Course Change Request

Date Submitted: 09/23/18 2:25 pm

Viewing: **DIVE 250 : SCUBA Diving I**

Last edit: 09/25/18 9:44 am

Changes proposed by: overcomer

Catalog Pages referencing this course
- DIVE - Div. Tech and Methods (DIVE)
- Department of Liberal Studies

Programs referencing this course
- MINOR-DVTM: Div. Technology and Methods - Minor

Faculty Senate Number

Contact(s)

<table>
<thead>
<tr>
<th>Name</th>
<th>E-mail</th>
<th>Phone</th>
</tr>
</thead>
<tbody>
<tr>
<td>Paula Morris</td>
<td><a href="mailto:morrisp@tamug.edu">morrisp@tamug.edu</a></td>
<td>409-740-4975</td>
</tr>
</tbody>
</table>

Rationale for Course Edit

The proposed changes are part of a routine curriculum review.

Course prefix: DIVE
Course number: 250

Department: Liberal Studies
College/School: Galveston Campus
Academic Level: Undergraduate

Effective term: **2019-2020 Galveston**

Complete Course Title: SCUBA Diving I
Abbreviated Course Title: SCUBA DIVING I

Catalog course description
Fundamental academic knowledge and practical application of SCUBA diving practices and theory; introduction to diving tables and diving physiology.

Prerequisites and Restrictions
Must complete a medical statement showing no contraindications to diving, or have a recreational SCUBA diver's physical examination.

Concurrent Enrollment: No

Should catalog prerequisites / concurrent enrollment be enforced? No

Approval Path
1. 09/23/18 2:34 pm JoAnn DiGeorgio-Lutz (joanne-a-lutz): Approved for LIST Department Head
2. 09/25/18 9:42 am Terra Bissett (t.bisse): Approved for Curricular Services Review
3. 10/01/18 3:20 pm Meredith Zalesak (zalesakm): Approved for GV Committee Preparer UG
4. 10/03/18 1:34 pm Caro Bishop-Smith (bishopca): Approved for GV Committee Chair UG
5. 10/08/18 2:00 pm Sandra Williams (sandra-williams): Approved for UCC Preparer
6. 11/05/18 2:39 pm Sandra Williams (sandra-williams): Approved for UCC Chair
<table>
<thead>
<tr>
<th>Semester</th>
<th>Contact Hour(s) (per week):</th>
<th>Lecture: 3</th>
<th>Lab: 3</th>
<th>Other: 0</th>
<th>Total 6</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Repeatable for credit?</th>
<th>Three-peat?</th>
<th>CIP/Fund Code</th>
<th>Default Grade Mode</th>
<th>Alternate Grade Modes</th>
<th>Method of instruction</th>
</tr>
</thead>
<tbody>
<tr>
<td>No</td>
<td>No</td>
<td>4903040012</td>
<td>Letter Grade (G)</td>
<td>Satisfactory/Unsatisfactory</td>
<td>Lecture and Laboratory</td>
</tr>
</tbody>
</table>

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?

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

Will classroom space be needed for this course?

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?

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

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

### Course Syllabus

Syllabus: Upload syllabus

Upload syllabus: [DIVE 250 Scuba I Syllabus.pdf](https://nextcatalog.tamu.edu/courseleaf/approve/?role=Faculty%20Senate)
Letters of support or other documentation: No

Additional information:

International training agency standards for instructing diving have evolved to include more training for several certifications. 3 credit hour classes no longer allow instructors and students to effectively cover the material required for diving certification, especially because two certifications are taught consecutively in one course. 3 hours of lecture and 3 hours of lab each week, in a 4 credit hour course, will allow instructors to safely cover all material and students to absorb the skills and knowledge required for diving certification.

Reviewer Comments:

Terra Bissett (t.bissett) (09/25/18 9:40 am): Moving forward; Syllabus: the links for student rules and disability services do not appear to be the standard links, though they hyperlink to the correct pages.

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

Reported to state?

Change
GV
CLASS SECTIONS, MEETING TIMES, LOCATIONS & INSTRUCTOR:
Section 401: Lecture TR 9:35-10:50, GPEF 107, Williams
Lab M 4:00pm-6:50pm, TAMUG Pool, Pintacuda
Lab locations are subject to change in inclement weather.

CREDITS 4. 3 Lecture Hours. 3 Lab hours

CATALOG DESCRIPTION OF THE COURSE:
Fundamental academic knowledge and practical application of SCUBA diving practices and theory; introduction to diving tables and diving physiology.

PREREQUISITES:
Must complete a medical statement showing no contraindications to diving, or have a recreational SCUBA diver's physical examination.

LEARNING OUTCOMES:
• Diving Knowledge: By attending and engaging in lectures and online learning, students will illustrate their understanding of the science, planning, procedures, and equipment used in diving with written and online examinations.
• Practical Knowledge: By participating in laboratory sessions, students will be able to demonstrate a working knowledge of basic diving equipment by proper assembly, inspection, use, post dive cleanup and storage. They will exhibit the behaviors of a safe diver by conducting proper pre-dive checks with a partner (buddy), water entries, proper descents with successful equalization of air spaces, execution of a dive with minimal impact to the underwater environment, controlled ascents with a safety stop, proper exits from the water and gear doffing.
• Dive Planning: In the classroom and field settings, students will generate dive plans that take into account the location/conditions, depth, breathing gas consumption, duration, activity, execution and safety of the dives planned.
• Independent Thinking Diver: The student will demonstrate over the course of the semester a shift from reliance on the instructor(s) to coordinate their activities and safety as an entry level diver to autonomy when planning and conducting a dive with a buddy similar experience level in similar circumstances.

<table>
<thead>
<tr>
<th>Instructor</th>
<th>Office Location</th>
<th>Office Hours</th>
<th>Telephone Number</th>
<th>Email Address</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sara Williams</td>
<td>SAGC 508 (Sea Aggie Dive Locker)</td>
<td>M,T 9-10:30am</td>
<td>409-741-4073</td>
<td><a href="mailto:williams@tamug.edu">williams@tamug.edu</a></td>
</tr>
<tr>
<td>Jesse Pintacuda</td>
<td>SAGC 306</td>
<td>T 1:30pm-3:30pm</td>
<td>409-741-4056</td>
<td>j <a href="mailto:pintacuda@tamug.edu">pintacuda@tamug.edu</a></td>
</tr>
</tbody>
</table>

Required Materials and Books

| Mask, Snorkel, Fins and Booties |
| Underwater Timing Device (WR to 50m) |
| Slate (Recommended), Wetsuit (Recommended) |
SCUBA CERTIFICATION AND COURSE FORMAT:
Certification as an entry level scuba diver involves training in a classroom, as independent study, and in a confined water setting as well as an open water evaluation component (field trip). Participation in the open water evaluation field trip is a required portion of the course, though it does not have a grade assessment.

IMPORTANT INFORMATION FOR DIVE PROGRAM COURSES:
1. Decisions regarding the management and conduct of diving activities, courses, and trips are made based on risk assessment in order to provide the safest experience possible for TAMUG students and employees. Due to weather, changing conditions and unforeseen circumstances, modifications to the itinerary may occur at any time. By participating in these activities, the student recognizes that safety is the first priority, and that no particular diving activity is guaranteed.

2. All divers involved in the TAMUG DIVE program are responsible for understanding and abiding by the standards that apply to their diving activities, as outlined in the Texas A&M University Diving Safety Manual. The Diving Safety Manual is available at http://www.tamug.edu/DiveProgram/No%20Show/Diving_Safety_Manual.pdf

3. A diver may academically achieve an “A” in the course for full academic credit, however the awarding of the certification credentials of “Scuba Diver” is solely at the discretion of the instructor as per training agency standards.
   - If the student does not complete all necessary lab training, and maintain a minimum grade of 75% the course, they will not be allowed to scuba dive during the open water evaluation field trips.
   - Unexcused absenteeism from either lecture or laboratory sessions will prohibit scuba diving participation in the open water evaluation field trips.

[Continued next page]
4. If a student must miss a required dive(s) during open water training DUE to medical reasons beyond their control, they have two options in to make-up the dive(s):
   a. They may sign up for a 0-credit MAST 491 during the next semester that the course is offered and coordinate with the instructor in order to attend the open water trip. If the trip is in a different academic year, additional field trip fees may be required.
   b. They may request a diving referral from the instructor of record, and complete the last dives from external instructors.

EMAIL POLICY:
Official announcements regarding class information, assignments, cancellations, etc. will be sent to official University student email addresses only (########@tamu.edu).

ATTENDANCE AND ABSENCES
Information concerning absences is contained in the University Student Rules, Section 7. The University views class attendance as an individual student responsibility. Students are expected to attend class and to complete all assignments. However, given the nature of a scuba course, see the “PLEASE NOTE:” section above regarding absenteeism and prohibition of obtaining scuba certification. After 10 minutes from the scheduled class time the student will be considered absent.

For a University Excused Absence, the student should provide the appropriate documentation based on the duration of absence found in Section 7.1 for the student’s absence to be excused. Please consult the University Student Rules online by going to www.bit.ly/1QTivSe, for reasons for excused absences, detailed procedures and deadlines.
If the absence is excused per the process outlined in the University Student Rules, the student must be given the opportunity to make up work that was missed. The instructor is under no obligation to provide an opportunity for the student to make up work missed because of an unauthorized absence. See Part III, Student Grievance Procedures, Section 49, Unexcused Absences, for more information about appealing an instructor’s decision.

ATTENTION STUDENTS:
- It is the responsibility of the student to inform his/her instructor if they have a condition that may impair or influence participation in an activity class (e.g. injury, allergies, use of medications, etc.).
- Should you become unable to participate in your regular laboratory activities, contact your instructor as soon as possible.
- The course in which you have elected to participate are either required as a part of your minor or elected. Regardless of the case, you must realize that there is a certain assumption of risk in which you engage when you participate in activity classes such as these. You must be aware of this assumption and take responsibility for your health and wellbeing.

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 set by the instructor (but generally within 3 days of the excused absence).

Skills taught in lab sessions are cumulative in nature. If a set of skills is missed during a given week, students may not simply “jump in” the next week without having made up the skills from the previous week. Instructors are under no obligation to makeup any lab work missed due to unexcused absences. If an absence is unexcused, students may continue to attend lab sessions with alternate activity for academic credit, but continuation of scuba training will not occur.

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, please contact the Counseling Office, in the Seibel Student Center, or call (409)740-4587. For additional information visit: http://www.tamug.edu/counsel/.
STATEMENT ON THE FAMILY EDUCATIONAL RIGHTS AND PRIVACY ACT (FERPA)
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. To obtain a listing of directory information or to place a hold on any or all of this information, please consult the Admissions & Records Office. Items that can never be identified as public information are a student’s social security number or institutional identification number, citizenship, gender, grades, GPR or class schedule. All efforts will be made in this class to protect your privacy and to ensure confidential treatment of information associated with or generated by your participation in the class.

ACADEMIC DISHONESTY
“Aggies do not lie, cheat, or steal, nor do they tolerate those who do.” As such, it is the responsibility of students and faculty members to help maintain scholastic integrity at the University by refusing to participate in or tolerate scholastic dishonesty. See the following websites for more information: http://www.tamug.edu/HonorSystem

