# Course Change Request

**Date Submitted:** 03/25/19 3:40 pm

**Viewing:** **MARB 445 : Marine Fisheries Management**

**Last approved:** 02/24/18 3:29 am  
**Last edit:** 03/28/19 3:30 pm  
**Changes proposed by:** ballr

## Catalog Pages referencing this course
- Department of Marine Biology
- MARB - Marine Biology (MARB)

## Programs referencing this course
- BS-MARF: Marine Fisheries - BS
- BS-OCRE: Ocean and Coastal Resources - BS

## Faculty Senate Number
- FS.35.114

## Contact(s)

<table>
<thead>
<tr>
<th>In Workflow</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. MARB Department Head</td>
</tr>
<tr>
<td>2. Curricular Services Review</td>
</tr>
<tr>
<td>3. GV Committee Preparer UG</td>
</tr>
<tr>
<td>4. GV Committee Chair UG</td>
</tr>
<tr>
<td>5. GV College Dean UG</td>
</tr>
<tr>
<td>6. UCC Preparer</td>
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<tr>
<td>7. UCC Chair</td>
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<tr>
<td>8. Faculty Senate Preparer</td>
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<tr>
<td>9. Faculty Senate</td>
</tr>
<tr>
<td>10. Provost II</td>
</tr>
<tr>
<td>11. President</td>
</tr>
<tr>
<td>12. Curricular Services</td>
</tr>
<tr>
<td>13. Banner</td>
</tr>
</tbody>
</table>

## Approval Path

1. 03/26/19 9:18 pm  
   Rachel Ball (ballr): Approved for MARB Department Head  
2. 03/28/19 3:30 pm  
   Sandra Williams (sandra-williams): Approved for Curricular Services Review  
3. 04/01/19 10:28 am  
   Meredith Zalesak (zalesakm): Approved for GV Committee Preparer UG  
4. 04/01/19 10:30 am  
   Meredith Zalesak (zalesakm): Approved for GV
Marine Fisheries Management

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

**Course prefix**
MARB

**Course number**
445

**Department**
Marine Biology

**College/School**
Galveston Campus

**Academic Level**
Undergraduate

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

**Prerequisites**

All prerequisites will be enforced through COMPASS.

**Academic Level (alternate)**
Graduate

**Effective term**
2020-2021 2019-2020 Galveston

**Complete Course Title**
Marine Fisheries Management

**Abbreviated Course Title**
FISHERIES MANAGEMENT

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<table>
<thead>
<tr>
<th>Name</th>
<th>E-mail</th>
<th>Phone</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rachel Ball</td>
<td><a href="mailto:ballr@tamug.edu">ballr@tamug.edu</a></td>
<td>4097404531</td>
</tr>
</tbody>
</table>

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**History**
1. Feb 24, 2018 by Rachel Ball (ballr)
Catalog course description: Basic knowledge from marine ichthyology, biology of fishes and biological oceanography related to applied aspects of marine fisheries sciences; emphasis placed on management techniques applicable to tidal-influenced inland water, estuaries, and oceans. Emphasis placed on management techniques applicable to tidal-influenced inland, estuaries, and oceans.

Prerequisites and Restrictions:

- **MARB 311.** Junior or senior classification or approval of instructor.

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></td>
<td>MARB 311</td>
<td>D</td>
<td>UG</td>
<td></td>
</tr>
</tbody>
</table>

Crosslistings: No

Stacked: No

Semester Credit Hour(s): 3

- Lecture: 3
- Lab: 0
- Other: 0
- Total: 3

Repeatable for credit: No

Three-peat?: No

CIP/Fund Code: 0303010005

Default Grade Mode: Letter Grade (G)

Alternate Grade Modes: Satisfactory/Unsatisfactory

Method of instruction: Lecture

Will this course be taught at another branch? Yes

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>Required (select program)</th>
<th>Program(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>(BS-MARF) Marine Fisheries - BS</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Elective (select program)</th>
<th>Program(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>(BS-MARB) Marine Biology - BS</td>
<td></td>
</tr>
</tbody>
</table>

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 submitted for ICD or CD consideration? No

**Course Syllabus**

- Syllabus: Upload syllabus
  - Upload syllabus: MARB_445_FisheriesManagement_14weeks_FY18.docx

- Letters of support or other documentation
  - No Yes

- Additional information
  - Update to pre-requisites.
Reviewer

Sandra Williams (sandra-williams) (03/28/19 3:30 pm): Syllabus not required for this type of change.

Sandra Williams (sandra-williams) (05/03/19 4:58 pm): UCC approved May 2019.

Reported to state?

