Spelling</td>
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<td>Part 1 - Phonological/Phonemic Awareness</td>
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<td>Assessment – Phonological/Phonemic Awareness</td>
<td>Assignment</td>
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<td>• Analyzing Assessment for Instruction - Phonological/Phonemic Awareness</td>
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<td>Readings:</td>
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<td>Video: Decoding English</td>
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<td>Effective Phonics Instruction (eCampus)</td>
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<td>Assignment</td>
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<td>McKenna &amp; Stahl (Library eBook), Chapter 6:</td>
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<tr>
<td></td>
<td>Fluency pp.163-179</td>
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<tr>
<td>Week 9:</td>
<td>Reading Fluency</td>
<td>Assignment:</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Analyzing Assessment for Instruction – Fluency</td>
</tr>
<tr>
<td></td>
<td>Reading Fluency</td>
<td></td>
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<tr>
<td>Week 10:</td>
<td>Texas &amp; Assessment</td>
<td>Assignment:</td>
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<tr>
<td></td>
<td>Research for Early Reading Screening</td>
<td>Quiz #4</td>
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<table>
<thead>
<tr>
<th>Week 11:</th>
<th>Spelling Assessment</th>
<th>Jigsaw – Early Reading Assessment (Group share)</th>
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<tbody>
<tr>
<td></td>
<td></td>
<td>Readings:</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Spelling (eCampus)</td>
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<tr>
<td></td>
<td></td>
<td>• McKenna &amp; Stahl (Library eBook), Chapter 5: Spelling &amp; Elementary Spelling Inventory and Feature Guide pp. 119-122; 159-162</td>
</tr>
<tr>
<td></td>
<td>Spelling Assessment</td>
<td>Preparation/Reading for Thurs., April 10:</td>
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<tr>
<td></td>
<td></td>
<td>• The Relationship Between Teacher Knowledge and Effective RTI: When We Know Better, We Do Better</td>
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<tr>
<th>Week 12:</th>
<th>Spelling Assessment</th>
<th>Assignment:</th>
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<tr>
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<td></td>
<td>• Analyzing Assessment for Instruction - Spelling</td>
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<td>McKenna &amp; Stahl (Library eBook),</td>
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<tr>
<td></td>
<td></td>
<td>• Chapter 8 – Comprehension pp. 198-207; 210-228</td>
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<td></td>
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<td>• Chapter 9 – Strategic Knowledge pp. 225-228</td>
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<tr>
<td></td>
<td>Comprehension/Metacognition</td>
<td>Assignments:</td>
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<tr>
<th>Week 13:</th>
<th>Composition</th>
<th>Assignment: Writing &amp; Rubrics</th>
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<tr>
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<th>Grouping for Instruction</th>
<th>Read &amp; Reflect #4:</th>
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<tbody>
<tr>
<td></td>
<td></td>
<td>• How RTI Supports Early Identification of Students with Different Reading Profiles</td>
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<th>Grouping for Instruction</th>
<th>Assignment:</th>
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<tbody>
<tr>
<td></td>
<td></td>
<td>• Grouping for Instruction</td>
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| Week 15: | Final | |
|------|-------|
**Online evaluations.**
Online evaluations will be available at mid-term and at the end of the semester at: [https://pica.tamu.edu/](https://pica.tamu.edu/)

**NEW - CEHD Social media policy:**
When students in the College of Education and Human Development at Texas A&M University choose to join or engage with social networking groups, they do so as future educators and as such assume the responsibility for monitoring content and addressing inappropriate behavior or activity on these networks. This includes acting to protect the safety of minors online, peers, and district personnel. Any concerns should be immediately brought to the attention of any faculty member at Texas A&M University.

**Academic Integrity Statement and Policy**
For additional information please visit: [http://aggiehonor.tamu.edu](http://aggiehonor.tamu.edu)

“An Aggie does not lie, cheat or steal, or tolerate those who do.”

**PLEASE NOTE:** THIS IS TO BE TYPED AND ATTACHED TO ALL PAPERS, PROJECTS, AND EXAMS:
Faculty Senate Statement on Plagiarism: The handouts used in this course are copyrighted. By “handouts” I mean all materials generated for this class, which include but are not limited to syllabi, quizzes, exams, lab problems, in-class materials, review sheets, and additional problem sets. Because these materials are copyrighted, you do not have the right to copy the handouts, unless I expressly grant permission. As commonly defined, plagiarism consists of passing off as one’s own the ideas, words, writings, etc., which belong to another. In accordance with this definition, you are committing plagiarism if you copy the work of another person and turn it in as your own, even if you should have the permission of that person. Plagiarism is one of the worst academic sins, for the plagiarist destroys the trust among colleagues without which research cannot be safely communicated. If you have any questions regarding plagiarism, please consult the latest issue of the Texas A&M University Student Rules, under the section “Scholastic Dishonesty.”