STATEMENT ON COURSE EVALUATIONS
The PICA (Personalized Instructor/Course Appraisal) is an online course evaluation for Texas A&M. We highly encourage you to complete an evaluation for each course on your schedule. Student input is a critical component used to improve curriculum and teaching. Each faculty member values your input to improve his/her methodology. Your comments can also significantly impact the mix and membership of faculty. The PICA website is available at http://pica.tamu.edu, your Howdy portal.
<table>
<thead>
<tr>
<th>WEEK</th>
<th>DATE</th>
<th>LECTURE TOPIC</th>
<th>CHAPTERS-</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td></td>
<td>Syllabus/Verification of Electronic Submissions/Introduction</td>
<td>1, 2 &amp; 4</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Equalizing Techniques/Diving Physics/Physiology</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Diving Equipment</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td></td>
<td>Diving Physics/Physiology</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Diving Physics/Physiology</td>
<td>4</td>
</tr>
<tr>
<td>3</td>
<td></td>
<td>Diving Physics/Physiology</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Diving Physics/Physiology</td>
<td>4</td>
</tr>
<tr>
<td>4</td>
<td></td>
<td>Diving Physics/Physiology</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Decompression and Dive Planning</td>
<td>5</td>
</tr>
<tr>
<td>5</td>
<td></td>
<td>Decompression and Dive Planning</td>
<td>5</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Decompression and Dive Planning</td>
<td>5</td>
</tr>
<tr>
<td>6</td>
<td></td>
<td>Decompression and Dive Planning</td>
<td>5</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Prep for first field trip/waivers/information</td>
<td></td>
</tr>
<tr>
<td>7</td>
<td></td>
<td>No lecture-(eCampus quiz is still due!!)</td>
<td></td>
</tr>
<tr>
<td>8</td>
<td></td>
<td>Dive Planning and Gas Consumption</td>
<td>5/6</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Dive Planning and Gas Consumption</td>
<td>5/6</td>
</tr>
<tr>
<td>9</td>
<td></td>
<td>Dive Planning and Gas Consumption</td>
<td>5/6</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Nitrox Diving</td>
<td>1-4</td>
</tr>
<tr>
<td>10</td>
<td></td>
<td>Nitrox Diving</td>
<td>5-7</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Problem Solving</td>
<td>7</td>
</tr>
<tr>
<td>11</td>
<td></td>
<td>Diving Environment</td>
<td>8</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Prep for second field trip/waivers/information</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td><strong>NAUI eLearning must be completed by no later than 5pm.</strong></td>
<td></td>
</tr>
<tr>
<td>12</td>
<td></td>
<td>Diving Activities</td>
<td>9</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Diving Equipment</td>
<td>4</td>
</tr>
<tr>
<td>13</td>
<td></td>
<td>Diving Equipment</td>
<td>4</td>
</tr>
<tr>
<td>14</td>
<td></td>
<td>Reading day-No classes</td>
<td></td>
</tr>
<tr>
<td>15</td>
<td></td>
<td>Review-Last day of class</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td><strong>End of Term Exam</strong></td>
<td></td>
</tr>
<tr>
<td>15</td>
<td></td>
<td>Redefined day-students attend their Friday classes.</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Optional retake of End of Term Exam</td>
<td></td>
</tr>
<tr>
<td>WEEK</td>
<td>DATES</td>
<td>ACTIVITY</td>
<td>Chapter and Notes</td>
</tr>
<tr>
<td>------</td>
<td>-------</td>
<td>----------</td>
<td>-------------------</td>
</tr>
</tbody>
</table>
| 1    |       | • Dive Locker Overview  
|      |       | • Swimming Evaluations  
|      |       | • SCUBA: BCD fitting, SCUBA unit assembly/disassembly | Chapter 3 |
| 2    |       | • SCUBA: SCUBA unit assembly/disassembly, SCUBA Unit Disassembly & Cleaning  
|      |       | • Skin Diving: Equalization, Mask Defog, Water Entries/Exits, Surface Swimming, Surface Dives, Clearing the Snorkel, Underwater Swimming and Surfacing | Chapter 3 |
| 3    |       | • SCUBA: Shallow end don SCUBA Unit, BCD Inflation & Deflation (power/oral), Equalization, SCUBA Breathing, Basic Hand Signals, Mask Flood/Clear, Mask Remove/Replace/Clear, Regulator Clearing (mechanical/oral), Regulator Recovery (sweep/reach), Deep End Swimming, Deep Water Exit, SCUBA Unit Disassembly & Cleaning | Chapter 3 |
| 4    |       | • SCUBA: Pre-dive Check of Self and Buddy, Hand Signals and Numbers, Giant Stride Entry, Buoyancy Checks, Descending/Ascending (controlled/free), Finning (flutter/frog), Computer Use, Ladder Exit, Refresh Previous Lab Techniques | Chapter 3 |
| 5    |       | • SCUBA: Giant Stride Entry, Weight Belt Remove and Replace (surface), Regulator/Snorkel Exchange (switching from your regulator to snorkel), Buoyancy (BCD deflation/inflation underwater, power/oral [During the Dive]), Weight Belt Unclasp/Adjust/Re-clasp Underwater, Choice Exit (with buddy) Refresh Previous Lab Techniques | Chapter 3 |
| 6    |       | • SCUBA: Giant Stride Entry, Snorkel Swim on Scuba, Out of Air (valve off shallow end-standing), Alternate Air Source Use (stationary & ascending in deep end as donor/receiver), Disconnecting the LP hose from Power Inflator Mechanism, Horizontal Hovering, Ladder Exit  
|      |       | • Skills review/catchup, buoyancy checks for open water | First Certification Trip  
| 7    |       | • No labs | Chapter 3 |
| 8    |       | • SCUBA: In water donning of Scuba Unit, Horizontal Hovering, Controlled Swimming Ascent (CSA)  
|      |       | • Surface Rescue Skills: Cramp Removal, Scuba Tows | Chapter 3 |
| 9    |       | • SCUBA: Back Roll Entry, Scuba Rescue | Chapter 3 |
| 10   |       | • SCUBA: Compassing  
|      |       | • Skills review/ buoyancy checks for open water | Second Certification  
| 11   |       | • SCUBA: Seated Side Entry, Scuba R&R at depth, Breathing from a Free Flowing Regulator, Buddy Breathing, Underwater games | Chapter 3 |
| 12   |       | • Snorkel rescue from about 10 feet of water  
|      |       | 450 yds (9 laps) nonstop-breathing from snorkel | Chapter 3 |
| 13   |       | • Thanksgiving Holiday Thanksgiving Week-No Labs |  |
| 14   |       | • TBD |  |
| 15   |       | • No labs |  |
Course Change Request

Date Submitted: 09/23/18 4:30 pm

Viewing: **DIVE 357 : Dive Leadership – Divemaster**

Last edit: 09/25/18 9:55 am

Changes proposed by: overcomer

Catalog Pages referencing this course

- DIVE - Diving Tech and Methods (DIVE)
- Department of Liberal Studies

Programs referencing this course

- MINOR-DVTM: Diving Technology and Methods - Minor

Contact(s)

<table>
<thead>
<tr>
<th>Name</th>
<th>E-mail</th>
<th>Phone</th>
</tr>
</thead>
<tbody>
<tr>
<td>Paula Morris</td>
<td><a href="mailto:morrisp@tamug.edu">morrisp@tamug.edu</a></td>
<td>409-740-4975</td>
</tr>
</tbody>
</table>

Rationale for Course

The proposed changes are part of a routine curriculum review.

Course prefix        DIVE
Course number        357
Department           Liberal Studies
College/School       Galveston Campus
Academic Level       Undergraduate
Undergraduate course level justification (Select One)

- College/Program Course Level Rubric

Effective term        2019-2020 Galveston

Complete Course Title
Dive Leadership – Divemaster

Abbreviated Course Title
DIVE LEADERSHIP - DIVEMASTER

Catalog course description

Examines divemaster level dive knowledge, dive leadership theory and application, presentation and instructional presentation skills, physical diving skills, logistics and planning, risk management and emergency response, and operational execution; develops a multi-environment capable diving leader.

Prerequisites and Restrictions

Minimum of 18 years of age; current certification in NAUI First Aid for Dive Professionals or Equivalent; current certification in NAUI Oxygen Provider Must complete a medical statement showing no contraindications to diving, or have a recreational SCUBA diver’s physical examination; certification as a SDI Advanced SCUBA Diver and SDI SCUBA Rescue Diver or equivalent; a minimum of verifiable 60 logged open water scuba varied dives with a minimum of 30 hours bottom time, dives shall be varied in environment, depth, and activities; verification of good physical condition as documented by a medical examination logged; current certifications in First Aid, CPR and unconditional Emergency Oxygen Administration, Divers Alert Network (DAN) diving accident insurance (or equivalent); junior or senior classification or approval in the last 12 months;
water skills and ability equivalent to that of a NAUI Assistant Instructor; must be certified as a NAUI Master Scuba Diver, NAUI Scuba Rescue Diver, NAUI Advanced Open Water Diver and NAUI Nitrox diver, or their equivalent; divers with evidence of equivalent training experience must pass the NAUI Master Scuba Dive exam prior to beginning of the course; junior or senior classification or approval of instructor.

Concurrent Enrollment: No
Should catalog prerequisites / concurrent enrollment be enforced?: No
Crosslistings: No
Stacked: No

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

Repeatable for credit?: No
Three-peat?: No
CIP/Fund Code: 4903040012
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 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?

Course Syllabus

<table>
<thead>
<tr>
<th>Syllabus:</th>
<th>Upload syllabus</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>DIVE 357 Divemaster.pdf</td>
</tr>
</tbody>
</table>

| Letters of support or other documentation | No |

| Additional information | International training agency standards for instructing diving have evolved to include more training for several certifications. 3 credit hour classes no longer allow instructors and students to effectively cover the material required for diving certification, especially because two certifications are taught consecutively in one course. 3 hours of lecture and 3 hours of lab each week, in a 4 credit hour course, will allow instructors to safely cover all material and students to absorb the skills and knowledge required for diving certification. |

The prerequisites and course description for this course have been amended to satisfy NAUI training standards.

| Reviewer Comments | Terra Bissett (t.bissett) (09/25/18 9:56 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? | Change  
GV |
Dive 357: Dive Leadership: Divemaster

Section: Fall 2019
- Instructor: Laura White
- Class Time/Place: Lecture TR 9:35-10:50 CLB 215, Lab Wednesday 12:40-3:30, Pool
- Credits: 4, 3 hour lecture, 3 hour lab
- Office: SAGC 307
- Office Hours: Thursdays 3:00-5:00 and by appointment
- E-mail: lauragwhite@tamu.edu
- Phone: 409-741-4067

Course Description:
Examines divemaster level dive knowledge, dive leadership theory and application, presentation and instructional skills, physical diving skills, logistics/planning, risk management and emergency response, and operational execution; develops a multi-environment capable diving leader.

Prerequisites:
- Minimum of 18 years of age
- Current certification in NAUI First Aid for Dive Professionals or Equivalent
- Current certification in NAUI Oxygen Provider or equivalent
- A minimum of verifiable 60 logged open water scuba dives with a minimum of 30 hours bottom time. Dives shall be varied in environment, depth, and activities.
- Verification of good physical condition as documented by a medical examination and unconditional approval in the last 12 months
- Water skills and ability equivalent to that of a NAUI Assistant Instructor
- Must be certified as a NAUI Master Scuba Diver, NAUI Scuba Rescue Diver, NAUI Advanced Open Water Diver, and NAUI Nitrox diver, or their equivalent. Divers with evidence of equivalent training experience must pass the NAUI Master Scuba Dive exam prior to beginning of the course
- Junior or Senior level classification or approval of the instructor

Course Learning Objectives:
In this course, you will:
- Employ organizational and supervisory techniques for instructional and recreational diving that meets the standards of both the National Association of Underwater Instructors and Texas A&M University at Galveston
- Simulate activities typical of dive professionals through the design and implementation of diving operations, including all logistical planning, risk analysis, paperwork support, and coordination of appropriate resources.
- Demonstrate mastery of divemaster techniques and knowledge for both instructional and guiding dive operations
- Evaluate risk and liability for potential future instructional, research, and recreational dives

Course Structure:
The course will consist of lectures, lab work in the pool and in open water, and internship with other dive courses.

Required Text and Materials:

Required Materials: Log Book, Mask, Fins, and Snorkel Timing Device, Cutting Device, Slate, Whistle, Dive Light, Exposure Suit, computer, SMB, and compass

Grading:

<table>
<thead>
<tr>
<th>Assignment</th>
<th>Percentage of Final Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>NAUI FIT Examination</td>
<td>10</td>
</tr>
<tr>
<td>NAUI Divemaster Written Exam (NOV 12)</td>
<td>10</td>
</tr>
<tr>
<td>Classroom Presentations (5)</td>
<td>20</td>
</tr>
<tr>
<td>---------------------------</td>
<td>----</td>
</tr>
<tr>
<td>Teaching Demonstration (3)</td>
<td>10</td>
</tr>
<tr>
<td>Open Water Prep Project (DUE NOV 14)</td>
<td>20</td>
</tr>
<tr>
<td>Lab Participation/E-learning (DUE OCT 26)</td>
<td>10</td>
</tr>
<tr>
<td>Internship with other dive classes</td>
<td>10</td>
</tr>
<tr>
<td>Dive Briefing/Debriefing</td>
<td>10</td>
</tr>
</tbody>
</table>


**Tentative Course Schedule:**

<table>
<thead>
<tr>
<th>Week</th>
<th>Monday</th>
<th>Wednesday (LAB)</th>
<th>Other Time Commitments</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Syllabus review, assess availability, Unit 6: divemastering</td>
<td>Legacy skills, intro to demonstration quality</td>
<td>Thursday inservice</td>
</tr>
<tr>
<td>2</td>
<td>Teaching presentations I</td>
<td>Skin diving rescue review, beach (TBA)</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>Unit 8: Planning and Organizing Successful Dive Activities Planning basics</td>
<td>Teaching presentations/techniques in confined water</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>Teaching Presentations II</td>
<td>Rescue/egress review (pool)</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>Unit 9: Conducting Diving Activities Unit 10: Guiding and escorting</td>
<td>Teaching presentations: open water, Teichmann</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>Unit 11: Problem Management Review Computer Use</td>
<td>Equipment Servicing</td>
<td>TBA: Scuba I</td>
</tr>
<tr>
<td>7</td>
<td><strong>Teaching Presentations III in lecture and lab</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>8</td>
<td>Unit 12: Preventing Diving Accidents Stories of the Stupid</td>
<td>Teichmann night dive</td>
<td></td>
</tr>
<tr>
<td>9</td>
<td>Unit 14: Boating and Seamanship for Diving Leaders</td>
<td>TENTATIVE Trident Day</td>
<td></td>
</tr>
</tbody>
</table>
| 10   | Unit 13:  
- Risk Management and Insurance  
- Liability and Safety Decision Making | Makeup lab—OW or CW as needed. | |
| 11   | TAMIUG dive procedures | Fill Stations, Drylab prep for OW Project | |
| 12   | **Exam** 
Review exam | Drylab, pack and depart for checkout **OW Project DUE** | **OW Checkout, TBA** |
<table>
<thead>
<tr>
<th>13</th>
<th>Debrief OW weekend</th>
<th>No class, Thanksgiving</th>
</tr>
</thead>
<tbody>
<tr>
<td>14</td>
<td>E-learning due</td>
<td>Fun Lab</td>
</tr>
<tr>
<td></td>
<td>Unit 18: the Business of Diving</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Unit 15: Conservation</td>
<td></td>
</tr>
<tr>
<td>15</td>
<td>Redefined, attend FRIDAY classes, and individual paperwork appointments</td>
<td></td>
</tr>
<tr>
<td>16</td>
<td>Review Final Exam</td>
<td></td>
</tr>
</tbody>
</table>

General Course Policies

I. GENERAL COURSE INFORMATION

1. Decisions regarding the management and conduct of diving activities, courses, and trips are made based on risk assessment in order to provide the safest experience possible for TAMUG students and employees. Due to weather, changing conditions and unforeseen circumstances, modifications to the itinerary may occur at any time. By participating in these activities, the student recognizes that safety is the first priority, and that no particular diving activity is guaranteed.