Change
GV
No
## Course Change Request

**Date Submitted:** 02/28/19 2:08 pm

**Viewing:** **MARE 451 : Senior Design Project I**

**Last edit:** 03/05/19 1:18 pm

Changes proposed by: kanem

<table>
<thead>
<tr>
<th>Catalog Pages referencing this course</th>
<th>Programs referencing this course</th>
</tr>
</thead>
<tbody>
<tr>
<td>Department of Marine Engineering Technology</td>
<td>BS-MARR: Marine Engineering Technology - BS</td>
</tr>
<tr>
<td>MARE - Marine Engr Technology (MARE)</td>
<td>BS/MML-MARR/MAAL-GAD: Marine Engineering Technology - 5-</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Faculty Senate Number</th>
</tr>
</thead>
</table>

**Contact(s)**

---

**Approval Path**

1. 01/30/19 10:51 am
   Matt Kane
   (kanem): Approved for MARE Department Head

2. 02/04/19 3:49 pm
   Terra Bissett
   (t.bissett): Rollback to Initiator

3. 02/28/19 2:11 pm
   Matt Kane
   (kanem): Approved for MARE Department Head

4. 03/01/19 3:55 pm
   Terra Bissett
   (t.bissett): Approved for Curricular Services Review

5. 04/01/19 10:28 am
   Meredith Zalesak
The proposed changes are part of a routine curriculum review.
Complete Course Title | Senior Design Project I
Abbreviated Course Title | SR DESIGN PROJECT I

Catalog course description
Introduction to design, modeling, testing and validation processes. Design of equipment, components or systems for marine and related power generation applications. Complete design process including: Design, modeling, testing and validation processes; design definition of equipment, components or systems; research for marine existing designs and related technologies; conceptualization and related power evaluation of alternatives; development of preliminary design, refining and generation applications; complete design process including definition of the problem, research for existing designs and related technologies, conceptualization of final design and evaluation of alternatives, development of preliminary design, refining and generation of final design and documents.

Prerequisites and Restrictions
Grade of C or better in MARE 206, MARE 242, MARE 306, MARE 309, MARE 311, MARE 312, MARE 313, or PHYS 208 (or concurrent enrollment; enrollment) and senior classification.

Concurrency
No

Should catalog prerequisites / concurrent enrollment be enforced?
Yes

<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</td>
<td>MARE 206</td>
<td>C, D</td>
<td>UG</td>
<td>No</td>
</tr>
<tr>
<td>And</td>
<td>MARE 242</td>
<td>D</td>
<td>UG</td>
<td>Yes No</td>
</tr>
<tr>
<td>And</td>
<td>MARE 306</td>
<td>D</td>
<td>UG</td>
<td>Yes No</td>
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<td>And</td>
<td>MARE 309</td>
<td>D</td>
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<td>MARE 311</td>
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<td>MARE 312</td>
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<td>UG</td>
<td>No</td>
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<tr>
<td>And</td>
<td>MARE 313</td>
<td>D</td>
<td>UG</td>
<td>Yes No</td>
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<tr>
<td>And</td>
<td>PHYS 208</td>
<td>D</td>
<td>UG</td>
<td>Yes</td>
</tr>
</tbody>
</table>

Crosslistings: No
Stacked: No

Semester 2 Credit Hour(s): Contact Hour(s) (per week): Lecture: 1 Lab: 3 Other: 0 Total 4
Repeatable for credit? No
Three-peat? No

https://nextcatalog.tamu.edu/courseleaf/approve/?role=Faculty Senate
CIP/Fund Code: 1515020006
Default Grade Mode: Letter Grade (G)
Alternate Grade Modes: Satisfactory/Unsatisfactory
Method of instruction: Lecture and Laboratory

Will this course be taught at another branch? **No**
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>
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<tbody>
<tr>
<td>(BS-MARR) Marine Engineering Technology - 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

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**Course Syllabus**

Syllabus: Upload syllabus

Upload syllabus

Letters of support or other documentation No

Additional information

Reviewer Comments

**Terra Bissett (t.bissett) (02/04/19 1:08 pm):** Removed "Introduction to" and made minor updates to catalog course description and catalog prerequisites to comply with catalog style guide.

**Terra Bissett (t.bissett) (02/04/19 3:49 pm):** Rollback: Please confirm the prerequisites that can be taken as concurrent enrollment. Is it all three: MARE 242, MARE 306, and MARE 313?

**Matt Kane (kanem) (02/28/19 2:11 pm):** Concurrency are correct for those 3 courses; MARR 451 should match but is not allowing edits.

**Terra Bissett (t.bissett) (03/01/19 3:53 pm):** Comments addressed.

**Sandra Williams (sandra-williams) (05/03/19 4:58 pm):** UCC approved May 2019.

Reported to state? No

Key: 9884
Course Change Request

Date Submitted: 02/28/19 2:09 pm

Viewing: **MARR 451: Senior Capstone Project I**

Last edit: 03/05/19 1:18 pm

Changes proposed by: kanem

Catalog Pages referencing this course

- Department of Marine Engineering Technology
- MARR - Marine Engr Technology (MARR)

Programs referencing this course

- BS-MARR-LIO: Marine Engineering Technology - BS, License Option

Faculty Senate Number

Contact(s)

In Workflow
1. MARE Department Head
2. Curricular Services Review
3. GV Committee Preparer UG
4. GV Committee Chair UG
5. GV 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. 02/28/19 2:11 pm
   Matt Kane (kanem): Approved for MARE Department Head
2. 03/01/19 4:00 pm
   Terra Bissett (t.bissett): Approved for Curricular Services Review
3. 04/01/19 10:28 am
   Meredith Zalesak (zalesakm): Approved for GV Committee Preparer UG
4. 04/01/19 10:30 am
   Meredith Zalesak (zalesakm): Approved for GV

https://nextcatalog.tamu.edu/courseleaf/approve/?role=Faculty Senate
### Rationale for Course Edit
The proposed changes are part of a routine curriculum review.