Americans with Disabilities Act (ADA) Policy Statement: The Americans with Disabilities Act (ADA) is a federal anti-discrimination statute that provides comprehensive civil rights protection for persons with disabilities. Among other things, this legislation requires that all students with disabilities be guaranteed a learning environment that provides for reasonable accommodation of their disabilities. If you believe you have a disability requiring an accommodation, please contact Disability Services, currently located in the Disability Services building at the Student Services at White Creek complex on west campus or call 979-845-1637. For additional information, visit http://disability.tamu.edu.

Concern/Opportunity/Acknowledgment Form (COAF): If you have a concern (for example, a question about your grade), see an opportunity, or would like to acknowledge something, use the form on page 15 in this syllabus.

Teaching, Learning and Culture (TLAC) Statement

The Department of Teaching, Learning and Culture (TLAC) does not tolerate discrimination, violence, or vandalism. TLAC is an open and affirming department for all people, including those who are subjected to racial profiling, hate crimes, heterosexism, and violence. We insist that appropriate action be taken against those who perpetuate discrimination, violence, or vandalism. Texas A&M University is an Affirmative Action and Equal Opportunity institution, and affirms its dedication to non-discrimination on the basis of race, color, religion, gender, age, sexual orientation, domestic partner status, national origin, or disability in employment, programs, and services. Our commitment to non-discrimination and affirmative action embraces the entire university community including faculty, staff, and students.

Texas A & M University
Teaching, Learning and Culture
Concern/Opportunity/Acknowledgment Form (COAF)

Name______________________________ UIN: ______ - ______ - ______ Date __/__/__

Telephone: Home (______) ______ - __________ Major____________________________

Name: ____________________________
UIN: ______ - ______ - ______
Date: __/__/__

Telephone: Home (______) ______ - __________ Major: __________________________
Work (______)_______ EMAIL __________________________

Class: __________________________________________________________________________________________

Circle Freshman Sophomore Junior Senior Graduate

Projected Graduation Semester__________ Year ____________

Explain Opportunity/Concern/Acknowledgement (Please be specific with your narrative.)

If this is a concern what are the possible solutions

a. 
b. 

Professor/Advisor/Mentor/Administrator Recommendation

________________________________________Date:__/__/___

Advisor/Professor/Facilitator

Department Head Recommendation (demiranda@tamu.edu)

Department Head /Designee__________________________Date:__/__/___

Dr. Michael De Miranda, Department Head

Action/Follow-up:
Course Change Request

Date Submitted: 10/15/18 1:00 pm

Viewing: SCMT 336 : Data Analytics with Optimization Decision Support Systems

Last edit: 10/15/18 1:00 pm

Changes proposed by: vslley

Contact(s)

<table>
<thead>
<tr>
<th>Name</th>
<th>E-mail</th>
<th>Phone</th>
</tr>
</thead>
<tbody>
<tr>
<td>Veronica Stiley</td>
<td><a href="mailto:vslley@mays.tamu.edu">vslley@mays.tamu.edu</a></td>
<td>979-862-8055</td>
</tr>
</tbody>
</table>

Rationale for Course Edit

The proposed changes are part of a routine curriculum review.

Course prefix        SCMT
Course number         336
Department            Information & Operations Management
College/School        Mays Business School
Academic Level        Undergraduate

Undergraduate course level justification (Select One)

Prerequisites

All prerequisites will be enforced through COMPASS.

Effective term        2019-2020

Complete Course Title

Data Analytics with Optimization Decision Support Systems

Abbreviated Course Title

DATA ANALYTICS OPTIMIZATION DECISION SUPPORT SYSTEMS

Catalog course description

Application of quantitative decision-making techniques to management decision problems; focus on model development, solution and implementation of results; optimization. Results.

Prerequisites and Restrictions

SCMT 364; junior or senior classification.

Should catalog prerequisites / concurrent enrollment be enforced?