2. By providing any proof of dive certifications to the instructor, the student acknowledges and understands that they are responsible for the training, knowledge, and skills they have attained in former diving courses and instruction.

3. All divers involved in the TAMUG DIVE program are responsible for understanding and abiding by the standards that apply to their diving activities, as outlined in the Texas A&M University Diving Safety Manual. The Diving Safety Manual is available at [http://www.tamug.edu/DiveProgram/No%20Show/Diving_Safety_Manual.pdf](http://www.tamug.edu/DiveProgram/No%20Show/Diving_Safety_Manual.pdf)

4. A diver may academically achieve an “A” in the course for full academic credit, however the awarding of the certification credentials of Divemaster is solely at the discretion of the instructor as per training agency standards and TAMUG policy.

5. If a student must miss a required dive during open water training DUE to medical reasons beyond their control, they have two options in order to make-up the dive:
   a. They may sign up for a 0-credit MAST 491 during the next semester that the course is offered and coordinate with the instructor in order to attend the open water trip. If the trip is in a different academic year, additional field trip fees may be required.
   b. They may request a diving referral from the instructor of record, and obtain the last dives from external instructors.

2. During this course, a NAUI Divemaster certification may be obtained in addition to course grades. Certifications will be awarded only when training agency standards and prerequisites have been met (Minimum score on exams, successful completion of all required confined and open water activities.). This certification is completely independent of course grade.

3. It is the responsibility of the student to inform his/her instructor if they have a condition that may impair or influence participation in an activity class (e.g. physical handicap, allergies, use of medications, etc.)

4. Should you become unable to participate in your regular activity class, contact your instructor immediately.

5. **We make every effort to make up coursework missed for excused absences, but ANY lecture or lab absence may prevent the student from earning certifications.**

6. The courses in which you have elected to participate are either required as a part of your major or elected. Regardless of the case, you must realize that there is a certain assumption of risk in which you engage when you participate in activity classes such as these. You must be aware of this assumption.

7. **The instructor is under no obligation to provide an opportunity for the student to make up work missed because of an unauthorized absence.**
IV. Questions?
Questions can be answered in-class, during office hours, or via e-mail. Please e-mail me if you are unable to make my office hours; I will be happy to arrange a good time to meet you.

V. Attendance Policy
The university views class attendance as an individual student responsibility. Students are expected to attend class and to complete all assignments. (Please note that excused absences can be made up academically but may prevent the completion of a NAUI Divemaster Certification. A list of university approved excused absences are defined in the Texas A&M University Regulations: http://www.tamug.edu/stulife/Academic_Rules/7_Attendance.html.

VI. Makeup Policy
All assignments must be handed on the day that they are due, unless you have an excused absence. You WILL be able to make up assignments with no penalty if you submit verification of an excused absence. In the event that you do NOT have an excused absence or choose to hand in work late, you will lose one letter grade if the assignment is handed in later on the due date, and a further letter grade for each day after the due date that the assignment is handed in. A list of university approved excused absences are defined in the Texas A&M University Regulations: http://www.tamug.edu/stulife/Academic_Rules/7_Attendance.html

VII. Academic Integrity Statement
The Aggie Code of Honor states: “an Aggie does not lie, cheat, or steal or tolerate those who do.” Refer to the Honor Council Rules and Procedures: http://www.tamug.edu/studentrules/Aggie_Code_of_Honor.html Evidence of cheating or plagiarism on an exam or assignment may result in a failing grade. Instances of cheating will be referred to the Office of the Aggie Honor System.

VIII. 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. For additional information visit http://www.tamug.edu/counsel/Disabilities.html.

IX. STATEMENT ON THE FAMILY EDUCATIONAL RIGHTS AND PRIVACY ACT (FERPA)
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. To obtain a listing of directory information or to place a hold on any or all of this information, please consult the Admissions & Records Office. Items that can never be identified as public information are a student’s social security number or institutional identification number, citizenship, gender, grades, GPR or class schedule. All efforts will be made in this class to protect your privacy and to ensure confidential treatment of information associated with or generated by your participation in the class. 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

X. Statement on Course Evaluations
The PICA (Personalized Instructor/Course Appraisal) is an online course evaluation for Texas A&M. We highly encourage you to complete an evaluation for each course on your schedule. Student input is a critical component used to improve curriculum and teaching. Each faculty member values your input to improve his/her methodology. Your comments can also significantly impact the mix and membership
Course Change Request

Viewing: MARA 373: Personnel Management

Last edit: 10/01/18 4:46 pm
Changes proposed by: knoxj

Contact(s)

<table>
<thead>
<tr>
<th>Name</th>
<th>E-mail</th>
<th>Phone</th>
</tr>
</thead>
<tbody>
<tr>
<td>Kris Knox</td>
<td><a href="mailto:knoxj@tamug.edu">knoxj@tamug.edu</a></td>
<td>409-740-4442</td>
</tr>
</tbody>
</table>

Rationale for Course

The proposed changes are part of a routine curriculum review.

Course prefix: MARA
Course number: 373
Department: Maritime Administration
College/School: Galveston Campus
Academic Level: Undergraduate
Undergraduate course level justification (Select One)

Effective term: 2019-2020 Galveston

Complete Course Title: Personnel Management
Abbreviated Course Title: PERSONNEL MANAGEMENT

Catalog course description:

Human Resource Management. (3-0). Strategic issues in managing human resources; shared responsibilities of line managers and human resource staff for developing and implementing human resource policies and procedures; human resource planning; job design, analysis and evaluation; staffing; compensation; performance appraisal; training and development career management; labor relations; legal, ethical and international issues.

Prerequisites and Restrictions

Junior or senior classification. MARA 363.

Should catalog prerequisites / concurrent enrollment be enforced? No Yes

Crosslistings No Crosslisted With

Stacked No Stacked with

In Workflow
1. MARA 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. Provost II
10. President
11. Curricular Services
12. Banner

Approval Path
1. 09/24/18 2:12 pm
   Joan Mileski (mileskij): Approved for MARA Department Head
2. 09/24/18 3:44 pm
   Terra Bissett (t.bissett): Approved for Curricular Services Review
3. 09/25/18 10:20 am
   Meredith Zalesak (zalesakm): Approved for GV Committee Preparer UG
4. 10/01/18 4:46 pm
   Meredith Zalesak (zalesakm): Approved for GV Committee Chair UG
5. 10/03/18 1:35 pm
   Cari Bishop-Smith (bishopca): Approved for GV College Dean UG
6. 10/08/18 2:01 pm
   Sandra Williams (sandra-williams): Approved for UCC Preparer
7. 11/05/18 2:45 pm
   Sandra Williams (sandra-williams): Approved for UCC Chair
<table>
<thead>
<tr>
<th>Semester</th>
<th>3</th>
<th>Contact Hour(s) (per week):</th>
<th>Lecture: 3</th>
<th>Lab: 0</th>
<th>Other: 0</th>
<th>Total 3</th>
</tr>
</thead>
</table>

Repeateble for credit? No
CIP/Fund Code 5210010016
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:

<table>
<thead>
<tr>
<th>Program(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>(BS-MARA) Maritime Administration - BS</td>
</tr>
<tr>
<td>(BS/MM-MARA/MAAL-GAD) Maritime Administration - 5-year Bachelor of Science/Master of Maritime Administration and Logistics</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? Yes No

**Course Syllabus**

<table>
<thead>
<tr>
<th>Syllabus:</th>
<th>Upload syllabus</th>
</tr>
</thead>
<tbody>
<tr>
<td>Upload syllabus</td>
<td>MARA 373-Updated syllabus-Nwabueze 9-21-18-2.doc</td>
</tr>
<tr>
<td>Letters of support or other documentation</td>
<td>No</td>
</tr>
<tr>
<td>------------------------------------------</td>
<td>----</td>
</tr>
<tr>
<td>Additional information</td>
<td>The proposal removes the MARA 363 course prerequisite and adds &quot;junior or senior classification. This is necessary to qualify the course for Cultural Discourse status. The Department of Maritime Administration and Dr. Uchenna Nwabueze, instructor of record, have reviewed and approved the request.</td>
</tr>
<tr>
<td>Reviewer Comments</td>
<td>Terra Bissett (t.bissett) (09/24/18 3:34 pm): Minor edits made to form to comply with catalog style guide. Sandra Williams (sandra-williams) (11/05/18 2:45 pm): UCC approved November 2018.</td>
</tr>
</tbody>
</table>

Key: 9601
Personnel Management: MARA 373  
Fall 2018  
Meeting Times and Location: TBD

Course Description
Human Resource Management. Strategic issues in managing human resources; shared responsibilities of line managers and human resource staff for developing and implementing human resource policies and procedures; human resource planning; job design, analysis and evaluation; staffing; compensation; performance appraisal; training and development career management; labor relations; legal, ethical and international issues. Junior or senior classification (3 credit hours).

Course Summary
The course is organized into four parts: Discourse, Culture, Identity, and the impact of Globalization. The first part introduces organizational approaches to the textual analysis of discourse, moving from descriptive methods to those more focused on organizational relationships (Discourse) and the analysis of multimodal approaches. The Culture part would examine what we mean by ‘culture’ and conceptions of high, popular and mass culture. This is related to ideas of ‘national culture’ and how this might function within multicultural contexts. The third part, Identity, and addresses employee focus, considering what we mean by ‘a language’, peoples’ attitudes languages and language varieties, and how this relates to discourses of culture and nationalism. The Globalisation part considers these issues from a more transnational stance, introducing central debates around the meaning of ‘globalization’ and highlighting the role that cultural sensitivity plays in these transnational flows by focusing on issues of multilingualism and the pivotal role of understanding and respect.

Course Learning Outcomes:
Upon Completion of the course, students should be able:
1. Explain human resource management models, concepts and practices.
2. Describe the challenges in managing the employment relationships in a diverse workforce and apply theoretical knowledge in managing employment relationships.
3. Identify the role of business environment and its influence on the human resource management functions in organizations.
4. Evaluate the role of human resource management function as a strategy for effectively creating sustainable competitive advantage.
5. Compare and contrast diverse recruitment and career development activities that are important to companies.
6. Design training programs and formulate delivery methods for organizations.
7. Examine a strategic compensation program from one that is non-strategic.
8. Identify and explain HR laws and regulations.
Instructor Information

Name:  Dr. Uche Nwabueze ( Dr. Uche )
Telephone number:  office: 409-741-7141
Email address: nwabuezeu@tamug.edu

Office hours: TBA
Office location  CLB 222

Textbook


***Note: The main readings for this course will be the chapters covered from the textbook in class and other materials published in Fortune Magazine, BloombergBusinessWeek, Forbes, and the Human Resource Management Journal

Resource Materials
Scantrons for exams: This is a requirement for taking the midterm and final exams.

Web-links: You may reach eCampus either through the Howdy portal at howdy.tamu.edu or directly at ecampus.tamu.edu. Recent and relevant articles published in newspapers and magazines would be posted on Blackboard to enrich and inform our practical understanding of topics and concepts discussed in class.

Grading Policies

In-Class Quizzes: Three multiple choice quizzes include all lecture material covered at the end of each week to assess course objectives 1, 2, 5, 8

In-Class Discussions and Group Presentations: Individual or group of students would be assigned chapter sections and articles to present in class on Fridays. In class discussions would measure course objectives 1, 4, 7, and 9.

Mid-term Exam: The mid-term exam is a multiple choice that assesses course objectives, 6, 7 and 8. The mid-term exam will include all material (Textbook chapters) covered in class up to the date of the exam. You must notify me in advance and provide documentation of an excused absence if you are unable to take a quiz or exam in order to be eligible to take a make-up exam (see Attendance and Make-up Policies below). Your make-up will be scheduled at a time convenient for both of us but must be scheduled within one week of the missed exam or quiz. The make-up may be a different format than the exam given to the class. If no acceptable documentation is received, a zero will be recorded for the grade for that quiz or exam.

Final Exam: The final exam is not a comprehensive exam, but would cover the chapters of the textbook addressed in class up to the date of the final exam after the midterm exam. It will be a multiple choice exam that will assess the course objectives 3, 4, and 5. Five bonus points will be given on the final exam if there are no unexcused absences.
Final Grade Determination
I will round grades up, for example 89.50 will be classified as an A, but 89.49999 will be a B. No curves or adjustments will be offered unless they are available to all students equally.

| Three quizzes (10 points each) | 30 |
| Case Study Analysis | 15 | A = 89.50 – 100+ points |
| Mid-term exam | 20 | B = 79.50 – 89.49 |
| Class Discussion | 15 | C = 69.50 – 79.49 |
| Final Exam | 20 | D = 59.50 – 69.49 |
| | 100 | F = less than 59.5 |

Attendance and Make-up Policies
Information concerning absences is contained in the University Student Rules Section 7 (see http://www.tamug.edu/stulife/Academic_Rules/7_Attendance.html). The University views class attendance as an individual student responsibility. You 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). If the absence is excused due to an unanticipated reason per the process outlined in the University student Rules, you will be given the opportunity to make up work that was missed within one week of your return to class with the proper documentation. If the absence is excused due to a scheduled university-related activity, an email from the coach or faculty sponsor is required prior to the absence and any missed quiz or exam must be completed within one week of the absence. Work or exams missed because of an unauthorized absence will receive a zero.