<table>
<thead>
<tr>
<th>Name</th>
<th>E-mail</th>
<th>Phone</th>
</tr>
</thead>
<tbody>
<tr>
<td>Matt Kane</td>
<td><a href="mailto:kanem@tamug.edu">kanem@tamug.edu</a></td>
<td>409-740-4878</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Course prefix</th>
<th>Course number</th>
<th>Department</th>
<th>College/School</th>
<th>Academic Level</th>
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<tbody>
<tr>
<td>MARR</td>
<td>451</td>
<td>Marine Engineering Technology</td>
<td>Galveston Campus</td>
<td>Undergraduate</td>
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</table>

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

**Prerequisites**

All prerequisites will be enforced through COMPASS.

<table>
<thead>
<tr>
<th>Academic Level</th>
<th>Graduate</th>
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<table>
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<tr>
<th>Effective term</th>
<th>2020-2021</th>
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<table>
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<tr>
<th>Complete Course Title</th>
<th>Senior Capstone Project I</th>
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<table>
<thead>
<tr>
<th>Abbreviated Course Title</th>
<th>SENIOR CAPSTONE PROJECT I</th>
</tr>
</thead>
</table>

| Catalog course description | Design, modeling, testing and validation processes; design of equipment, components, or systems for seagoing vessels; use of design manuals, material/equipment specifications and industry regulations applicable to marine engineering technology. Senior classification. |

Committee Chair
UG
5. 04/01/19 11:52 am
Patrick Louchouarn (loup): Approved for GV College
Dean UG
6. 04/10/19 10:21 am
Sandra Williams (sandra-williams): Approved for UCC
Preparer
7. 05/03/19 4:59 pm
Sandra Williams (sandra-williams): Approved for UCC
Chair
Prerequisites and Restrictions

Grade of C or better in MARE 206; MARE 206, 242, MARE 309, and MARE 313, or concurrent enrollment; senior classification. MARR 306, 311, 312; PHYS 208.

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>
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<tr>
<td>And</td>
<td>PHYS 208</td>
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<td></td>
<td>No</td>
</tr>
</tbody>
</table>

Crosslistings

No

Semester 2 Credit Hour(s)

Contact Hour(s) (per week):

Lecture: 1
Lab: 3
Other: 0
Total 4

Repeatable for credit?

No

Three-peat?

No

CIP/Fund Code

1515020006

Default Grade Mode

Letter Grade (G)

Alternate Grade Modes

Satisfactory/Unsatisfactory

Method of instruction

Lecture and Laboratory

Will this course be taught at another branch?

No

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:

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<th>Has/will this course be(en) submitted for core curriculum consideration?</th>
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<th>Has/will this course be(en) submitted for ICD or CD consideration?</th>
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</tbody>
</table>

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**Course Syllabus**

Syllabus:  
Upload syllabus

Upload syllabus
<table>
<thead>
<tr>
<th>Letters of support or other documentation</th>
<th>No</th>
</tr>
</thead>
<tbody>
<tr>
<td>Additional information</td>
<td></td>
</tr>
<tr>
<td>Reviewer</td>
<td>Comments</td>
</tr>
<tr>
<td>Matt Kane (kanem) (02/28/19 2:11 pm): MARE 242, 306, and 313 should allow concurrency; does not allow edits in CARS for some reason.</td>
<td></td>
</tr>
<tr>
<td>Terra Bissett (t.bissett) (03/01/19 3:52 pm): Minor edits made to catalog prerequisites to comply with catalog style guide.</td>
<td></td>
</tr>
<tr>
<td>Sandra Williams (sandra-williams) (05/03/19 4:59 pm): UCC approved May 2019.</td>
<td></td>
</tr>
<tr>
<td>Reported to state?</td>
<td>No</td>
</tr>
</tbody>
</table>
Course Change Request

Date Submitted: 02/26/19 9:47 am

Viewing: **MARS 281: Sophomore Seminar in Marine Sciences**

Last edit: 04/16/19 9:37 am
Changes proposed by: parkk

**In Workflow**
1. MARS Department Head
2. Curricular Services Review
3. GV Committee Preparer UG
4. GV Committee Chair UG
5. GV 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. 02/26/19 9:51 am
   Kyeong Park (parkk): Approved for MARS Department Head
2. 03/01/19 11:47 am
   Terra Bissett (t.bissett): Approved for Curricular Services Review
3. 03/04/19 4:42 pm
   Meredith Zalesak (zalesakm): Approved for GV Committee Preparer UG
4. 03/05/19 3:35 pm
   Meredith Zalesak (zalesakm): Approved for GV Committee Chair UG

**Contact(s)**

Catalog Pages referencing this course:
- Department of Marine Sciences
- MARS - Marine Science (MARS)

Programs referencing this course:
- BS-OCRE: Ocean and Coastal Resources - BS
- BS-MARS-LIO: Marine Sciences - BS, License Option
5. 03/05/19 9:53 pm
Patrick Louchouarn (loup): Approved for GV College Dean UG

6. 03/08/19 3:34 pm
Sandra Williams (sandra-williams): Approved for UCC Preparer

7. 04/05/19 1:40 pm
Sandra Williams (sandra-williams): Rollback to GV College Dean UG for UCC Chair