Yes

https://nextcatalog.tamu.edu/courseleaf/approve/?role=Faculty%20Senate
Enforced Prerequisites / Concurrent Enrollment

<table>
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<tr>
<th>And/Or</th>
<th>Course Prefix/Number</th>
<th>Min Grade/Score</th>
<th>Academic Level</th>
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<th>Concurrency?</th>
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<tr>
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<td>{ SCMT 364</td>
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<td>UG</td>
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<td>No</td>
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<tr>
<td>Or</td>
<td>INFO 364</td>
<td>D</td>
<td>UG</td>
<td>)</td>
<td>No</td>
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Crosslistings: No  
Crosslisted With: No  
Stacked: No  
Stacked with: No

<table>
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<tr>
<th>Semester</th>
<th>Credit Hour(s)</th>
<th>Contact Hour(s)</th>
<th>Lecture:</th>
<th>Lab:</th>
<th>Other:</th>
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<tr>
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<td></td>
<td>3</td>
<td>0</td>
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</table>

Repeatable for credit? No  
CIP/Fund Code: S213010016  
Default Grade Mode: Letter Grade (G)  
Method of instruction: Lecture  
Will sections of this course be taught as non-traditional? (i.e., parts of term, distance education) No

Will this course be taught as a distance education course? No  
Is 100% of this course going to be taught in Texas? Yes

Will classroom space be needed for this course? Yes

This will be a required course or an elective course for the following programs:

Required (select program)  
Elective (select program)  
Has/will this course be(en) submitted for core curriculum consideration? No
| Has/will this course be(en) submitted for Writing or Communication consideration? | No |
| Has/will this course be(en) submitted for ICD or CD consideration? | No |

### Course Syllabus

| Syllabus: | Upload syllabus |
| Letters of support or other documentation | No |

Additional information: **This request is for a course title change only. The proposed title better represents the content of the course and current business trends.**

Reviewer Comments:
- **Terra Bissett (t.bissett) (09/28/18 3:27 pm):** Minor edits made to abbreviated course title to comply with catalog style guide.
- **Jon Jasperson (jon.jasperson) (10/15/18 12:24 pm):** Rollback: Mays curriculum committee asked for a revision of the catalog description to bring into alignment with the title change.
- **Sandra Williams (sandra-williams) (11/05/18 2:49 pm):** UCC approved November 2018.
Course Change Request

Viewing: THAR 201: Introduction to World Theatre

Last edit: 10/16/18 7:58 am
Changes proposed by: jimball

Contact(s)

<table>
<thead>
<tr>
<th>Name</th>
<th>E-mail</th>
<th>Phone</th>
</tr>
</thead>
<tbody>
<tr>
<td>Jim Ball</td>
<td><a href="mailto:jimball@tamu.edu">jimball@tamu.edu</a></td>
<td>646-326-4287</td>
</tr>
</tbody>
</table>

Rationale for Course

The proposed changes are to meet the demand/interest of students.

Course prefix: THAR  
Course number: 201

Department: Performance Studies
College/School: Liberal Arts
Academic Level: Undergraduate

Undergraduate course level justification (Select One)

College/Program Course Level Rubric

Effective term: 2018-2019 Spring

Complete Course Title
Introduction to World Theatre

Abbreviated Course Title
INTRO TO WORLD THEATRE

Catalog course description
Non-Western theatre, its origins and continuing influence on society and Western theater; emphasis on the theaters of India, China, Japan, Africa, the Caribbean and Latin America.

Prerequisites and Restrictions

Should catalog prerequisites / concurrent enrollment be enforced?
No

Crosslistings
No  Crosslisted With

Stacked
No  Stacked with

Semester: 3  
Credit: 3  
Contact Hour(s) (per week): Lecture: 3  Lab: 0  Other: 0  Total: 3

Approval Path

1. 10/11/18 2:58 pm Martin Regan (reganm): Approved for PRFM Department Head
2. 10/11/18 4:43 pm Terra Bissett (t.bissett): Approved for Curricular Services Review
3. 10/11/18 5:35 pm Steve Oberhelman (s-oberhelman):Approved for LA Committee Preparer UG
4. 10/16/18 7:59 am Steve Oberhelman (s-oberhelman): Approved for LA Committee Chair UG
5. 10/16/18 8:52 am Steve Oberhelman (s-oberhelman): Approved for LA College Dean UG
6. 10/16/18 4:27 pm Sandra Williams (sandra-williams): Approved for UCC Preparer
7. 11/05/18 2:49 pm Sandra Williams (sandra-williams): Approved for UCC Chair
Hour(s)

Repeatable for credit? No
CIP/Fund Code 5005010003
Default Grade Mode Letter Grade (G)
Method of instruction Lecture
Will sections of this course be taught as non-traditional? (i.e., parts of term, distance education) Yes

Learning Outcomes

Meets traditional face-to-face learning outcomes.