Course Topics, Calendar of Activities, Major Assignment Dates
The topics covered may be changed at my discretion, but the quiz and exam dates will remain as scheduled unless you are notified in writing well in advance.

MARA 373: Tentative Course Schedule

<table>
<thead>
<tr>
<th>Date</th>
<th>Topical Areas to be covered</th>
<th>Text Chapters</th>
</tr>
</thead>
<tbody>
<tr>
<td>Week 1</td>
<td>Chapter 1: Why HRM?</td>
<td>Ch. 1</td>
</tr>
<tr>
<td>Week 1</td>
<td>Chapter 1: The Role of HR Managers</td>
<td>Ch. 1</td>
</tr>
<tr>
<td>Week 2</td>
<td>Chapter 2: Strategic Planning and Human Resource Management</td>
<td>Ch.2</td>
</tr>
<tr>
<td>Week 2</td>
<td>Chapter 3: What is Equal Employment Opportunity?</td>
<td>Ch. 3</td>
</tr>
<tr>
<td>Week 3</td>
<td>Chapter 3: Other Equal Employment Opportunity Issues</td>
<td>Ch. 3</td>
</tr>
<tr>
<td>Week 3</td>
<td>Chapter 3: Other Equal Employment Opportunity Issues</td>
<td>Ch. 3</td>
</tr>
<tr>
<td>Week 3</td>
<td>Quiz 1 (Chapters 1 – 3) Multi-Choice Questions</td>
<td>Chapters 1- 3</td>
</tr>
<tr>
<td>Week 4</td>
<td>Chapter 4: Job Analysis</td>
<td>Ch. 4</td>
</tr>
<tr>
<td>Week 4</td>
<td>Chapter 4: Job Design</td>
<td>Ch. 4</td>
</tr>
<tr>
<td>Week 4</td>
<td>Chapter 5: Recruitment and Careers</td>
<td>Ch. 5</td>
</tr>
<tr>
<td>Week 5</td>
<td>Chapter 5: Effective Recruitment Process</td>
<td>Ch. 5</td>
</tr>
<tr>
<td>--------</td>
<td>----------------------------------------</td>
<td>-------</td>
</tr>
<tr>
<td>Week 5</td>
<td>Chapter 5: Developing a Diverse Talent Pool</td>
<td>Ch.5</td>
</tr>
<tr>
<td>Week 5</td>
<td>Chapter 6: Employee Selection</td>
<td>Ch.6</td>
</tr>
<tr>
<td>Week 6</td>
<td>Chapter 6: Pre-employment Tests</td>
<td>Ch.6</td>
</tr>
<tr>
<td>Week 6</td>
<td>Chapter 6: Making Selection Decision</td>
<td>Ch.6</td>
</tr>
<tr>
<td><strong>Week 6</strong></td>
<td><strong>MID-TERM EXAMINATION (Multiple Choice Questions)</strong></td>
<td><strong>Chapters 1-6</strong></td>
</tr>
<tr>
<td>Week 7</td>
<td>Chapter 7: Training and Development</td>
<td>Ch.7</td>
</tr>
<tr>
<td>Week 7</td>
<td>Chapter 7: Designing and Implementing the Training Program</td>
<td>Ch.7</td>
</tr>
<tr>
<td>Week 7</td>
<td>Chapter 8: Performance Management</td>
<td>Ch. 8</td>
</tr>
<tr>
<td>Week 8</td>
<td>Chapter 8: Performance Evaluation Methods</td>
<td>Ch.8</td>
</tr>
<tr>
<td>Week 8</td>
<td>Chapter 8: Performance Evaluation Sessions</td>
<td>Ch.8</td>
</tr>
<tr>
<td>Week 9</td>
<td>Chapter 9: Managing Compensation</td>
<td>Ch.9</td>
</tr>
<tr>
<td>Week 9</td>
<td>Chapter 9: Compensation Pay</td>
<td>Ch. 9</td>
</tr>
<tr>
<td>Week 9</td>
<td>Chapter 9: Government Regulation of Compensation</td>
<td>Ch. 9</td>
</tr>
<tr>
<td>Week 10</td>
<td>Chapter 9: Cases 1 and 2, Page 378-379</td>
<td>Ch. 9</td>
</tr>
<tr>
<td><strong>Week 10</strong></td>
<td><strong>Quiz 2: Chapters 7,8,9</strong></td>
<td><strong>Chapters 7, 8, 9</strong></td>
</tr>
<tr>
<td>Week 10</td>
<td>Chapter 10: Incentive Plans</td>
<td>Ch. 10</td>
</tr>
<tr>
<td>Week 11</td>
<td>Chapter 10: Individual and Group Plans</td>
<td>Ch. 10</td>
</tr>
<tr>
<td>Week 11</td>
<td>Chapter 10: Enterprise Plans and Executive Incentives</td>
<td>Ch. 10</td>
</tr>
<tr>
<td>Week 11</td>
<td>Chapter 11: Employee Benefits</td>
<td>Ch. 11</td>
</tr>
<tr>
<td>Week 12</td>
<td>Chapter 11: Employee Benefits Required by Law</td>
<td>Ch. 11</td>
</tr>
<tr>
<td><strong>Week 12</strong></td>
<td><strong>Chapter 11: Work-Life Discretionary Benefits</strong></td>
<td><strong>Ch. 11</strong></td>
</tr>
<tr>
<td>Week 12</td>
<td>Chapter 13: Employee Rights and Privacy</td>
<td>Ch. 13</td>
</tr>
<tr>
<td>Week 13</td>
<td>Chapter 13: Disciplinary Policies and Procedures</td>
<td>Ch. 13</td>
</tr>
<tr>
<td>Week 13</td>
<td>Quiz 3: Chapters 10, 11, 13</td>
<td>Chapters 10, 11, 13</td>
</tr>
<tr>
<td>Week 13</td>
<td>Chapter 14: Labor Relations Process</td>
<td>Ch. 14</td>
</tr>
<tr>
<td>Week 14</td>
<td>Chapter 14: The Bargaining Process</td>
<td>Ch. 14</td>
</tr>
<tr>
<td>Week 14</td>
<td>Chapter 14: Administration of the Labor Agreement</td>
<td>Ch. 14</td>
</tr>
<tr>
<td>Week 14</td>
<td>Chapter 14: Contemporary Challenges</td>
<td>Ch. 14</td>
</tr>
<tr>
<td><strong>Week 15</strong></td>
<td><strong>Final Exam (Multiple Choice )</strong></td>
<td><strong>Chapters 7,8,9,10, 11, 13, and 14</strong></td>
</tr>
</tbody>
</table>
Other Pertinent Course Information

- All cell phones are to be off during class and will be kept in backpacks, book bags, purses or pockets during class. You may not consult the cell phone during class without prior permission.
- Laptops may be used in class only for the purpose of taking notes for this class. If it becomes apparent that the laptop is being used for any purpose other than taking notes, permission will be withdrawn.

Please print and sign the form on the last page of the syllabus signifying that you have read these policies and are willing to abide by them.

Americans with Disabilities Act (ADA)

The Americans with Disabilities Act (ADA) is a federal non-discrimination statute that provides comprehensive civil rights protection for persons with disabilities. Among other things, this law 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](http://www.tamug.edu/counsel/Disabilities.html).

Academic Integrity

"An Aggie does not lie, cheat, or steal, or tolerate those who do."

Upon accepting admission to Texas A&M University, a student immediately assumes a commitment to uphold the Honor Code, to accept responsibility for learning, and to follow the philosophy and rules of the Honor System. Students will be required to state their commitment on examinations, research papers, and other academic work. Ignorance of the rules does not exclude any member of the TAMU community from the requirements or the processes of the Honor System.

For additional information please visit: [http://www.tamug.edu/HonorSystem](http://www.tamug.edu/HonorSystem)

Statement on the Family Educational Rights and Privacy Act (FERPA)

Statement on the Family Educational Rights and Privacy Act (FERPA) 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. 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#o- Statement of Rights](http://registrar.tamu.edu/Catalogs,-Policies-Procedures/FERPA/FERPA-Notice-to-Students#o- Statement of Rights).

Items that can never be identified as public information are a student’s social security number, citizenship, gender, grades, GPR or class schedule. All efforts will be made in this class to protect your privacy and to ensure confidential treatment of information associated with or generated by your participation in the class.
Statement on Course Evaluations

The PICA (Personalized Instructor/Course Appraisal) is an online course evaluation for Texas A&M. We highly encourage you to complete an evaluation for each course on your schedule. Student input is a critical component used to improve curriculum and teaching. Each faculty member values your input to improve his/her methodology. Your comments can also significantly impact the mix and membership of faculty. The PICA website is available at http://pica.tamu.edu or your howdy portal.
Student Contract:

Please print, complete, and turn in during class.

Semester: TBA
Course: MARA 373-401 PERSONNEL MANAGEMENT CONTRACT

Printed Name ___________________________________________________

Email address ________________________________________________
(alternate to your TAMU, example Gmail)

Phone ____________________________ cell _________ home _________ work _________ (check which one applies)

I have read the instructor’s syllabus and agree to abide by the instructor’s policies and course requirements.

____________________________________________________________ Signature

____________________________________________________________ Date
Course Change Request

Viewing: **MARB 303 : Biostatistics**

Last approved: 06/19/17 3:16 am
Last edit: 10/01/18 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-MARB: Marine Biology - BS
- BS-MARF: Marine Fisheries - BS
- BS-USGA-OOH*: University Studies - BS, Oceans and One Health Concentration

---

Contact(s)

<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>

Rationale for Course

The proposed changes are part of a routine curriculum review.

---

Course prefix    MARB
Course number    303
Department        Marine Biology
College/School    Galveston Campus
Academic Level    Undergraduate

Undergraduate course level justification (Select One)

Prerequisites

All prerequisites will be enforced through COMPASS.

Effective term    **2019-2020 2017-2018**
Galveston

Complete Course Title
Biostatistics

Abbreviated Course Title
BIOSTATISTICS

---

Catalog course description

**Descriptive statistics, data visualization, introduction to probability sampling, experimental design, analysis of data, and probability distribution, parameter estimation, and testing of hypotheses, analysis of variance, correlation and regression, parametric and non-parametric techniques** with emphasis on methods applied to biological investigations.

**Parametric and non-parametric techniques**. Descriptive statistics, analysis of variance, correlation and regression.

Prerequisites and Restrictions

**MATH 142, 151 or MATH 147 or MATH 151; 142**, sophomore, junior or senior classification or approval of instructor.

Should catalog prerequisites / concurrent enrollment be enforced? Yes

---

Approval Path

1. 09/21/18 5:18 pm  
   Jaime Alvarado-Bremer (jaimeab): Approved for MARB Department Head
2. 09/24/18 4:38 pm  
   Terra Bissett (t.bissett): Approved for Curricular Services Review
3. 09/25/18 10:20 am  
   Meredith Zalesak (zalesakm): Approved for GV Committee Preparer UG
4. 10/01/18 3:30 pm  
   Donna Lang (langd): Approved for GV Committee Chair UG
5. 10/03/18 1:35 pm  
   Cari Bishop-Smith (bishopca): Approved for GV College Dean UG
6. 10/08/18 2:01 pm  
   Sandra Williams (sandra-williams): Approved for UCC Preparer
7. 11/05/18 2:46 pm  
   Sandra Williams (sandra-williams): Approved for UCC Chair

---

History
### 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>
</tr>
</thead>
<tbody>
<tr>
<td>Or</td>
<td>MATH 151</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Or</td>
<td>MATH 142</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Or</td>
<td>MATH 147</td>
<td>D</td>
<td>UG</td>
<td></td>
<td>No</td>
</tr>
<tr>
<td>Or</td>
<td>MATH 151</td>
<td>D</td>
<td>UG</td>
<td></td>
<td>No</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Crosslistings</th>
<th>No</th>
<th>Crosslisted With</th>
</tr>
</thead>
<tbody>
<tr>
<td>Stacked</td>
<td>No</td>
<td>Stacked with</td>
</tr>
</tbody>
</table>

| Semester | 4  |
| Credit   | 3  |
| Hour(s)  | 2  |
| Total    | 5  |

<table>
<thead>
<tr>
<th>Repeatable for credit?</th>
<th>No</th>
</tr>
</thead>
<tbody>
<tr>
<td>CIP/Fund Code</td>
<td>2611010002</td>
</tr>
<tr>
<td>Default Grade Mode</td>
<td>Letter Grade (G)</td>
</tr>
<tr>
<td>Method of instruction</td>
<td>Lecture and Laboratory</td>
</tr>
<tr>
<td>Will sections of this course be taught as non-traditional?</td>
<td>No</td>
</tr>
<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>
</tr>
<tr>
<td>Will classroom space be needed for this course?</td>
<td>Yes</td>
</tr>
</tbody>
</table>

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-MARB) Marine Biology - BS</td>
<td></td>
</tr>
<tr>
<td>(BS-MARF) Marine Fisheries - BS</td>
<td></td>
</tr>
<tr>
<td>(BS-MARB-LIO) Marine Biology - BS, License Option</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Elective (select program)</th>
<th>No</th>
</tr>
</thead>
<tbody>
<tr>
<td>Has/will this course be submitted for core curriculum consideration?</td>
<td>No</td>
</tr>
</tbody>
</table>
### Course Syllabus

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

#### Syllabus:
Upload syllabus

- [MARB 303- Fall 2019 Changes.pdf](MARB%20303-Fall%202019%20Changes.pdf)
- [MARB 303 Lab Syllabus Fall 2019.pdf](MARB%20303%20Lab%20Syllabus%20Fall%202019.pdf)

| Letters of support or other documentation | No |

| Additional information | Updating pre-requisites and course description for the catalog. Also adding more contact hours to the lecture portion to become a 4 credit course. |

| Reviewer Comments | Sandra Williams (sandra-williams) (11/05/18 2:46 pm): UCC approved November 2018. |

Key: 9739
MARB 303- Biostatistics

Fall 2019

Catalog and Course Description: Descriptive statistics, data visualization, introduction to probability and probability distribution, parameter estimation, and testing of hypotheses, analysis of variance, correlation and regression, parametric and non-parametric techniques with emphasis on methods applied to biological investigations.