8. 04/10/19 5:04 pm
Donna Lang (langd): Approved for GV College Dean UG

9. 04/11/19 1:24 pm
Sandra Williams (sandra-williams): Approved for UCC Preparer

10. 04/11/19 4:51 pm
Sandra Williams (sandra-williams): Rollback to GV College Dean UG for UCC Chair

11. 04/16/19 11:54 am
Meredith Zalesak (zalesakm): Approved for GV College Dean UG

12. 04/16/19 12:44 pm
Sandra Williams (sandra-williams): Approved for UCC Preparer

13. 04/17/19 8:26 am
Sandra Williams (sandra-williams): Approved for UCC Chair
<table>
<thead>
<tr>
<th>Name</th>
<th>E-mail</th>
<th>Phone</th>
</tr>
</thead>
<tbody>
<tr>
<td>Kyeong Park</td>
<td><a href="mailto:parkk@tamug.edu">parkk@tamug.edu</a></td>
<td>4097404710</td>
</tr>
</tbody>
</table>

Rationale for Course Edit
Other

Explain other rationale
To teach it online

Course prefix  MARS  Course number 281

Department   Marine Sciences

College/School   Galveston Campus

Academic Level   Undergraduate

Undergraduate course level justification (Select One)
Prerequisites

All prerequisites will be enforced through COMPASS.

Effective term  2018-2019 Summer Galveston

Complete Course Title   Sophomore Seminar in Marine Sciences

Abbreviated Course Title   SOPHOMORE SEMINAR

Catalog course description
Compilation and discussions of literature pertaining to topics in marine sciences. Emphasis placed upon preparation and presentation of a written report.

Prerequisites and Restrictions
Sophomore standing or approval of instructor.

Should catalog prerequisites / concurrent enrollment be enforced?
No

Crosslistings
No

Crosslisted With

Stacked
No

Stacked with

<table>
<thead>
<tr>
<th>Semester 1</th>
<th>Contact Hour(s) (per week): Lecture: 1 Lab: 0 Other: 0 Total</th>
</tr>
</thead>
</table>
| Credit Hour(s) No

Repeatable for credit?
No

CIP/Fund Code  3032010302

Default Grade Mode   Letter Grade (G)

Method of instruction   Lecture
Will this course be taught at another branch? No

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 was used to be taught in class, and its learning outcomes remain the same when teaching it online.

Hours

Meets traditional face-to-face hours.

Describe how hours are met or provide justification why they are not met.
For the non-traditional course offering, the MARS Department faculty reviewed the other academic activities, which require active faculty engagement with the students that could be considered equivalent to face-to-face contact hours from TAMU University Rule 11.03.99.M1 Section 2.1. In their review, the faculty considered A) whether the alternate academic activity was required and structured and B) whether the total set of alternate academic activities were sufficient to be considered equivalent to a traditional course. Based on this evidence, the faculty concluded that contact hour requirements for the non-traditional course offering are equivalent to a traditional course.

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? No

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

<table>
<thead>
<tr>
<th>Program(s)</th>
</tr>
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<tbody>
<tr>
<td>(BS-MARS) Marine Sciences - BS</td>
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<tr>
<td>(BS-MARS-LIO) Marine Sciences - BS, License Option</td>
</tr>
<tr>
<td>(BS-OCRE) Ocean and Coastal Resources - BS</td>
</tr>
</tbody>
</table>
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

Upload syllabus
MARS 281 Online Revised.docx
MARS 281 Traditional.docx

Letters of support or other documentation
No

Additional information

Reviewer Comments

Terra Bissett (t.bissett) (03/01/19 11:46 am): A traditional and non-traditional syllabus may be required if the course is seeking non-traditional format approval.

Jon Jasperson (jon.jasperson) (04/01/19 4:11 pm): A) need traditional and non-traditional syllabus; B) course must meet traditional contact hours to be approved; C) need link to student rule 7

Sandra Williams (sandra-williams) (04/05/19 1:40 pm): Rollback: Please submit updates that address concerns.

Meredith Zalesak (zalesakm) (04/05/19 3:52 pm): Revised syllabi attached.

Sandra Williams (sandra-williams) (04/11/19 4:51 pm): Rollback: Please update as requested.

Meredith Zalesak (zalesakm) (04/14/19 10:37 am): Revised syllabus attached.
Meredith Zalesak (zalesakm) (04/16/19 9:37 am): "Meets traditional face to face hours" box checked and revised justification paragraph inserted.

Sandra Williams (sandra-williams) (04/17/19 8:26 am): Concerns addressed

Sandra Williams (sandra-williams) (04/17/19 8:26 am): UCC approved April 2019.
Marine Sciences Seminar
MARS 281 (CRN: 30162)
Dr. Ashley D. Ross (ashleydross@tamug.edu)
Online Course

Course Description and Prerequisites
Compilation and discussions of literature pertaining to topics in marine sciences. Emphasis is placed on science communication. Prerequisites: Sophomore standing or approval of instructor.

Learning Outcomes
At the end of this course, students will be able to:

1. **Identify scientific studies from diverse disciplines.** Critical thinking requires that we use evidence in a variety of forms. The ability to identify key concepts, methods, findings, and implications of scientific research is critical to creating a sound evidence base for proficient communication in the field of Marine Sciences.