Describe how learning outcomes are met or provide justification why they are not met.

The online version of THAR 201 covers the same key topics and meets the same learning outcomes as the face-to-face course and the breadth and depth of the curriculum for this online version qualifies as a three-credit-hour course. The online version of THAR 201 includes extensive, highly-detailed video course content delivery. These videos provide students the same exposure to global performance traditions, and the same opportunities to analyze the function of performance in a globalized society as they would receive in the face-to-face version of the course.

The online course also includes interactive activities such as peer review of written and performance work, journaling, discussion board exercises, and guided study sessions led by the instructor via Blackboard Collaborate Ultra (a real-time video conferencing tool on eCampus). Additionally, mastery quizzes are embedded in each learning module after video and reading assignments, and podcasts. In the online course students work in groups to create a video performance of a staged reading of one of the course texts. This provides new opportunities to consider key questions of liveness and mediation debated in the discipline of performance studies.

Hours

Meets traditional face-to-face hours.

Describe how hours are met or provide justification why they are not met.

Each module of the online course requires at least as much time to complete as its face-to-face corollary. Students taking the online version of the course will be required to invest the same amount of time and energy into completing the course as they would if they were enrolled in the traditional face-to-face version of the course.

Will this course be taught as a distance education course? Yes No
I verify that I have reviewed the FAQ for Export Control Basics for Distance Education. Yes No
Is 100% of this course going to be taught in Texas? Yes
Will classroom space be needed for this course? No

This will be a required course or an elective course for the following programs:

Required (select program)
Elective (select program)
Has/will this course be(en) submitted for core curriculum consideration? Yes

Proposed Core Foundational Component Area

Approved Foundational Component Area Core Creative Arts (KCRA)

Has/will this course be(en) submitted for Writing or Communication consideration? No

Has/will this course be(en) submitted for ICD or CD consideration? Yes No

Course Syllabus

Syllabus: Upload syllabus

Upload syllabus THAR201 F18.docx

Letters of support or other documentation No

Additional information The Department of Performance Studies is requesting permission to offer a fully online, non-traditional version of THAR 201: Introduction to World Theatre, a course that fulfills University Core requirements. The preparation of this course was enabled through an ITS Innovative Pedagogy Grant. The course was designed by Prof. Rayna Dexter and created with the assistance of ITS staff in the College of Liberal Arts. Prof. Dexter, the Department Head and the Director of Undergraduate Studies have reviewed the course to confirm that it covers the same learning outcomes and requires the same hours as the face-to-face course, and they have reviewed and discussed the restrictions of Rule 11.03.99.MI to ensure that the course follows Rule 11.03.99.MI.

Reviewer Comments Sandra Williams (sandra-williams) (11/05/18 2:49 pm): UCC approved November 2018.
THAR 201 INTRO TO WORLD THEATRE Sections 500, 501, 502  FALL 2018

Anne Quackenbush  aquack@tamu.edu
Office: 269 LAAH

Office Hours: M/W 4-5pm, walk-in; OR by appointment for a better time

Course Description
Non-Western theatre, its origins and continuing influence on society and Western theatre; emphasis on the theatres of India, China, Japan, Africa, the Caribbean and Latin America. The course includes textbook reading, reading of articles, lectures, in-class discussions, watching media outside of class and online tests based on the readings, lectures and media. There is no prerequisite for this course.

Learning Outcomes
- Define why theatre as an art form exists throughout the world.
- Discuss how cultures of other countries influence Western theatre and have been influenced by Western theatre.
- Discuss and critique different theatrical elements in theory and in practice, historic and contemporary movements in world theatre.
- Describe the rituals, dramatic literature and performances of a global world.
- Analyze theatre as a collaborative means of both global and communal expression.

Required Materials (Yes, you must have the textbook in order to take the tests)
- The Longman Anthology of Drama & Theatre: A Global Perspective CUSTOM EDITION 9781323913413 Authors: Greenwald, Michael L., Roger Schultz and Roberto Pomo
  PLEASE NOTE! THIS IS A NEW, CUSTOM EDITION PUBLISHED FOR THIS CLASS!
- iClicker 2 (not the text-based program, but the physical remote)

COURSE REQUIREMENTS
eCampus
Online access to ECAMPUS http://ecampus.tamu.edu/
Check eCampus OFTEN for due dates, changes or to prepare for class. On rare occasions, requirements, policies, and schedules are subject to change. Students will be notified of changes through eCampus announcements, which are emailed to your tamu address.

iClicker 2
iClickers are used for attendance.
Register through iClicker.com EVEN IF YOU HAVE REGISTERED IN THE PAST. Every new course requires re-registration. I will NOT be using iClicker Cloud (formerly REEF) app; too much wireless congestion makes for unreliable connections.
How to register iClicker 2: go to iClicker.com, select Register your Remote, select "Classic," then select "my institution does not use an LMS" when asked which Learning Management System does your institution use. Make sure that you register with your UIN and not your NetID. Please use the name you are registered with.