Prerequisite: MATH 151 or 147; sophomore, junior, or senior classification or approval of instructor.

Instructor: Dr. Hui Liu
Office: OCSB 257
Office phone: (409)740-4716
E-mail: liuh@tamug.edu

Office hours: 1:30pm - 2:30pm, Monday and Wednesday or by appointment.

Class Times: Lecture: Monday/Wednesday, 10:20am-11:35am, OCSB 141

Textbook:
Introductory Biological Statistics (3rd edition) by Ray E. Hampton and John E. Havel, Waveland Press. (required)

Biostatistical Analysis (5th edition) by Zar, Pearson Prentice Hall. (reference)

YOU MUST PROVIDE A WORKING EMAIL ADDRESS THAT YOU CHECK REGULARLY. Announcements and other basic information about this course will sometimes be distributed this way.

Course Overview

1) Learning Outcomes:
Students should be able to: 1) describe fundamental concepts in applied statistics, 2) apply standard statistical methods and software for data analysis, and 3) interpret model and statistical results with regard to data analysis in marine sciences.

2) Content:
Students will learn a variety of statistical concepts and techniques to be able to analyze biological data and interpret the results in biological research. Students also will use statistical software SPSS.

3) Course Grading:
Composition of Total Grade: % final grade
Lab problems 40
Exam # 1 15
Exam # 2 15
Exam # 3 15
Exam # 4 15

100%
4) Grade Assignment:
Final grades will be based on the total points accumulated from all exams and exercises. Grades will be assigned according to the following schedule:

- A ≥ 90.0%
- B ≥ 80.0%
- C ≥ 70.0%
- D ≥ 60.0%

<table>
<thead>
<tr>
<th>Week</th>
<th>Date</th>
<th>Topic</th>
</tr>
</thead>
</table>
| 1    |      | 1. Introduction  
2. Descriptive Statistics I |
| 2    |      | 1. Descriptive Statistics II  
2. Probability and Probability Distributions |
| 3    |      | 1. Data Visualization |
| 4    |      | Exam #1 |
| 5    |      | 1. Sampling Distributions I  
2. Sampling Distributions II |
| 6    |      | 1. Estimation of Parameters  
2. Hypothesis Testing I  
3. Hypothesis Testing II |
| 7    |      | Exam #2  
F-test |
| 8    |      | 1. Analysis of Variance I  
2. Analysis of Variance II |
| 9    |      | 1. Correlation I  
2. Correlation II |
| 10   |      | 1. Simple Linear Regression I  
2. Simple Linear Regression II |
| 11   |      | Exam #3  
Multiple Linear Regression |
| 12   |      | 1. Analysis of Categorical Data I  
2. Analysis of Categorical Data II |
| 13   |      | 1. Non-parametric Tests  
2. Reading day no class |
| 14   |      | 1. Class review  
2. Exam #4 |

Absences and makeup assignments

**LECTURE AND LAB ATTENDANCE IS MANDATORY.**
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 reasons absences are considered excused by the university are listed below. See Student Rule 7 for details (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.

1) Participation in an activity that is required for a class for which a University excused absence has been issued by the Vice President for Academic Affairs.
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 one or both of these (at instructor’s discretion), 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://www.tamug.edu/stulife/Absence%20Statement.pdf or (ii) Confirmation of visit to a health care professional affirming date and time of visit.
7) Required participation in military duties.
8) Mandatory admission interviews for professional or graduate school that cannot be rescheduled.

Other absences may be excused at the discretion of the instructor with prior notification and proper documentation. 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.

**Plagiarism**

Plagiarism consists of passing off as one’s own 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 permission of that person. 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”.

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

Statement on the Family Educational Rights and Privacy Act (FERPA)
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. To obtain a listing of directory information or to place a hold on any or all of this information, please consult the Admissions & Records Office.
Items that can never be identified as public information are a student’s social security number or institutional identification number, citizenship, gender, grades, GPR or class schedule. All efforts will be made in this class to protect your privacy and to ensure confidential treatment of information associated with or generated by your participation in the class.

Statement on Course Evaluations
The PICA (Personalized Instructor/Course Appraisal) is an online course evaluation for Texas A&M. We highly encourage you to complete an evaluation for each course on your schedule. Student input is a critical component used to improve curriculum and teaching. Each faculty member values your input to improve his/her methodology. Your comments can also significantly impact the mix and membership of faculty. The PICA website is available at http://pica.tamu.edu, your Howdy portal, or by scanning:
MARB 303 Biostatistics: Lab Syllabus Fall 2019

Laboratory Location: CLB 111

Instructor: Jillian Gilmartin    Email: jgilmartin@tamu.edu

Wednesday 11:30 AM – 1:00 PM (401)
Thursday 11:10 AM – 1:00 PM (402)
Friday 10:20 AM – 12:10 PM (403)

Office Hours: Contact to make an appointment. Email is best!

Course Description: This lab will focus on applying the statistical concepts and graphing methods introduced to you in lecture. Over the course of the semester, you should also learn to master at least a moderate level of proficiency in IBM SPSS Statistics 22 software (“SPSS 22”). There are many different statistical software programs and this is one of the most commonly used in various disciplines, including marine biology.

You will need to check your @tamu email account regularly!

Grading and expectations:

The 110 total points for this laboratory will account for 40% of your total course grade.

Weekly assignments:
You may work together on statistical analyses and discuss your SPSS results in small groups during lab, but each student must complete homework questions independently (and in your own words). Duplicate homework assignments will be penalized accordingly (i.e. if two students turn in identical homework questions, each will only receive 50% credit).

All assignments are to be submitted on eCampus by the beginning of the following week’s lab (see schedule below for due dates). Any assignments received after the start of the following week’s lab will be considered late. Late assignments may be submitted to me via eCampus; however, 2 points will be deducted from the final score of your assignment for each day it is late. Assignments turned in on the due date but after the start of lab will receive a 1 point deduction.

Pop quizzes:
Over the course of the semester, I may give pop quizzes (3-5 pts) for extra credit. These quizzes will cover material from both the lab and lecture, and are intended to be used as practice for the lecture exams. No make-up quizzes will be given to students who are not present at their scheduled lab section at the start of class.
**Scholastic Dishonesty:** It is your responsibility to maintain scholastic integrity at TAMUG. Scholastic dishonesty will not be tolerated. Remember your Aggie Code of Honor: “Aggies do not lie, cheat, or steal, nor do they tolerate those who do.”

**American 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 are guaranteed a learning environment that provides for reasonable accommodation of their disabilities. If you believe you have a disability requiring accommodation, please contact the director of counseling and make an appointment with me as early as possible.

**Tentative Lab Schedule:**

<table>
<thead>
<tr>
<th>Week 1</th>
<th>Welcome to SPSS 22- Data entry and organization</th>
</tr>
</thead>
<tbody>
<tr>
<td>Week 2</td>
<td>Introduction to SPSS 22- Descriptive statistics</td>
</tr>
<tr>
<td>Week 3</td>
<td>Review and practice in SPSS 22</td>
</tr>
<tr>
<td>Week 4</td>
<td>Normal distribution (Assignment #1 due)</td>
</tr>
<tr>
<td>Week 5</td>
<td>Sampling Distribution (Assignment #2 due)</td>
</tr>
<tr>
<td>Week 6</td>
<td>Hypothesis testing and T-test (Assignment #3 due)</td>
</tr>
<tr>
<td>Week 7</td>
<td>F-test (Assignment #4 due)</td>
</tr>
<tr>
<td>Week 8</td>
<td>Introduction to ANOVA (Assignment #5 due)</td>
</tr>
<tr>
<td>Week 9</td>
<td>Correlation (Assignment #6 due)</td>
</tr>
<tr>
<td>Week 10</td>
<td>Simple and multiple linear regression (Assignment #7 due)</td>
</tr>
<tr>
<td>Week 11</td>
<td>Chi-squared testing (Assignment #8 due)</td>
</tr>
<tr>
<td>Week 12</td>
<td>Non-parametric statistical testing (Assignment #9 due)</td>
</tr>
<tr>
<td>Week 13</td>
<td><strong>Thanksgiving - NO LAB</strong></td>
</tr>
<tr>
<td>Week 14</td>
<td><strong>NO LAB</strong> – Assignment 10 due</td>
</tr>
</tbody>
</table>
Course Change Request

Date Submitted: 08/10/18 2:33 pm

Viewing: MARB 433 : Applied Bioinformatics

Last approved: 06/23/17 3:17 am

Last edit: 08/10/18 2:33 pm

Changes proposed by: ballr

Catalog Pages referencing this course

- Department of Marine Biology
- MARB - Marine Biology (MARB)

Contact(s)

<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>409-740-4531</td>
</tr>
</tbody>
</table>

Rationale for Course Edit

The proposed changes are part of a routine curriculum review.
The proposed changes are to meet the demand/interest of students.

Course prefix: MARB  
Course number: 433

Department: Marine Biology
College/School: Galveston Campus
Academic Level: Undergraduate

Undergraduate course level justification (Select One)

Prerequisites

All prerequisites will be enforced through COMPASS.

Effective term: 2019-2020 2017-2018

Galveston

Complete Course Title

Applied Bioinformatics

Abbreviated Course Title

APPLIED BIOINFORMATICS

Catalog course description

Fundamental concepts and methods in bioinformatics using sequence analysis and practical applications; includes biological databases, sequence and structure alignments, structural bioinformatics, gene prediction and genome analysis; emphasis on understanding and application of these concepts.

Prerequisites and Restrictions

MARB 301; junior or senior classification or approval of instructor.

Should catalog prerequisites / concurrent enrollment be enforced?

Yes

In Workflow

1. MARB 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. 08/09/18 1:10 pm Jaime Alvarado-Bremer (jaimeab): Approved for MARB Department Head
2. 08/09/18 3:34 pm Terra Bisse (t.bisse): Rollback to Initiator
3. 08/10/18 3:54 pm Jaime Alvarado-Bremer (jaimeab): Approved for MARB Department Head
4. 08/13/18 9:03 am Terra Bissett (t.bissett): Approved for Curricular Services Review
5. 08/21/18 4:07 pm Meredith Zalesak (zalesakm): Approved for GV Committee Preparer UG
6. 10/01/18 3:14 pm Meredith Zalesak (zalesakm): Approved for GV Committee Chair UG
7. 10/03/18 1:35 pm Cari Bishop-Smith (bishopca): Approved for GV College Dean UG
8. 10/08/18 2:01 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>
<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 301</td>
<td>D</td>
<td>UG</td>
<td></td>
</tr>
</tbody>
</table>

#### Crosslistings
- No

#### Stacked
- Yes

- Stacked with: MARB 633 - Applied Bioinformatics

<table>
<thead>
<tr>
<th>Semester Credit Hour(s)</th>
<th>Contact Hour(s) (per week):</th>
<th>Lecture:</th>
<th>Lab:</th>
<th>Other:</th>
<th>Total</th>
<th>Concurrency?</th>
</tr>
</thead>
<tbody>
<tr>
<td>4</td>
<td>3</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>6</td>
<td></td>
</tr>
</tbody>
</table>

---

**Repeatable for credit?**
- No

**CIP/Fund Code**
- 2611030002

**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)**

**Elective (select program)**

<table>
<thead>
<tr>
<th>Program(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>(BS-MARF) Marine Fisheries - BS</td>
</tr>
<tr>
<td>(BS-MARB) Marine Biology - 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

<table>
<thead>
<tr>
<th>Syllabus:</th>
<th>Upload syllabus</th>
</tr>
</thead>
<tbody>
<tr>
<td>Upload syllabus</td>
<td>MARB 433 - Bioinformatics_Syllabus (Spring 2018).pdf</td>
</tr>
<tr>
<td></td>
<td>MARB433 - Spring 2020.pdf</td>
</tr>
</tbody>
</table>

| Letters of support or other documentation | No Yes |
| Additional information | Updated syllabus now attached. |

**Reviewer Comments**

- **Terra Bissett (t.bissett)** (08/09/18 3:34 pm): Rollback: Syllabus: Please include reference to university excused absences under later submission penalty.
- **Terra Bissett (t.bissett)** (08/13/18 9:03 am): Updates received.
- **Sandra Williams (sandra-williams)** (11/05/18 2:46 pm): UCC approved November 2018.
FYI

John R. Schwarz, Regents Professor and Head
Department of Marine Biology
Director, Seafood Safety Laboratory
Texas A&M University, Galveston Campus
P.O. Box 1675, OCSB Room 268
Galveston, Texas 77553-1675

(409) 740-4453 (voice)
(409) 740-5001 (fax)
schwarzj@tamug.edu

“There is no medicine like hope, no incentive so great and no tonic so powerful as the expectation of something better tomorrow” Anonymous

Dear Professor Schwarz,

I examined the syllabus for your proposed course and the course seems to have very little overlap with the material covered in the bioinformatics course taught in our department. Thus, the Department of Statistics has no objection to the course, Applied Bioinformatics, to be offered by your department.