2. **Summarize scientific studies.** To be a good communicator of science, you must be able to condense scientific studies into key components and communicate those components in plain language, free from jargon.

3. **Identify principles for communication to different audiences.** There are a variety of audiences in scientific communication, including different scientific disciplines, the public, and policymakers. Knowing how to tailor messages and package those messages is important for good science communication. Also critical is engaging in policy issues without being political.

Instructor Information
Professor: Ashley D. Ross
Telephone number: (409) 740-4485
Email address: ashleydross@tamug.edu
Office hours: By appointment
Office location: Ocean and Coastal Studies Building (OCSB, Building #3029), Room 358

Textbooks & Required Materials
All required reading and course materials will be available on eCampus.

Course Requirements & Grading Policies

**Course Requirements & Assignments**
The course is broken into 15 learning modules, which will be released each week on Sunday morning and whose assignments will be due Saturday by 11:59pm. This means that you may work at your own pace in completion of the course requirements and assignments. Each module will contain the following four components:
1) **Reading Reaction Post**

There are assigned readings for each learning module. You should prepare for the learning module by first completing this reading. To demonstrate that you have completed this reading, you will submit a Reading Reaction Post. These are short, informal writing assignments that are not summaries of the reading but rather brief reflections of your reaction to the reading – what new terms or concepts stood out to you, how the ideas presented in the reading connect to previous readings, and your informed opinion on the applicability of the arguments, ideas, and/or models presented.

These posts should be 150-250 words in length. You will submit your Reading Reaction Post on an eCampus Wiki. These assignments will be graded based on content demonstrating critical thinking, suitable length, and writing quality, using the rubric shown below. Cumulatively these assignments comprise 30% of your final course grade.

**Reading Reaction Post Rubric**

<table>
<thead>
<tr>
<th>Score</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>100</td>
<td>Content demonstrates critical thinking about the readings. The post is 150-250 words in length and is free from glaring spelling and grammar errors.</td>
</tr>
<tr>
<td>80</td>
<td>Content presents some critical reflection on the reading but is predominantly a summary or description of the arguments. However, the post is appropriate in length (150-250 words) and free of obvious spelling and grammar errors. OR Content demonstrates critical thinking and reflection but the post is not appropriate length (150-250 words) OR there are multiple spelling and grammar errors that detract from the clarity of the post.</td>
</tr>
<tr>
<td>60</td>
<td>Content describes and summarizes, rather than analyzes and critically reflects. AND/OR The post is not appropriate length (150-250 words) AND there are multiple spelling and grammar errors that detract from the clarity of the post.</td>
</tr>
<tr>
<td>0</td>
<td>No submission.</td>
</tr>
</tbody>
</table>

2) **Videos**

To engage you in each week’s learning module content, there will be a video posted that you should take time to carefully review. These videos will vary in content and style – some are recorded lectures, others are talks given by communication experts, and others are exploration into an applied case related to the content. Your completion of this assignment is critical for understanding the week’s content; however, this is not graded.

3) **Discussion Board Posts**

To interact with your classmates and professor about the week’s learning module content, you are required to post a response on the class discussion board. There will be prompts to respond to, and you should also aim to comment on your peer’s responses as well. Your responses to the prompts are best categorized as informed opinions. As such, you should make a clear claim or argument and provide evidence – from the reading, video, or other sources – to support your perspective. Your claim or argument does not necessarily have to be provocative or conflict-inducing; rather, it simply takes one approach to the issue and elaborates on why you support this perspective.

Your discussion board posts will graded for clarity, use of evidence, and writing quality. You should aim to submit posts that are 100-200 words in length. The posts will graded using the
below rubric. Cumulatively, these assignments comprise 30% of your final course grade. Grades will be posted within two weeks of the due date.

**Discussion Board Post Rubric**

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>100</td>
<td>Content is structured as a claim with sufficient supporting evidence. The post is 100-200 words in length and is free from glaring spelling and grammar errors.</td>
</tr>
<tr>
<td>80</td>
<td>Content presents a perspective but does not offer sufficient evidence to support it. However, the post is appropriate in length (100-200 words) and free of obvious spelling and grammar errors. OR Content presents a claim with sufficient supporting evidence but the post is not appropriate length (100-200 words) OR there are multiple spelling and grammar errors that detract from the clarity of the post.</td>
</tr>
<tr>
<td>60</td>
<td>Content offers a poorly constructed opinion without sufficient evidence to support it. AND/OR The post is not appropriate length (100-200 words) AND there are multiple spelling and grammar errors that detract from the clarity of the post.</td>
</tr>
<tr>
<td>0</td>
<td>No submission.</td>
</tr>
</tbody>
</table>

4) **Learning Activities**

There will be an activity for you to complete with each week’s learning module. These activities require you to apply the concepts and lessons learned in a variety of ways – a short writing assignment, identification of case examples, and creation of visual aids, for example. The grading criteria for each assignment will vary but be made clear with the instructions given. Cumulatively these assignments comprise 40% of your final course grade. Grades will be posted within two weeks of the due date.

**Final Course Grade**

Final course grades are calculated based on the following weights:

- Reading Reaction Posts 30%
- Discussion Board Posts 30%
- Learning Activities 40%

Final grades will be posted by December 12 for graduates and December 16 for all other students.