Attendance
Students are expected to attend every class. Attendance will be tracked via iClickers.

**THERE WILL BE NO CLASSES ON FRIDAYS.** Attendance is taken during the class, no set time.

8 points will be subtracted from the 100 overall attendance points for every unexcused absence.

If your absence is excused: please bring paperwork to me and your points will be reinstated. This can be in the form of a doctor’s note, or a printed travel itinerary, an email confirming a job interview, etc. Just one page, please, and CLEARLY print your name and the date(s) that you missed. Please get notes from a fellow student. For more information about the University policy on excused absences, see the Student Rules at http://student-rules.tamu.edu/rule07

I WILL NOT DISCUSS OR CHANGE ATTENDANCE PREVIOUS TO THE DATE OF THE LAST TEST.

Make-up work will be allowed in the case of excused absences; see Student Rule 7. Make-up work is not permitted if there is no university-excused absence.

Media
You are required to watch media outside of class for discussion and tests.

There are different ways to do this:
- For the first and third tests, the films are streamed from a specific site; the links are on eCampus
- For the second and fourth tests, streaming via https://mediamatrix.tamu.edu/
  Login using NetID and password and click on our class link. (A link to this site is provided on eCampus)
- Checking out the reserved disks via Media Services on the 1st floor of the Evans Library Annex

Losing your connection is not a valid excuse for missing work. TAMU Help Desk: 979-845-8300
If you have issues streaming for class:
- try a different browser (Firefox always works well for me)
- update your browser’s flash player
- clear cookies and restart your browser

Grading - Total possible points = 1000
ATTENDANCE: 100 points (Received at the beginning of the class, subtracted from when absent). Each class missed because of a lack of a university-excused absence will result in 8 points subtracted from the final point total. See above.

4 ONLINE TESTS: 225 points each (Multiple choice, multiple answer, true/false and essay questions)
The tests are non-cumulative, open-note, and will include questions over textbook reading, lectures and media viewed. Late tests will be penalized 10 points for every day late in the case of unexcused absences. No final; Test 4 is open through day of finals. Losing your connection is not a valid excuse for missing work. TAMU Help Desk: 979-845-8300

<table>
<thead>
<tr>
<th>DATES</th>
<th>TEST OPENS</th>
<th>TEST CLOSES</th>
<th>MEDIA TO VIEW</th>
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<tbody>
<tr>
<td>TEST 1</td>
<td>Wed Sept 19, 4pm</td>
<td>Sun Sept 23, midnight</td>
<td>Raja Edepus</td>
</tr>
<tr>
<td>TEST 2</td>
<td>Wed Oct 10, 4pm</td>
<td>Sun Oct 14, midnight</td>
<td>Farewell My Concubine</td>
</tr>
<tr>
<td>TEST 3</td>
<td>Wed Oct 31, 4pm</td>
<td>Sun Nov 4, midnight</td>
<td>Throne of Blood</td>
</tr>
<tr>
<td>TEST 4</td>
<td>Wed Dec 5, 4pm</td>
<td>Wed Dec 12, midnight</td>
<td>Sarafina</td>
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A Note on Content
Theatre, historically and currently, deals with complex and controversial issues; it is often challenging and at times uncomfortable. It would therefore be impossible to offer a meaningful theatre course that did not engage, at times, with potentially difficult issues including religion, gender, race, sexuality, class, violence and politics. Many of us will have different responses to the plays we read and attend, and that is an excellent thing; in our discussions, all thoughtfully and respectfully expressed viewpoints are welcome and encouraged. However, no one will be excused from reading, viewing, or discussing a play based on its content. Students who are concerned about the content of this class or their ability to complete the required work should talk to me.

Grading Scale
A=900-1000
B=800-899
C=700-799
D=600-699
F=below 599
Honor Code
An Aggie does not lie, cheat, or steal or tolerate those who do.
Cheating in this class will not be tolerated. This includes plagiarism. Violators will receive a failing grade and be referred to the Academic Honesty Committee for disciplinary action (http://aggiehonor.tamu.edu).