Best,

Michael

Dr. Michael Longnecker
Professor/Associate Department Head
Holder of the George P. Mitchell ’40 Chair in Statistics
Department of Statistics
Texas A&M University-CS
979-845-3141
From: John Schwarz <schwarzj@tamug.edu>  
Date: Friday, September 9, 2016 at 11:10 AM  
To: Valen Johnson <vejohnson@exchange.tamu.edu>, Faculty Advisory Group <longneck@stat.tamu.edu>  
Cc: Rachel Ball <ballr@tamug.edu>, Donna Lang <langd@tamug.edu>, Meredith Zalesak <zalesakm@tamug.edu>  
Subject: Proposed New Courses MARB 433 and MARB 633

Drs. Johnson and Longnecker,

The Marine Biology Department is proposing to offer a new course(s), “Applied Bioinformatics”, at both the undergraduate (MARB 433) and graduate (MARB 633) levels. If approved, these stacked courses would officially be offered in FY 2018. The courses primarily emphasize analysis and application of data and not statistical theory. A syllabus for each course is attached for your review. Your Department’s comments are requested.

Please contact me should clarification be needed.

Regards,

John R. Schwarz, Regents Professor and Head  
Department of Marine Biology  
Director, Seafood Safety Laboratory  
Texas A&M University, Galveston Campus  
P.O. Box 1675, OCSB Room 268  
Galveston, Texas 77553-1675  

(409) 740-4453 (voice)  
(409) 740-5001 (fax)  
schwarzj@tamug.edu

“There is no medicine like hope, no incentive so great and no tonic so powerful as the expectation of something better tomorrow”  
Anonymous
Thanks for reaching out to Wayne, John. As long as Biology has no objection, I certainly don’t.

Best,

Tim

-------------------
From: Wayne Versaw [mailto:wversaw@bio.tamu.edu]
Sent: Monday, October 3, 2016 2:12 PM
To: John Schwarz <schwarzj@tamug.edu>
Cc: Donna Lang <langd@tamug.edu>; Scott, Timothy P <tim@science.tamu.edu>; Christine Farris <cfarris@bio.tamu.edu>
Subject: Re: Proposed Bioinformatics Course

Dear Dr. Schwarz,

Thank you for your descriptions of the MARB 433/633 courses and the expected student clientele. I also appreciate the background information on how courses are reviewed/approved at our sister campuses. The Department of Biology will have no objection to your offering these courses.

Best regards,
Wayne Versaw

Wayne K. Versaw
Associate Head for Academic Affairs
Department of Biology
Texas A&M University
3258 TAMU
College Station, TX 77843-3258

Tel: 979-847-8587
Fax: 979-845-2891
wversaw@tamu.edu
Course title and number  MARB 433 – Applied Bioinformatics  
Term  Spring 2020  
Meeting times and location  Tuesday and Thursday, 9:35-10:50 am, CLB 112 (lectures)  
               Wednesday 2:00-4:50, PMEC 242 (lab)  

Course Description and Prerequisites

Fundamental concepts and methods in bioinformatics using sequence analysis and practical applications; includes biological databases, sequence and structure alignments, structural bioinformatics, gene prediction and genome analysis; emphasis on the understanding and application of these concepts.

With growing amount of sequence data generated, the main objective of this course is to help the students in being able to use cutting-edge bioinformatics tools to solve problems from their own research and in their professional work.

For the assignments, graduate students will have the opportunity to work with their own sequence data to advance their research project instead of the provided data.

Prerequisites: MARB 301; Junior or Senior classification or approval of instructor

This course does assume that the students have some familiarity with the use of computers and the internet.

Learning Outcomes or Course Objectives

1. Identify the challenges and opportunities in bioinformatics applications.
2. Use computational tools to study biological systems.
3. Apply different computer programs and methodologies for various biological analyzes.
4. Describe and differentiate common algorithms for studying and processing biological sequence data.
5. Define the corresponding data needed for addressing specific bioinformatics questions.
6. Analyze and discuss the results for biological applications.

Instructor Information

Name  Dr. Jessica Labonté  
Telephone number  (409) 740-4921  
Email address  labontej@tamug.edu  
Office hours  Anytime, by appointment  
Office location  OSCB 267
Textbook and/or Resource Material

There are no required textbooks for this course. Weekly readings will be posted on eCampus at least the week before class.

Suggested textbooks:

Grading Policies

<table>
<thead>
<tr>
<th>Assignment</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Assignment #1 (BLAST, multiple sequence alignment, and phylogenetic analysis)</td>
<td>15</td>
</tr>
<tr>
<td>Assignment #2 (Community analysis)</td>
<td>15</td>
</tr>
<tr>
<td>Assignment #3 (Gene syntheny)</td>
<td>10</td>
</tr>
<tr>
<td>Assignment #4 (Protein structure)</td>
<td>10</td>
</tr>
<tr>
<td>Exercises</td>
<td>5</td>
</tr>
<tr>
<td>Group project (laboratory)</td>
<td>25</td>
</tr>
<tr>
<td>Final examination</td>
<td>20</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Grade</th>
<th>A: 90-100</th>
<th>B: 80-89</th>
<th>C: 70-79</th>
<th>D: 60-69</th>
<th>F: &lt;60</th>
</tr>
</thead>
</table>

Late submissions for any assignment incur a 10% penalty for each day the submission is late. Please see the Make-Up Policy listed below.
<table>
<thead>
<tr>
<th>Week</th>
<th>Topic - Lectures</th>
<th>Laboratory</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Syllabus, Introduction and getting familiar with computer environments</td>
<td>Exercise on Linux</td>
</tr>
<tr>
<td></td>
<td>Linux and R</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Linux and R part 2</td>
<td>Exercise on R</td>
</tr>
<tr>
<td></td>
<td>Biological databases</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>Pairwise sequence alignment</td>
<td>Exercise on database and similarity searching</td>
</tr>
<tr>
<td></td>
<td>Database similarity searching</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>Multiple sequence alignment</td>
<td>Exercise on multiple sequence alignment</td>
</tr>
<tr>
<td>5</td>
<td>Phylogenetic reconstruction methods</td>
<td>Exercises on phylogeny</td>
</tr>
<tr>
<td>6</td>
<td>Sequencing technologies and handling sequence data</td>
<td>Group Project - session #1 (Identify the objectives and hypotheses)</td>
</tr>
<tr>
<td></td>
<td>Metagenomics and transcriptomics (functional genomics)</td>
<td></td>
</tr>
</tbody>
</table>

**Assignment #1 is due by Friday**

| 7    | How to install softwares                                                        | Group Project – Session #2                                                 |
|      | Community diversity analysis                                                    | Data handling and quality control                                          |
| 8    | Genome mapping and assembly                                                     | Group Project – Session #3                                                 |
|      | Assembly                                                                        | Assembly                                                                   |

**Assignment #2 is due by Friday**

| 9    | Gene syntheny and horizontal gene transfer                                      | Group Project – Session #4                                                 |
|      | Exercise on gene syntheny                                                       | Binning                                                                    |
| 10   | Gene prediction                                                                  | Group project – Session #5                                                 |
|      | Assignment #3 is due by Friday                                                  | Gene prediction and annotations                                            |
| 11   | Protein structure                                                               | Exercise on protein structure                                              |
|      | Protein structure and visualization                                             |                                                                            |
| 12   | Finding motifs                                                                  | Group Project - Session #6                                                 |
|      | Promoter and regulatory elements prediction                                     | Data analysis part I                                                       |

**Assignment #4 is due by Friday**

| 13   | RNA structure prediction                                                         | Group project – Session #7                                                 |
|      |                                                                                | Data analysis part II                                                      |
| 14   | Group Project final presentations                                               | Exercise on RNA structure prediction                                       |

**Final report for the Group Project is due by Friday**

| 15   | Review for final examination                                                    |                                                                            |

*This schedule is subject to minor changes, depending on the progression of the class.*
Attendance and make-up policies

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 reasons absences are considered excused by the university are listed below. See Student Rule 7 for details (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.

1) Participation in an activity that is required for a class for which a University excused absence has been issued by the Vice President for Academic Affairs.
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 one or both of these (at instructor’s discretion), 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://www.tamug.edu/stulife/Absence%20Statement.pdf or (ii) Confirmation of visit to a health care professional affirming date and time of visit.
7) Required participation in military duties.
8) Mandatory admission interviews for professional or graduate school that cannot be rescheduled.

Other absences may be excused at the discretion of the instructor with prior notification and proper documentation.
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 the Counseling Office, Seibel Student Center, or call (409)740-4587. For additional information visit http://www.tamug.edu/counsel/Disabilities.html.

Academic Integrity

For additional information please visit: http://www.tamug.edu/HonorSystem

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

TO: Mr. Michael K. Young
President

FROM: Dr. Karan L. Watson
Provost and Executive Vice President

SUBJECT: December 12, 2016 Faculty Senate Items

February 1, 2017

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 Zachary 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

Date Submitted: 09/14/18 11:06 am

Viewing: **MARS 305 : Environmental Micropaleontology**

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

Last edit: 09/14/18 1:49 pm

Changes proposed by: parkk

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

**Programs referencing this course**
- BS-MARB: Marine Biology - BS
- BS-OCRE: Ocean and Coastal Resources - BS
- BS-MARS: Marine Sciences - BS
- BS-MARS: Marine Sciences - BS, Geological Marine Science Track

**Faculty Senate Number**

**Contact(s)**

<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>409-740-4710</td>
</tr>
</tbody>
</table>

**Rationale for Course**

**Edit**

**Other**

Explain other rationale

**Prerequisites are updated to match the new course numbers in geology**

**Course prefix**
- MARS

**Course number**
- 305

**Department**
- Marine Sciences

**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**
- 2019-2020

**Complete Course Title**
- Environmental Micropaleontology

**Abbreviated Course Title**
- ENV MICROPALEONTOLOGY

**Catalog course description**

Environmental Micropaleontology. (3-3). Major animal, plant and protist microfossils groups, ecology, biostratigraphy, paleoenvironmental and paleoclimatic utility, primary preparation techniques, basic microscopy, research design and dissemination. Coastal foraminifera, thecamoebians and ostracods emphasized. Field trips required. Junior or senior classification or approval of instructor.

**Prerequisites and Restrictions**

https://nextcatalog.tamu.edu/courseleaf/approve/?role=Faculty%20Senate
GEOL 101 and GEOL 102. 1.4...

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>
</tr>
</thead>
<tbody>
<tr>
<td>And</td>
<td>GEOL 101, GEOL 102</td>
<td>D</td>
<td>UG</td>
</tr>
</tbody>
</table>

Crosslistings: No

Stacked: No

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

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:

Program(s)

(BS-MARS) Marine Sciences - BS, Geological Marine Science Track

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

Syllabus: Upload syllabus

Upload syllabus

Letters of support or other documentation

No

Additional information

04.17.2018 - edits made to enforce prerequisite table to comply with UCC policy to enforce listed catalog prerequisites, effective fall 2018. -sw

Reviewer Comments

Sandra Williams (sandra-williams) (11/05/18 2:46 pm): UCC approved November 2018.

Reported to state?

No
# Course Change Request

**Viewing:** MARS 306: Coastal Sedimentary Geology

**Last edit:** 09/14/18 1:50 pm

Changes proposed by: parkk

<table>
<thead>
<tr>
<th>Catalog Pages referencing this course</th>
</tr>
</thead>
<tbody>
<tr>
<td>Department of Marine Sciences</td>
</tr>
<tr>
<td>MARS: Marine Science (MARS)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Programs referencing this course</th>
</tr>
</thead>
<tbody>
<tr>
<td>BS-OCRE: Ocean and Coastal Resources - BS</td>
</tr>
<tr>
<td>BS-MARS: Marine Sciences - BS</td>
</tr>
<tr>
<td>BS-MARS: Marine Sciences - BS, Geological Marine Science Track</td>
</tr>
</tbody>
</table>

| Faculty Senate Number |

<table>
<thead>
<tr>
<th>Contact(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Name</strong></td>
</tr>
<tr>
<td>Kyeong Park</td>
</tr>
</tbody>
</table>

**Rationale for Course**

**Edit**

**Other**

*Prerequisites are updated to match the new course numbers in geology*

<table>
<thead>
<tr>
<th>Course prefix</th>
<th>Course number</th>
<th>Department</th>
<th>College/School</th>
<th>Academic Level</th>
<th>Undergraduate course level justification (Select One)</th>
</tr>
</thead>
<tbody>
<tr>
<td>MARS</td>
<td>306</td>
<td>Marine Sciences</td>
<td>Galveston Campus</td>
<td>Undergraduate</td>
<td></td>
</tr>
</tbody>
</table>

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

**Prerequisites**

*All prerequisites will be enforced through COMPASS.*

<table>
<thead>
<tr>
<th>Effective term</th>
<th>Complete Course Title</th>
<th>Abbreviated Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>2019-2020 Galveston</td>
<td>Coastal Sedimentary Geology</td>
<td>COASTAL SEDIMENT GEOLOGY</td>
</tr>
</tbody>
</table>

**Catalog course description**

A survey of modern coastal sedimentary systems, including principles of sedimentology and sediment analysis. The laboratory includes a large group field projects. Local field trips required. Junior or senior classification or approval of instructor.