**Grading Scale**

Course grades are assigned as follows:

- A = 90-100
- B = 80-89
- C = 70-79
- D = 60-69
- F = 59 and below
Attendance & Make-Up Policies

Statement on Absences (Attendance):
Information concerning absences is contained in the University Student Rules Section 7
(http://www.tamug.edu/stulife/Academic_Rules/7_Attendance.html). The University views class
attendance as an individual student responsibility. All students are expected to attend class and to
complete all assignments. Please consult the University Student Rules for reasons for excused absences,
detailed procedures and deadlines as well as student grievance procedures (Part III, Section 45).

Make-up Policy:
If an absence is excused, the instructor will either provide the student an opportunity to make up any quiz, 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. If the instructor has a regularly scheduled make up exam, students are expected to attend unless they have a university approved excuse. 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. Reasons for absences that are considered excused by the university are found in Student Rule 7 (http://www.tamug.edu/stulife/Academic_Rules/7_Attendance.html). 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.

In cases where advance 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.

Classroom Policies

Class Participation
You are expected to be prepared for each learning module and actively participate in class discussion
and activities. You should approach this course as an online learning community where your participation and contributions matter just as much as if we were meeting in person.

Course Communication
All emails sent to instructors directly or via eCampus/Blackboard email will be responded to within 72 hours during the work week (Monday-Friday). Emails sent on the weekend (after Friday at 5pm through Monday at 8am) will be responded to the following week. Please be mindful of this email policy when meeting course deadlines.

University Policies

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 the Counseling Office, Seibel Student Center, or call (409) 740-4587. For additional information visit http://www.tamug.edu/counsel/Disabilities.html
**Academic Integrity, Cheating, & Plagiarism**

“An Aggie does not lie, cheat or steal, or tolerate those who do.” The below descriptions of academic misconduct and dishonesty detail the Aggie Honor Code, which may be found at: 
http://www.tamug.edu/HonorSystem/

**Privacy – Family Educational Rights and Privacy Act**

FERPA is a federal law designed to protect the privacy of educational records by limiting access to these records, to establish the right of students to inspect and review their educational records and to provide guidelines for the correction of inaccurate and misleading data through informal and formal hearings. Currently enrolled students wishing to withhold any or all directory information items may do so by going to https://howdy.tamu.edu and clicking on the "Directory Hold Information" link in the Student Records channel on the MyRecord tab.

Directory items include name, UIN, local address, permanent address, email address, local telephone number, permanent telephone number, dates of attendance, program of study (college, major, campus), classification, previous institutions attended, degrees honors and awards received, participation in officially recognized activities and sports, medical residence location and medical residence specialization.

The complete FERPA notice to students and the student records policy is available at the Office of the Registrar webpage: http://registrar.tamu.edu/Catalogs,-Policies-Procedures/FERPA/FERPA-Notice-to-Students#0-StatementofRights
## Tentative Course Schedule
Course submit to change with advance notice.

<table>
<thead>
<tr>
<th>Date</th>
<th>Topic</th>
<th>Reading</th>
<th>Assignments</th>
</tr>
</thead>
</table>
Reading Reaction 1  
Discussion 1 |
Reading Reaction 2  
Discussion 2 |
Reading Reaction 3  
Discussion 3 |
Reading Reaction 4  
Discussion 4 |
Reading Reaction 5  
Discussion 5 |
Reading Reaction 6  
Discussion 6 |
Reading Reaction 7  
Discussion 7 |
Reading Reaction 8  
Discussion 8 |
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<th></th>
<th>Activity</th>
<th>Description</th>
<th>Reading Reaction</th>
<th>Discussion</th>
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<tbody>
<tr>
<td>9</td>
<td>Activity 9</td>
<td>Using Visuals to Communicate Science</td>
<td>Activity 9 Reading Reaction 9 Discussion 9</td>
<td></td>
</tr>
<tr>
<td>10</td>
<td>Activity 10</td>
<td>Communicating with the Public</td>
<td>Activity 10 Reading Reaction 10 Discussion 10</td>
<td></td>
</tr>
<tr>
<td>11</td>
<td>Activity 11</td>
<td>Role of Science in Public Policy</td>
<td>Activity 11 Reading Reaction 11 Discussion 11</td>
<td></td>
</tr>
<tr>
<td>12</td>
<td>Activity 12</td>
<td>Communicating with Policymakers</td>
<td>Activity 12 Reading Reaction 12 Discussion 12</td>
<td></td>
</tr>
<tr>
<td>13</td>
<td>Activity 13</td>
<td>Science &amp; Social/Political Values</td>
<td>Activity 13 Reading Reaction 13 Discussion 13</td>
<td></td>
</tr>
<tr>
<td>14</td>
<td>Activity 14</td>
<td>Applying this Course to Your Studies</td>
<td>Activity 14 Reading Reaction 14 Discussion 14</td>
<td></td>
</tr>
</tbody>
</table>
Marine Sciences Seminar
MARS 281 (CRN: 30185)
Dr. Ashley D. Ross (ashleydross@tamug.edu)
Fall 2018, Mondays 4:30-5:20pm, CLB 216

Course Description and Prerequisites
Compilation and discussions of literature pertaining to topics in marine sciences. Emphasis placed upon preparation and presentation of a written report. This is a writing intensive course and counts for 1 credit hour. Prerequisites: Sophomore standing or approval of instructor.