ADA Policy Statement
The Americans with Disabilities Act (ADA) is a federal anti-discrimination statute that provides comprehensive civil rights protection for persons with disabilities. Among other things, this legislation requires that all students with disabilities be guaranteed a learning environment that provides for reasonable accommodation of their disabilities. If you believe you have a disability requiring an accommodation, please contact Disability Services, currently located in the Disability Services building at the Student Services at White Creek complex on west campus or call 979-845-1637. For additional information, visit http://disability.tamu.edu.

Title IX and Statement on Limits to Confidentiality
Texas A&M University and the College of Liberal Arts are committed to fostering a learning environment that is safe and productive for all. University policies and federal and state laws provide guidance for achieving such an environment. Although class materials are generally considered confidential pursuant to student record policies and laws, University employees — including instructors — cannot maintain confidentiality when it conflicts with their responsibility to report certain issues that jeopardize the health and safety of our community. As the instructor, I must report the following information to other University offices if you share it with me, even if you do not want the disclosed information to be shared:

• Allegations of sexual assault, sexual discrimination, or sexual harassment when they involve TAMU students, faculty, or staff.

These reports may trigger contact from a campus official who will want to talk with you about the incident that you have shared. In many cases, it will be your decision whether or not you wish to speak with that individual. If you would like to talk about these events in a more confidential setting, you are encouraged to make an appointment with the Student Counseling Service (https://scs.tamu.edu/). Students and faculty can report concerning, non-emergency behavior at http://tellsomebody.tamu.edu.

Each color block indicates test periods

<table>
<thead>
<tr>
<th>WEEK</th>
<th>TOPICS COVERED IN LECTURES</th>
<th>READING FROM TEXTBOOK FOR THE WEEK</th>
<th>FRIDAY ASSIGNMENTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>INTRO TO COURSE/SYLLABUS WHY THEATRE?</td>
<td>AND ANY ADDITIONAL READING</td>
<td>READ SYLLABUS!</td>
</tr>
<tr>
<td>2</td>
<td>RITUAL AND THE ORIGINS OF THEATRE</td>
<td>STORIES, RITUALS &amp; THEATRE FROM THEATRE TO DRAMA</td>
<td>WATCH HISTORY CHANNEL: &quot;ANCIENT RITES &amp; RITUALS&quot; COMPILE LIST OF REASONS WE HAVE/NEED RITUAL</td>
</tr>
<tr>
<td>3</td>
<td>INDIAN DRAMA</td>
<td>THE THEATER OF ASIA INDIAN DRAMA</td>
<td>WATCH &quot;RAJA EDEPUS&quot;</td>
</tr>
<tr>
<td>4</td>
<td>INDIAN DRAMA</td>
<td>THE THEATER OF ASIA INDIAN DRAMA</td>
<td>TAKE TEST ONE ONLINE</td>
</tr>
</tbody>
</table>
| WEEK 5 | CHINESE THEATRE: TANG, SONG, YUAN AND MING DYNASTIES | THE THEATER OF ASIA CHINESE THEATRE | WATCH DOCUMENTARY "MONKEY KING LOOKS WEST"


| WEEK 8 | JAPANESE THEATRE: NOH THEATRE | THE THEATER OF ASIA JAPANESE THEATRE | WATCH YouTube PLAYLISTS ON NOH AND KABUKI, COMPARE TO CHINESE OPERA


| WEEK 11 | AFRICAN THEATRE | THE THEATER OF AFRICA AND THE AFRICAN DIASPORA | WATCH YouTube PLAYLISTS ON AFRICAN MASQUERADES

| WEEK 12 | CARIBBEAN THEATRE | THE THEATER OF AFRICA AND THE AFRICAN DIASPORA CARIBBEAN THEATRE | WATCH TRINIDAD CARNIVAL FOOTAGE

| WEEK 13 |  | THANKSGIVING HOLIDAY! NO CLASSES THIS WEEK |  

| WEEK 14 | LATIN AMERICAN THEATRE | THE THEATER OF LATIN AMERICA | WATCH "SARAFINA!"