**Prerequisites and Restrictions**

**GEOL 101 and GEOL 102, 104.**

**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>GEOL 101</td>
<td>D</td>
<td>UG</td>
<td></td>
</tr>
<tr>
<td>And</td>
<td>GEOL 102</td>
<td>D</td>
<td>UG</td>
<td></td>
</tr>
</tbody>
</table>

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 3032010302

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 be(en) submitted for core curriculum consideration? No

Has/will this course be(en) submitted for Writing or
<table>
<thead>
<tr>
<th>Communication consideration?</th>
<th>No</th>
</tr>
</thead>
<tbody>
<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

**Additional information**

**Reviewer Comments**
- Sandra Williams (sandra-williams) (11/05/18 2:46 pm): UCC approved November 2018.

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

Date Submitted: 09/14/18 10:59 am

Viewing: MARS 310 : Field Methods in Marine Sciences

Last approved: 04/18/18 3:26 am
Last edit: 10/30/18 3:31 pm

Changes proposed by: parkk

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
BS/MMR-OCRE/MARM-GMR: Ocean and Coastal Resources - 5-year Bachelor of Science/Master of Marine Resources Management

Faculty Senate Number

Contact(s)

<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>409-740-4710</td>
</tr>
</tbody>
</table>

Rationale for Course

Edit

Other

Explain other rationale

Prerequisites are updated to match the new course numbers in chemistry and geology

Course prefix    MARS    Course number    310
Department    Marine Sciences
College/School    Galveston Campus
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

Field Methods in Marine Sciences

Abbreviated Course Title

FIELD METH IN MAR SCI

Catalog course description

Techniques of documenting collected materials, the methods of reconnaissance and the mapping of traverses in the major coastal environments. Sampling and recording techniques, interview procedures, and the use of maps and remotely sensed imagery will be introduced. Junior or senior classification or approval of instructor.

Prerequisites and Restrictions

CHEM 120, 102, PHYS 202, PHYS 208, 202, or PHYS 207, and PHYS 217; PHYS 208, GEOL 101; GEOL 102, 104.
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>)</th>
<th>Concurrency?</th>
</tr>
</thead>
<tbody>
<tr>
<td>And</td>
<td>CHEM 120</td>
<td>D</td>
<td>UG</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Or</td>
<td>PHYS 208</td>
<td>D</td>
<td>UG</td>
<td></td>
<td></td>
</tr>
<tr>
<td>And</td>
<td>GEOL 104</td>
<td>D</td>
<td>UG</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Or</td>
<td>PHYS 207</td>
<td>D</td>
<td>UG</td>
<td></td>
<td></td>
</tr>
<tr>
<td>And</td>
<td>PHYS 217</td>
<td>D</td>
<td>UG</td>
<td></td>
<td></td>
</tr>
<tr>
<td>And</td>
<td>GEOL 101</td>
<td>D</td>
<td>UG</td>
<td></td>
<td></td>
</tr>
<tr>
<td>And</td>
<td>GEOL 102</td>
<td>D</td>
<td>UG</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Crosslistings: No

Semester: 3
Credit Hour(s): 3
Contact Hour(s): 7
Lecture: 1
Lab: 6
Other: 0
Total: 7

Repeatable for credit? No

Three-peat? No

CIP/Fund Code: 3032010302

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:

<table>
<thead>
<tr>
<th>Program(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>(BS-OCRE) Ocean and Coastal Resources - BS</td>
</tr>
</tbody>
</table>
Course Syllabus

Syllabus: Upload syllabus

Letters of support or other documentation: No

Additional information: 04.17.2018 - edits made to enforce prerequisite table to comply with UCC policy to enforce listed catalog prerequisites, effective fall 2018.

Reviewer Comments:
- Terra Bissett (t.bissett) (09/14/18 1:55 pm): Minor edits made to catalog prerequisites to comply with catalog style guide.
- Terra Bissett (t.bissett) (10/30/18 3:33 pm): Changes to prerequisites were made after review. Minor edits have been made to catalog prerequisites and enforced prerequisite table to comply with catalog style guide.
- Sandra Williams (sandra-williams) (11/05/18 2:46 pm): UCC approved November 2018.

Reported to state: No
Course Change Request

Viewing: MARS 330: Petroleum Geology

Last approved: 04/18/18 3:26 am
Last edit: 09/14/18 2:02 pm

Changes proposed by: parkk

Catalog Pages referencing this course
- MARS - Marine Science (MARS)

Programs referencing this course
- BS-OCRE: Ocean and Coastal Resources - BS
- BS/MMR-OCRE/MARM-GMR: Ocean and Coastal Resources - 5-year Bachelor of Science/Master of Marine Resources Management

Faculty Senate Number

Contact(s)

<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>409-740-4710</td>
</tr>
</tbody>
</table>

Rationale for Course

Edit
Other

Explain other rationale
Prerequisites are updated to match the new course numbers in geology

Course prefix
- MARS

Course number
- 330

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

Complete Course Title
- Petroleum Geology

Abbreviated Course Title
- PETROLEUM GEOLOGY

Catalog course description
- Origin, migration and accumulation of petroleum. Reservoir rock, traps, accumulation and conditions, and subsurface methods. Junior or senior classification or approval of instructor.

Prerequisites and Restrictions
- GEOL 101 and GEOL 102. 104...
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</td>
<td>GEOL 101 404</td>
<td>D</td>
<td>UG</td>
<td></td>
</tr>
<tr>
<td></td>
<td>GEOL 102</td>
<td>D</td>
<td>UG</td>
<td></td>
</tr>
</tbody>
</table>

Crosslistings: No

Stacked: No

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

Repeatability 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

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

04.17.2018 - edits made to enforce prerequisite table to comply with UCC policy to enforce listed catalog prerequisites, effective fall 2018. -sw

Reviewer Comments

Sandra Williams (sandra-williams) [11/05/18 2:47 pm]: UCC approved November 2018.

Reported to state?

No

Key: 9932
Course Change Request

Date Submitted: 09/14/18 11:04 am

Viewing: **MARS 340 : Geochemistry**

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

Last edit: 09/14/18 2:04 pm

Changes proposed by: parkk

<table>
<thead>
<tr>
<th>Catalog Pages referencing this course</th>
<th>Programs referencing this course</th>
</tr>
</thead>
<tbody>
<tr>
<td>Department of Marine Sciences</td>
<td>BS-MARS: Marine Sciences - BS</td>
</tr>
<tr>
<td>MARS - Marine Science (MARS)</td>
<td>BS-MARS: Marine Sciences - BS, Geological Marine Science Track</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>Kyeong Park</td>
<td><a href="mailto:parkk@tamug.edu">parkk@tamug.edu</a></td>
<td>409-740-4710</td>
</tr>
</tbody>
</table>

Rationale for Course Edit
Other

Explain other rationale

**Prerequisites are updated to match the new course numbers in chemistry and geology**

<table>
<thead>
<tr>
<th>Course prefix</th>
<th>Course number</th>
<th>Department</th>
<th>College/School</th>
<th>Academic Level</th>
<th>Undergraduate course level justification (Select One)</th>
</tr>
</thead>
<tbody>
<tr>
<td>MARS</td>
<td>340</td>
<td>Marine Sciences</td>
<td>Galveston Campus</td>
<td>Undergraduate</td>
<td>Prerequisites</td>
</tr>
</tbody>
</table>

*All prerequisites will be enforced through COMPASS.*

<table>
<thead>
<tr>
<th>Academic Level (alternate)</th>
<th>Effective term</th>
</tr>
</thead>
<tbody>
<tr>
<td>Graduate</td>
<td>2019-2020 2018-2019</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Complete Course Title</th>
<th>Abbreviated Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>Geochemistry</td>
<td>GEOCHEMISTRY</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Catalog course description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chemical principles and processes that govern the behavior of geologic materials. Silica and carbonate low temperature equilibrium and kinetics. Junior or senior classification or approval of instructor.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Prerequisites and Restrictions</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM 120, 102, GEOL 101, and GEOL 102, 104.</td>
</tr>
</tbody>
</table>
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</td>
<td>CHEM 120 402</td>
<td>D</td>
<td>UG</td>
<td></td>
</tr>
<tr>
<td>And</td>
<td>GEOL 101 404</td>
<td>D</td>
<td>UG</td>
<td></td>
</tr>
<tr>
<td>And</td>
<td>GEOL 102</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 3
Repeatable for credit? No
Three-peat? No
CIP/Fund Code 4006020002
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
### 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>04.17.2018 - edits made to enforce prerequisite table to comply with UCC policy to enforce listed catalog prerequisites, effective fall 2018. -sw</td>
</tr>
<tr>
<td>Reviewer Comments</td>
<td>Terra Bissett (t.bissett) (09/14/18 2:26 pm): Minor edits made to catalog prerequisites to comply with catalog style guide. Sandra Williams (sandra-williams) (11/05/18 2:47 pm): UCC approved November 2018.</td>
</tr>
<tr>
<td>Reported to state?</td>
<td>No</td>
</tr>
</tbody>
</table>
Course Change Request

Viewing: **MARS 425 : Coastal Wetlands Management**

Last approved: 04/18/18 3:26 am
Last edit: 09/14/18 2:07 pm
Changes proposed by: parkk

<table>
<thead>
<tr>
<th>Contact(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Name</td>
</tr>
<tr>
<td>Kyeong Park</td>
</tr>
</tbody>
</table>

Rationale for Course
- **Edit**
- **Other**

Explain other rationale

**Prerequisites are updated to match the new course numbers in geology**

Course prefix: MARS
Course number: 425

Department: Marine Sciences
College/School: Galveston Campus
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
Coastal Wetlands Management

Abbreviated Course Title
COASTAL WETLAND MGMT

Catalog course description
Wetlands management laws, regulations, wetland delineation and applications of Geographic Information System (GIS) to wetlands management. Biological species in wetlands delineation. Basic biogeochemical cycles and interactions in wetlands.

Prerequisites and Restrictions
BIOL 112, GEOL 101, 104 and GEOL 102; concurrent enrollment in MARS 426 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>And</td>
<td>BIOL 112</td>
<td>D</td>
<td>UG</td>
<td></td>
</tr>
<tr>
<td>And</td>
<td>GEOL 101 104</td>
<td>D</td>
<td>UG</td>
<td></td>
</tr>
<tr>
<td>And</td>
<td>GEOL 102</td>
<td>D</td>
<td>UG</td>
<td></td>
</tr>
<tr>
<td>And</td>
<td>MARS 426</td>
<td>D</td>
<td>UG</td>
<td>Yes</td>
</tr>
</tbody>
</table>

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

Semester 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: 0302050005
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>(BS-OCRE) Ocean and Coastal Resources - 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(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: 04.17.2018 - edits made to enforce prerequisite table to comply with UCC policy to enforce listed catalog prerequisites, effective fall 2018. -sw

Reviewer Comments:
- **Terra Bissett (t.bissett) (09/14/18 2:07 pm):** Minor edits made to catalog prerequisites to comply with catalog style guide.
- **Sandra Williams (sandra-williams) (11/05/18 2:47 pm):** UCC approved November 2018.

Reported to state? No
Course Change Request

Date Submitted: 09/14/18 11:22 am

Viewing: **MARS 426 : Coastal Wetlands Delineation Laboratory**

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

Last edit: 09/14/18 2:12 pm

Changes proposed by: parkk

<table>
<thead>
<tr>
<th>Contact(s)</th>
<th>Name</th>
<th>E-mail</th>
<th>Phone</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Kyeong Park</td>
<td><a href="mailto:parkk@tamug.edu">parkk@tamug.edu</a></td>
<td>409-740-4710</td>
</tr>
</tbody>
</table>

Rationale for Course

Edit

**Other**

The proposed changes are the result of teaching the maximum allowed times for a temporary course.

Prerequisites are updated to match the new course numbers in geology

**Course prefix**: MARS  
**Course number**: 426

**Department**: Marine Sciences

**College/School**: Galveston Campus

**Academic Level**: Undergraduate

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

**Academic Level (alternate)**: Graduate

**Effective term**: 2019-2020 2020-2021

**Complete Course Title**: Coastal Wetlands Delineation Laboratory

**Abbreviated Course Title**: COASTAL WETLANDS LAB

Catalog course description

Coastal wetlands delineation, including mapping techniques, Geographic Information System (GIS) and theodolite. Biological species and biogeochemical factors in wetlands delineation.

**Prerequisites and Restrictions**

- BIOL 112, GEOL 101, 104 and GEOL 102; concurrent enrollment registration in MARS 425 or approval of instructor.