Learning Outcomes
At the end of this course, students will be able to:
1. **Identify scientific studies from diverse disciplines.** Critical thinking requires that we use evidence in a variety of forms. The ability to identify key concepts, methods, findings, and implications of scientific research is critical to creating a sound evidence base for proficient communication in the field of Marine Sciences.
2. **Summarize scientific studies.** To be a good communicator of science, you must be able to condense scientific studies into key component and communicate those components in plain language, free from jargon.
3. **Identify principles for communication to different audiences.** There are a variety of audiences in scientific communication, including different scientific disciplines, the public, and policy-makers. Knowing how to tailor messages and package those messages is important for good science communication. Also critical is engaging in policy issues without being political.

Instructor Information
Professor: Ashley D. Ross
Telephone number: (409) 740-4485
Email address: ashleydross@tamug.edu
Office hours: Monday, 2-4pm; Wednesday, 11am-12pm; or by appointment
Office location: Ocean and Coastal Studies Building (OCSB, Building #3029), Room 358

Graduate Teaching Assistant: Nicholas Wellbrock
Email address: nbwellbrock68@tamu.edu
Office hours: By appointment
Office location: TBA

Textbooks & Required Materials
All required reading and course materials will be available on eCampus.
Course Requirements & Grading Policies
You should understand this course as a learning community for students in the Marine Science majors. As such, we will be working in small groups to realize the course learning outcomes. Groups are assigned as follows:

Group 1  Alba, Erick  
          Blankenship, Kaitlynn  
          Buckelew, Sean  
          Cares, Ava  

Group 2  Cummings, Hunter  
          Daniels, Brittney  
          Faughn, April  
          Flowers, Alyson  

Group 3  Foster, Emma  
          Gage, Ryan  
          Gallop-Shead, Kirsten  
          Hoskins, Marshall  

Group 4  Jackson, Emily  
          Johnson, Kalyn  
          Knaggs, Tabitha  
          Lopez, Aliris  
          McLane, Heather  

Group 5  Norwood, Tawny  
          Owen, Aaron  
          Prevost, Christopher  
          Scott, Michael  
          Selby, Emma  

Group 6  Shaw, Jason  
          Shipley, Olivia  
          Stavinoha, Elizabeth  
          Villarreal, Abigail  
          York, Natalie  

Course Requirements & Assignments

1. In-Class Activities
   Each class meeting we will complete an activity that applies the lessons presented. Class activities will be completed within your group, and all activities are completed in class. They cumulatively comprise 10% of your final course grade. You are not eligible for a make-up assignment unless you have an excused absence. These assignments will be graded for completion, and you will receive full points if you work in your small group to complete it.

2. Participation: Group Evaluation
   Your participation in small groups will be evaluated by your group members. Quality of contributions, openness to others’ ideas, and consistency of contributions will be evaluated.
These evaluations will be completed on eCampus are due by 11:59pm on October 1, November 5, and December 3. Further instructions will be given in class and on eCampus. Group evaluations will cumulatively comprise 10% of your final grade.

3. **Participation: Instructor Evaluation**
   Your participation in small groups will also be evaluated by your instructors. Quality of contributions, openness to others’ ideas, and consistency of contributions will be evaluated through observations made in class. These evaluations will be posted along with mid-term grades on October 15 and final grades on December 17.

4. **Writing Assignment 1: Draft of Abstract**
   To synthesize scientific evidence, you must be able to clarify the scientific publications and be able to represent their main ideas. In this writing assignment, you will identify and summarize for one scientific journal article: the research question, data and methods, key findings, and implications of findings. The abstract will be at least 200 words. This assignment is due by 11:59pm on September 17 via eCampus. The grade on this assignment counts toward 10% of your final course grade. Further instructions and assignment rubric will be given in class and on eCampus.

5. **Writing Assignment 2: Final Abstract**
   Using the feedback received on your draft abstract writing assignment, you will revise and resubmit your abstract as well as two additional abstracts. This assignment will be submitted on eCampus and is due October 22 by 11:59pm. The grade on this assignment counts toward 20% of your final course grade. Further instructions and assignment rubric will be given in class and on eCampus.

6. **Writing Assignment 3: Draft of Report**
   You will choose a topic that represents a social problem solved by Marine Science, Marine Science Management, or related fields. The report will summarize the problem and scientific solutions to it, citing at least 5 sources. It is prudent to use the sources for the abstract in this report. Figures are allowed if they are pertinent to the discussion. This assignment must be reviewed by the Writing Center to be eligible for grading. It is due on eCampus on November 19 by 11:59pm and counts toward 25% of your final course grade. Further instructions and assignment rubric will be given in class and on eCampus.

7. **Writing Assignment 4: Final Report**
   Based on the feedback that you receive on your draft, you will revise your report and resubmit it. This assignment is due on eCampus on December 10 by 11:59pm. It counts toward 15% of your final course grade. Further instructions and assignment rubric will be given in class and on eCampus.