The additional reading is posted on eCampus
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<td>2</td>
<td>WEEK 2</td>
<td>RITUAL AND THE ORIGINS OF THEATRE WILL WATCH DOCUMENTARY IN CLASS</td>
<td>3</td>
<td>TEXTBOOK READING FOR THIS WEEK: STORIES, RITUALS &amp; THEATRE FROM THEATRE TO DRAMA</td>
<td>4</td>
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<td>7</td>
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<td>9</td>
<td>WEEK 3</td>
<td>INDIAN DRAMA</td>
<td>WATCH &quot;RAJA EDEPUS&quot;</td>
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<td>16</td>
<td>WEEK 4</td>
<td>INDIAN DRAMA</td>
<td>TAKE TEST ONE ONLINE</td>
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<td>23</td>
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<td>26</td>
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<td></td>
<td>TEXTBOOK READING FOR THIS WEEK: THE THEATER OF ASIA – CHINESE THEATRE</td>
<td>TEST ONE CLOSES</td>
<td>DOCUMENTARY &quot;MONKEY KING LOOKS WEST&quot;</td>
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<td><strong>WEEK 6</strong></td>
<td><strong>CHINESE THEATRE</strong></td>
<td>Watch &quot;FAREWELL MY CONCUBINE&quot;</td>
<td>1 TEXTBOOK READING FOR THIS WEEK: THEATER OF ASIA – CHINESE THEATRE</td>
<td><strong>READING ASSIGNMENT:</strong> JOURNAL ARTICLE ON CHINESE OPERA</td>
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<td><strong>WEEK 7</strong></td>
<td><strong>CHINESE THEATRE</strong></td>
<td>TAKE TEST TWO ONLINE</td>
<td>8 TEXTBOOK READING FOR THIS WEEK: THEATER OF ASIA – CHINESE THEATRE</td>
<td><strong>READING ASSIGNMENT:</strong> JOURNAL ARTICLE ON CHINESE COMMUNISM/OPERA</td>
<td>9</td>
<td>10 TEST TWO OPENS</td>
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<tr>
<td><strong>WEEK 8</strong></td>
<td><strong>TEST TWO CLOSES</strong></td>
<td><strong>JAPANESE THEATRE</strong></td>
<td>WILL WATCH YouTube PLAYLISTS IN CLASS</td>
<td>15 midsemester grades</td>
<td><strong>TEXTBOOK READING FOR THIS WEEK:</strong> THEATER OF ASIA – JAPANESE THEATRE</td>
<td>16</td>
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<td><strong>WEEK 9</strong></td>
<td><strong>JAPANESE THEATRE</strong></td>
<td>Watch &quot;THRONE OF BLOOD&quot;</td>
<td>22 TEXTBOOK READING FOR THIS WEEK: THEATER OF ASIA – JAPANESE THEATRE</td>
<td><strong>READING ASSIGNMENT:</strong> JOURNAL ARTICLE ON KABUKI THEATRE</td>
<td>23</td>
<td>24</td>
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<td><strong>WEEK 10</strong></td>
<td><strong>JAPANESE THEATRE</strong></td>
<td>TAKE TEST THREE ONLINE</td>
<td>29 TEXTBOOK READING FOR THIS WEEK: THEATER OF ASIA – JAPANESE THEATRE</td>
<td><strong>READING ASSIGNMENT:</strong> BOOK EXCERPT ON SUZUKI'S THEATRE</td>
<td>30</td>
<td>31 TEST THREE OPENS</td>
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<td><strong>4</strong> WEEK 11</td>
<td><strong>5</strong> TEXTBOOK READING FOR THIS WEEK: THE THEATER OF AFRICA AND THE AFRICAN DIASPORA</td>
<td><strong>6</strong></td>
<td><strong>7</strong></td>
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<tr>
<td><strong>11</strong> WEEK 12</td>
<td><strong>12</strong> TEXTBOOK READING FOR THIS WEEK: THE THEATER OF AFRICA AND THE AFRICAN DIASPORA – CARIBBEAN THEATRE</td>
<td><strong>13</strong></td>
<td><strong>14</strong></td>
<td><strong>15</strong></td>
<td><strong>16</strong></td>
<td><strong>17</strong></td>
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<tr>
<td><strong>18</strong> WEEK 13</td>
<td><strong>19</strong> NO CLASS!!</td>
<td><strong>20</strong></td>
<td><strong>21</strong> READING DAY – NO CLASSES</td>
<td><strong>22</strong> THANKSGIVING – NO CLASSES</td>
<td><strong>23</strong> THANKSGIVING – NO CLASSES</td>
<td><strong>24</strong></td>
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<tr>
<td><strong>25</strong> WEEK 14</td>
<td><strong>26</strong> TEXTBOOK READING FOR THIS WEEK: THE THEATER OF LATIN AMERICA</td>
<td><strong>27</strong></td>
<td><strong>28</strong></td>
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<td>WEEK 15 LATIN AMERICAN THEATRE AUGUSTO BOAL’S THEATRE OF THE OPRESSED TAKE TEST FOUR ONLINE</td>
<td>3 REDEFINED DAY – THERE WILL BE CLASS READING ASSIGNMENT: TWO JOURNAL ARTICLES ON BOAL</td>
<td>4</td>
<td>5 LAST DAY OF CLASS TEST FOUR OPENS</td>
<td>6</td>
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Course Change Request