Concurrent Enrollment: No

---

Approval Path

1. 09/14/18 11:28 am  
   Kyeong Park (parkk): Approved for MARS Department Head

2. 09/14/18 2:13 pm  
   Terra Bisse (t.bisse): Approved for Curricular Services Review

3. 09/25/18 10:23 am  
   Meredith Zalesak (zalesakm): Approved for GV Committee Preparer UG

4. 10/01/18 3:17 pm  
   Meredith Zalesak (zalesakm): Approved for GV Committee Chair UG

5. 10/03/18 1:37 pm  
   Cari Bishop-Smith (bishopca): Approved for GV College Dean UG

6. 10/08/18 2:01 pm  
   Sandra Williams (sandra-williams): Approved for UCC Preparer

7. 11/05/18 2:47 pm  
   Sandra Williams (sandra-williams): Approved for UCC Chair
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</td>
<td>BIOL 112</td>
<td>D</td>
<td>UG</td>
<td></td>
</tr>
<tr>
<td>And</td>
<td>GEOL 101 <strong>104</strong></td>
<td>D</td>
<td>UG</td>
<td></td>
</tr>
<tr>
<td>And</td>
<td>GEOL 102</td>
<td>D</td>
<td>UG</td>
<td></td>
</tr>
<tr>
<td>And</td>
<td>MARS 425</td>
<td>D</td>
<td>UG</td>
<td>Yes</td>
</tr>
</tbody>
</table>

Crosslistings No  Crosslisted With
Stacked No  Stacked with

Semester 1  Credit Hour(s) 1 Contact Hour(s) (per week): Lecture: 0  Lab: 3  Other: 0  Total: 3
Repeatable for credit? No
Three-peat? No
CIP/Fund Code 0302050005
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? 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

(BS-OCRE) Ocean and Coastal Resources - BS
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 04.17.2018 - edits made to enforce prerequisite table to comply with UCC policy to enforce listed catalog prerequisites, effective fall 2018. -sw

Reviewer Comments Terra Bissett [t.bissett] (09/14/18 2:12 pm): Minor edits made to catalog prerequisites to comply with catalog style guide.


Reported to state? No
Course Change Request

MARS 432: Peak Oil, Global Warming and Resource Scarcity

Last approved: 04/18/18 3:26 am
Last edit: 09/14/18 2:15 pm
Changes proposed by: parkk

Rationale for Course
Edit
Other

Explain other rationale

Prerequisites are updated to match the new course numbers in geology

Catalog course description

The concept of peak oil, resource depletion, and human-induced climate change and the broad consequences for food and water supplies, mortality rates, conflict, migration, and political stability; scientific/social/political debates surrounding these issues, and the individual/local/national/global options for living in a globally-warmed world with declining natural resources. Junior or senior classification.
## Prerequisites and Restrictions

Any two from GEOL 101, GEOL 102, 104, OCNG 251, MARS 280, 280 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>)</th>
<th>Concurrency?</th>
</tr>
</thead>
<tbody>
<tr>
<td>Or</td>
<td>GEOL 101 104</td>
<td>D</td>
<td>UG</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Or</td>
<td>GEOL 102</td>
<td>D</td>
<td>UG</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Or</td>
<td>OCNG 251</td>
<td>D</td>
<td>UG</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Or</td>
<td>MARS 280</td>
<td>D</td>
<td>UG</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Crosslistings

- **No**

### Stacked

- **No**

## Contact Hour(s)

<table>
<thead>
<tr>
<th>Semester</th>
<th>Credit Hour(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>3</td>
</tr>
</tbody>
</table>

| Lecture: | 3 |
| Lab:     | 0 |
| Other:   | 0 |
| Total    | 3 |

### Repeatable for credit?

- **No**

### Three-peat?

- **No**

### CIP/Fund Code

- 0301010005

### 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**

### Required (select program)

- Program(s)
  - (BS-OCRE) Ocean and Coastal Resources - BS

### Elective (select program)

- Program(s)
  - (BS-MARS) Marine Sciences - BS, Geological Marine Science Track
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: 04.17.2018 - edits made to enforce prerequisite table to comply with UCC policy to enforce listed catalog prerequisites, effective fall 2018. -sw

Reviewer Comments: Sandra Williams (sandra-williams) (11/05/18 2:47 pm): UCC approved November 2018.

Reported to state? No
Course Change Request

Viewing: **MARS 435 : Exploration Geophysics**

Last approved: 04/18/18 3:26 am
Last edit: 10/30/18 3:36 pm

Changes proposed by: parkk

### 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: Marine Sciences - BS
- BS-MARS: Marine Sciences - BS, Geological Marine Science Track
- BS/MMR-OCRE/MARM-GMR: Ocean and Coastal Resources - 5-year Bachelor of

### Faculty Senate Number

<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>409-740-4710</td>
</tr>
</tbody>
</table>

### Rationale for Course Edit

**Other**

- **Explain other rationale**
  - Prerequisites are updated to match the new course numbers in geology

### Prerequisites and Restrictions

- **Prerequisites**
  - All prerequisites will be enforced through COMPASS.

### Course Information

- **Course prefix**: MARS
- **Course number**: 435
- **Department**: Marine Sciences
- **College/School**: Galveston Campus
- **Academic Level**: Undergraduate
- **Undergraduate course level justification (Select One)**: Prerequisites
  - **Academic Level (alternate)**: Graduate
  - **Effective term**: 2019-2020 2018-2019
  - **Complete Course Title**: Exploration Geophysics
  - **Abbreviated Course Title**: EXPLORATION GEOPHYSICS

### Catalog course description

Physiomechanical properties of rocks and sediments. Seismic reflection and refraction principles applicable to offshore, coastal and onshore exploration. Determination of media velocity and stratigraphy from reflection and refraction studies in both marine and non-marine systems. Junior or senior classification or approval of instructor.

### Approval Path

1. 09/14/18 11:28 am
   - Kyeong Park (parkk): Approved for MARS Department Head
2. 09/14/18 2:25 pm
   - Terra Bisse (t.bisse): Approved for Curricular Services Review
3. 09/25/18 10:23 am
   - Meredith Zalesak (zalesakm): Approved for GV Committee Preparer UG
4. 10/01/18 3:19 pm
   - Meredith Zalesak (zalesakm): Approved for GV Committee Chair UG
5. 10/03/18 1:37 pm
   - Cari Bishop-Smith (bishopca): Approved for GV College Dean UG
6. 10/08/18 2:01 pm
   - Sandra Williams (sandra-williams): Approved for UCC Preparer
7. 11/05/18 2:47 pm
   - Sandra Williams (sandra-williams): Approved for UCC Chair

### History

- **Date Submitted**: 09/14/18 11:26 am
- **Viewing**: MARS 435 : Exploration Geophysics
- **Last approved**: 04/18/18 3:26 am
- **Last edit**: 10/30/18 3:36 pm
- **Changes proposed by**: parkk
- **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: Marine Sciences - BS
  - BS-MARS: Marine Sciences - BS, Geological Marine Science Track
  - BS/MMR-OCRE/MARM-GMR: Ocean and Coastal Resources - 5-year Bachelor of

---

https://nextcatalog.tamu.edu/courseleaf/approve/?role=Faculty%20Senate
PHYS 202, PHYS 208, 207, or PHYS 217; GEOL 101, GEOL 102, 104; MATH 151, MATH 142, or MATH 147.

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>PHYS 202</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>
</tr>
<tr>
<td>And</td>
<td>GEOL 104</td>
<td>D</td>
<td>UG</td>
<td></td>
</tr>
<tr>
<td>And</td>
<td>MATH 151</td>
<td>D</td>
<td>UG</td>
<td></td>
</tr>
<tr>
<td>Or</td>
<td>PHYS 207</td>
<td>D</td>
<td>UG</td>
<td>}</td>
</tr>
<tr>
<td>And</td>
<td>PHYS 217</td>
<td>D</td>
<td>UG</td>
<td>}</td>
</tr>
<tr>
<td>And</td>
<td>MATH 151</td>
<td>D</td>
<td>UG</td>
<td></td>
</tr>
<tr>
<td>Or</td>
<td>MATH 142</td>
<td>D</td>
<td>UG</td>
<td></td>
</tr>
<tr>
<td>Or</td>
<td>MATH 147</td>
<td>D</td>
<td>UG</td>
<td>}</td>
</tr>
<tr>
<td>And</td>
<td>GEOL 101</td>
<td>D</td>
<td>UG</td>
<td></td>
</tr>
<tr>
<td>And</td>
<td>GEOL 102</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)
3 Contact Hour(s)
(per week):
Lecture: 3 Lab: 0 Other: 0 Total: 3
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
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-MARS) Marine Sciences - BS, Geological Marine Science Track</td>
</tr>
</tbody>
</table>

| 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**

- Syllabus: Upload syllabus

**Additional information**

- 04.17.2018—edits made to enforce prerequisite table to comply with UCC policy to enforce listed catalog prerequisites, effective fall 2018-sw

**Reviewer Comments**

- Terra Bissett (t.bissett) (09/14/18 2:24 pm): Minor edits made to catalog prerequisites to comply with catalog style guide.
- Terra Bissett (t.bissett) (10/30/18 3:35 pm): Changes to prerequisites were made after review. Minor edits have been made to catalog prerequisites and enforced prerequisite table to comply with catalog style guide.
- Sandra Williams (sandra-williams) (11/05/18 2:47 pm): UCC approved November 2018.

**Reported to state?**

- No
Course Change Request

Viewing: **MART 202 : Ship Stability and Trim**

Formerly known as: **NAUT 202**

Last approved: 08/29/17 3:18 am

Changes proposed by: ferrerd

**Catalog Pages referring this course**

- Department of Maritime Transportation
- MART - Marine Transportation (MART)

**Programs referencing this course**

- MART 202:
  - BS-MART: Marine Transportation - BS
  - BS-MARS-LIO: Marine Sciences - BS, License Option

As A Banner Prerequisite:

**Rationale for Course**

**Edits**

- **Other**

**Explain other rationale**

**Purpose is to align ‘C’ or better requirement per catalog & program curriculum.**

<table>
<thead>
<tr>
<th>Contact(s)</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></td>
</tr>
<tr>
<td>Donna Ferrer</td>
<td><a href="mailto:ferrerd@tamug.edu">ferrerd@tamug.edu</a></td>
<td>409-740-4887</td>
</tr>
</tbody>
</table>

**Course prefix**

- MART

**Course number**

- 202

**Department**

- Marine Transportation

**College/School**

- Galveston Campus

**Academic Level**

- Undergraduate

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

- Academic Level (alternate)
  - Graduate

**Effective term**

- 2019-2020

**Complete Course Title**

- Ship Stability and Trim

**Abbreviated Course Title**

- SHIP STABILITY AND TRIM

**Catalog course description**

Principles of flotation and buoyancy; inclining experiments; free surface; transverse and longitudinal stability; trim; motion of ship in waves and seaways; application of stability, trim and stress tables; effect of center of gravity on seaworthiness and stability; actions in event of partial loss of intact buoyancy; fundamentals of watertight integrity.
Prerequisites and Restrictions

Grade of C **MART 200** or better in **MART 200** or **NAUT 200**, or concurrent enrollment; **NAUT 200**. **MART 103, MART 115, MART 201** and **MART 204**, or concurrent enrollment, or approval of **MART** department head.

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></th>
<th>Concurrency</th>
</tr>
</thead>
<tbody>
<tr>
<td>And</td>
<td>MART-103</td>
<td>C</td>
<td>UG</td>
<td></td>
<td>Yes</td>
</tr>
<tr>
<td>And</td>
<td>MART-115</td>
<td>C</td>
<td>UG</td>
<td></td>
<td>Yes</td>
</tr>
<tr>
<td>And</td>
<td>MART-201</td>
<td>C</td>
<td>UG</td>
<td></td>
<td>Yes</td>
</tr>
<tr>
<td>And</td>
<td>MART-204</td>
<td>C</td>
<td>UG</td>
<td></td>
<td>Yes</td>
</tr>
<tr>
<td>And</td>
<td>MART 103</td>
<td>C</td>
<td>UG</td>
<td></td>
<td>Yes</td>
</tr>
<tr>
<td>And</td>
<td>MART 115</td>
<td>C</td>
<td>UG</td>
<td></td>
<td>Yes</td>
</tr>
<tr>
<td>And</td>
<td>MART 201</td>
<td>C</td>
<td>UG</td>
<td></td>
<td>Yes</td>
</tr>
<tr>
<td>And</td>
<td>MART 204</td>
<td>C</td>
<td>UG</td>
<td></td>
<td>Yes</td>
</tr>
<tr>
<td>Or</td>
<td>MART 200</td>
<td>C</td>
<td>UG</td>
<td></td>
<td>Yes</td>
</tr>
<tr>
<td>Or</td>
<td>NAUT 200</td>
<td>C</td>
<td>UG</td>
<td></td>
<td>Yes</td>
</tr>
</tbody>
</table>

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  4903090012
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>Required (select program)</th>
<th>No</th>
</tr>
</thead>
<tbody>
<tr>
<td>Elective (select program)</td>
<td>No</td>
</tr>
<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**

<table>
<thead>
<tr>
<th>Syllabus:</th>
<th>Upload syllabus</th>
</tr>
</thead>
<tbody>
<tr>
<td>Upload syllabus</td>
<td></td>
</tr>
<tr>
<td>Letters of support or other documentation</td>
<td>No</td>
</tr>
<tr>
<td>Additional information</td>
<td></td>
</tr>
</tbody>
</table>

**Reviewer Comments**

Sandra Williams (sandra-williams) (11/05/18 2:48 pm): UCC approved November 2018.

**Reported to state?**

<table>
<thead>
<tr>
<th>GV</th>
<th>No</th>
</tr>
</thead>
</table>