**Final Course Grade**
Undergraduate student final course grades are calculated based on the following weights:

- In-Class Activities: 10%
- Participation: Group evaluation: 10%
- Participation: Instructor evaluation: 10%
- Writing Assignment 1: Draft of Abstract: 10%
Writing Assignment 2: Final Abstract 20%
Writing Assignment 3: Draft of Report 25%
Writing Assignment 4: Final Report 15%

Final course grades will be posted by noon on December 17.

**Grading Scale**
Course grades are assigned as follows:
- A = 90-100
- B = 80-89
- C = 70-79
- D = 60-69
- F = 59 and below

**Attendance & Make-Up Policies**

**Statement on Absences (Attendance):**
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www.tamug.edu/stulife/Academic_Rules/7_Attendance.html](http://www.tamug.edu/stulife/Academic_Rules/7_Attendance.html)). The University views class attendance as an individual student responsibility. All students are expected to attend class and to complete all assignments. Please consult the University Student Rules for reasons for excused absences, detailed procedures and deadlines as well as student grievance procedures (Part III, Section 45).

**Make-up Policy:**
If an absence is excused, the instructor will either provide the student an opportunity to make up any quiz, 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. If the instructor has a regularly scheduled make up exam, students are expected to attend unless they have a university approved excuse. 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. Reasons for absences that are considered excused by the university are found in Student Rule 7 ([http://www.tamug.edu/stulife/Academic_Rules/7_Attendance.html](http://www.tamug.edu/stulife/Academic_Rules/7_Attendance.html)). 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.

In cases where advance 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.
Classroom Policies

Class Participation
You are expected to be prepared for class and actively participate in class discussion and activities. Keep in mind that attendance or simply being present is not the equivalent of engaged participation. In class you should seek opportunities to contribute to group activities and class discussions. You are also expected to be on time. Dr. Ross reserves the right to deny you entrance to class if your tardiness disrupts class activities or discussions.

Course Communication
All emails sent to instructors directly or via eCampus/Blackboard email will be responded to within 48 hours during the work week (Monday-Friday). Emails sent on the weekend (after Friday at 5pm through Monday at 8am) will be responded to the following Monday. Please be mindful of this email policy when meeting course deadlines.

University Policies

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 the Counseling Office, Seibel Student Center, or call (409) 740-4587. For additional information visit http://www.tamug.edu/counsel/Disabilities.html

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Directory items include name, UIN, local address, permanent address, email address, local telephone number, permanent telephone number, dates of attendance, program of study (college, major, campus), classification, previous institutions attended, degrees honors and awards received, participation in officially recognized activities and sports, medical residence location and medical residence specialization.

The complete FERPA notice to students and the student records policy is available at the Office of the Registrar webpage: http://registrar.tamu.edu/Catalogs,-Policies-Procedures/FERPA/FERPA-Notice-to-Students#0-StatementofRights
# Tentative Course Schedule

Course submit to change with advance notice.

<table>
<thead>
<tr>
<th>Date</th>
<th>Topic</th>
<th>Homework &amp; Assignments Due</th>
<th>In Class Assignments</th>
</tr>
</thead>
<tbody>
<tr>
<td>August 27</td>
<td>Course Introduction</td>
<td>None</td>
<td>Activity 1</td>
</tr>
<tr>
<td>September 3</td>
<td>Science &amp; Science Communication</td>
<td>None</td>
<td>Activity 2</td>
</tr>
</tbody>
</table>
| September 10 | Reading Scientific Publications   | 1) Watch video on eCampus: “Interview with Dr. Kyeong Park”  
| September 17 | Understanding Scientific Graphs      | 1) Watch video on eCampus: “Interview with Dr. Sam Brody”  
3) Due on eCampus by 11:59pm: Draft Abstract | Activity 4           |
| September 24 | Juggling Jargon                     | 1) Watch video on eCampus: “Interview with Dr. Van Hengstum”  
| October 1  | Effective Summarizing                | 1) Watch video on eCampus: “Interview with Dr. Retchless”  
3) Due on eCampus by 11:59pm: Group Evaluation | Activity 6           |
| October 8  | Writing Process                      | 1) Watch video on eCampus: “The Writing Process”  
2) Watch video on eCampus: “How to Outline” | Activity 7           |
<table>
<thead>
<tr>
<th>Date</th>
<th>Activity</th>
<th>Instructions</th>
</tr>
</thead>
<tbody>
<tr>
<td>October 29</td>
<td>Research Basics</td>
<td>1) Read article: “6 Reasons Why Citation of Sources is Important When Writing” 2) Visit and browse TAMUG Learning Commons website: <a href="http://www.tamug.edu/learningcommons/">http://www.tamug.edu/learningcommons/</a></td>
</tr>
<tr>
<td>November 5</td>
<td>Making Claims</td>
<td>1) Read article: “Claims, Claims, Claims” 2) Due on eCampus by 11:59pm: Group Evaluation</td>
</tr>
<tr>
<td>November 12</td>
<td>Careers in Marine Sciences</td>
<td>None</td>
</tr>
<tr>
<td>November 19</td>
<td>No class meeting: Workday</td>
<td>1) Due on eCampus by 11:59pm: Draft Report</td>
</tr>
<tr>
<td>November 26</td>
<td>Writing Strategy</td>
<td>None</td>
</tr>
<tr>
<td>December 10</td>
<td>No class meeting</td>
<td>1) Due on eCampus by 11:59pm: Final Report</td>
</tr>
</tbody>
</table>