Date Submitted: 05/24/18 1:31 pm

Viewing: **VIST 491 : Research**

Last approved: 03/13/18 3:25 am
Last edit: 05/29/18 8:44 am

Changes proposed by: traciz

Catalog Pages referencing this course:
- Department of Visualization
- VIST - Visual Studies (VIST)

Faculty Senate Number

Contact(s)

<table>
<thead>
<tr>
<th>Name</th>
<th>E-mail</th>
<th>Phone</th>
</tr>
</thead>
<tbody>
<tr>
<td>Terry Larsen</td>
<td><a href="mailto:trl@viz.tamu.edu">trl@viz.tamu.edu</a></td>
<td>979-845-3465</td>
</tr>
<tr>
<td>Traci Zaragoza</td>
<td><a href="mailto:traciz@tamu.edu">traciz@tamu.edu</a></td>
<td>979-845-3465</td>
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</tbody>
</table>

Rationale for Course Edit

The proposed changes are part of a routine curriculum review.

Course prefix: VIST  
Course number: 491

Department: Visualization
College/School: Architecture
Academic Level: Undergraduate

Undergraduate course level justification (Select One)
- Prerequisites

*All prerequisites will be enforced through COMPASS.*

Effective term: 2018-2019

Complete Course Title: Research

Abbreviated Course Title: RESEARCH

Catalog course description:

Research conducted under the direction of faculty members in visualization; emphasis on visual studies.

Prerequisites and Restrictions

Upper division in Visualization; approval of instructor and undergraduate program coordinator.

Concurrent Enrollment: No

Should catalog prerequisites: No
<table>
<thead>
<tr>
<th>Concurrent enrollment be enforced?</th>
<th>No</th>
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<td>Crosslisted With</td>
<td>No</td>
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<tr>
<td>Stacked</td>
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<td>Stacked with</td>
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<th>Semester</th>
<th>Contact Hour(s) (per week):</th>
<th>Lecture</th>
<th>Lab</th>
<th>Other</th>
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<thead>
<tr>
<th>Repeatable for credit?</th>
<th>Yes</th>
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<tbody>
<tr>
<td>Number of times repeated for credit</td>
<td>2 - OR -</td>
</tr>
<tr>
<td>When will this course be repeated?</td>
<td>Within a student's career</td>
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<tr>
<td>Three-peat?</td>
<td>Yes</td>
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<td>Default Grade Mode</td>
<td>Letter Grade (G)</td>
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<tr>
<td>Alternate Grade Modes</td>
<td>Satisfactory/Unsatisfactory</td>
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<tr>
<td>Method of instruction</td>
<td>Research</td>
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<thead>
<tr>
<th>Will sections of this course be taught as non-traditional? (i.e., parts of term, distance education)</th>
<th>No</th>
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</thead>
<tbody>
<tr>
<td>Will this course be taught as a distance education course?</td>
<td>No</td>
</tr>
<tr>
<td>Is 100% of this course going to be taught in Texas?</td>
<td>Yes</td>
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<tr>
<td>Will classroom space be needed for this course?</td>
<td>Yes</td>
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</table>

This will be a required course or an elective course for the following programs:

**Required (select program)**

**Elective (select program)**

<table>
<thead>
<tr>
<th>Program(s)</th>
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<tbody>
<tr>
<td>(BS-VIST) Visualization - BS</td>
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Has/will this course be(en) submitted for core curriculum consideration? | No |
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<tbody>
<tr>
<td>Has/will this course be(en) submitted for Writing or Communication consideration?</td>
<td>No</td>
</tr>
<tr>
<td>Has/will this course be(en) submitted for ICD or CD consideration?</td>
<td>No</td>
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### Course Syllabus

<table>
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<tr>
<th>Syllabus:</th>
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<tr>
<td>Upload syllabus</td>
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<tr>
<td>Letters of support or other documentation</td>
<td>No</td>
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<tr>
<td>Additional information</td>
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<tr>
<td>Reviewer Comments</td>
<td>Sandra Williams (sandra-williams) (11/05/18 2:49 pm): UCC approved November 2018.</td>
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<tr>
<td>Reported to state?</td>
<td>No</td>
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Key: 15633