TAMUG
CHANGE IN COURSES
Texas A&M University
Departmental Request for a Change in Course
Undergraduate + Graduate + Professional
Submit original form and attachments.

Form Instructions
1. Course request type:
   - [ ] Undergraduate
   - [X] Graduate
   - [ ] First Professional (MD, JD, PhD, DVM)
2. Request submitted by (Department or Program Name):
   Department of Marine Biology
3. Course prefix, number and complete title of course:
   - MARB 437 PATHOLOGY OF MARINE ANIMALS

4. Change requested:
   a. Prerequisite(s): From: MARB 315, 435, MCRR 351, Junior or Senior Classification or approval of Instructor. To: MARB 315, Junior or Senior Classification or approval of Instructor.
   b. Cross-list with:
   c. Cross-listed courses require the signature of both department heads.
   d. Change in course title and description. Enter complete current course title and current course description in item 9; enter proposed course title and proposed course description in item 10. Complete item 11a and b for a change in title.

5. Is this an existing core curriculum course:
   - [X] Yes
   - [ ] No

6. If grade type is changing for existing course, indicate the new grade type:
   - [ ] Grade
   - [X] S/U
   - [ ] P/F (CLNSD)

7. If course will be stacked, please indicate the course number of the stacked course:
   - [X] I verify that I have reviewed the FAQ for Export Control Basics for Distance Education (http://vpr.tamu.edu/resources/export-controls/export-control-basics-for-distance-education).

9. Complete current course title and current catalog course description:
   An introduction to the structural and functional changes in cells, tissues and organ systems of marine invertebrates and vertebrates as they relate to disease and/or injury. Mechanisms of disease and identification of lesions in common diseases and human-induced injuries will be included. Laboratory will consist of gross and microscopic aspects of pathology in both invertebrates and vertebrates.

10. Complete proposed course title and proposed catalog course description (not to exceed 50 words):
   Examination of changes or loss of physiological function as related to common diseases (viral, bacterial, parasitic) or injury; identification of disease in cells, tissues and organ systems of marine invertebrates and vertebrates. Emphasis on marine mammals, fish and marine reptiles/birds also presented. Clinical manifestations, diagnostics and treatments are discussed.

11. a. As currently in course inventory:

<table>
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Approval recommended by:

Department Head or Program Chair (Type Name & Sign) Date
Chair, College Review Committee Date
Dean of College Date

Submitted to Coordinating Board by:

Chair, GC or UCC Date

Associate Director, Curricular Services

Questions regarding this form should be directed to Sandra Williams at 845-8201 or sandra.williams@tamu.edu.
Curricular Services – 08/14
Course title and number  MARB 437 – Pathology of Marine Animals

Term  Fall 2016
Meeting times and location  TBD.

COURSE DESCRIPTION: MARB 437 (3-0). 3 Credits.
Examination of changes or loss of physiological function as related to common diseases (viral, bacterial, parasitic) or injury. Mechanisms of disease in cells, tissues and organ systems of marine vertebrates are presented. Emphasis on marine mammals. Fishes and marine reptiles/birds also presented. Clinical manifestations, diagnostics and treatments are discussed.

PREREQUISITES:
- MARB 315
- Junior and senior classification or approval by instructor.

LEARNING OUTCOMES:
After completing the course, students should be able to:

- Discriminate between different diseases affecting marine animals.
- Explain how the physiological function of different organ systems are affected by these diseases.
- Describe how these physiological changes are affecting overall health of the animal.
- Evaluate, based on symptoms, which disease the animal contracted.
- Apply knowledge of each disease to determine appropriate treatment.
- Examine how biotic and abiotic factors can increase the risk of various diseases.

INSTRUCTOR INFORMATION:
Name  Dr. Lene H. Petersen
Telephone number  409-740-4768
Email address  petersel@tamug.edu
Office hours  by appointment
Office location  Bldg. 3029, room # 241
TEXTBOOK AND RESOURCE MATERIAL:
Textbooks are optional, but highly recommended.


GRADING:
A = 90 to 100%
B = 80 to 89%
C = 70 to 79%
D = 60 to 69%
F = 59 and below

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<td>Infectious diseases of marine mammals</td>
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<td>Week 13</td>
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<td>Week 14</td>
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*finals begin*

*syllabus is subject to change*
EXAMS: There will be 4 exams each worth 100 points. All exams are in-class, closed book and must be done independently. No electronic devices will be allowed to be out during the exam. Exams 1-4 are not comprehensive, however, an understanding of all topics covered up until the exam is expected. Exams may contain true/false, multiple choice, diagrams/graphs, short answer and short essay questions. Point totals will be on the exam. Students may ask clarification from the exam proctor but may not ask for help getting the answer. Students will have entire class time to complete the exam.

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%20Rules/Rule%207.pdf). 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.

ATTENDANCE/PARTICIPATION: To successfully complete this course, you should attend all lectures. The textbook covers advanced topics and hence lectures will interpret and synthesize topics presented in the text. In order to obtain a full comprehension of fish physiology it is essential to read the material before coming to class. If a student misses a class, it is the student’s responsibility to obtain lecture notes and material from classmates.

ABSENCES: Information concerning absences is contained in the University Student Rules Section 7 (http://www.tamug.edu/stulife/Academic_Rules/7_Absence.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).

INDEPENDENCE, APPROPRIATE REFERENCES AND THEIR CITATION: All aspects of the course must be done independently and NOT as team efforts except where specifically requested by the course teachers. All perceived copying or sharing will be penalized by subtraction of that part of the assignment from the final grade. Plagiarism can include but is not limited to:
   • Steal and pass off (the ideas or words of another) as one’s own.
• To use (another’s production) without crediting the source.
• To commit literary theft.
• To present as new and original an idea or product derived from an existing source.

CLASSROOM BEHAVIOR: The TAMUG Academic Rule 21 states "Texas A&M University supports the principle of freedom of expression for both instructors and students. The university respects the rights of instructors to teach and students to learn. Maintenance of these rights requires classroom conditions that do not impede their exercise. Classroom behavior that seriously interferes with either (1) the instructor's ability to conduct the class or (2) the ability of other students to profit from the instructional program will not be tolerated. And individual engaging in disruptive classroom behavior may be subject to disciplinary action". Limit private conversations, use of electronic devices, or anything that could distract the instructor or other students. If you have business to conduct, quietly leave the room. See http://www.tamug.edu/stulife/Academic%20Rules/Rule%2021.pdf for more information.

AGGIE CODE OF HONOR AND ACADEMIC INTEGRITY: For many years Aggies have followed a code of Honor, which is stated in this very simple verse:

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

The Aggie Code of Honor is an effort to unify the aims of all Texas A&M men and women toward a high code of ethics and personal dignity. This code also applies in the classroom. For most, living under this code will be no problem, as it asks nothing of a person that is beyond reason. The Aggie code of honor and the scholastic dishonesty section in the TAMUG University Rules will be the standard upon which scholastic integrity is maintained in MARB 437. Refer to the Honor Council Rules and Procedures at http://www.tamug.edu/honorSystem

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

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 or your Howdy portal, or by scanning:
Texas A&M University
Departmental Request for a Change in Course
Undergraduate + Graduate + Professional
- Submit original form and attachments -

Form Instructions
1. Course request type:  
   - Undergraduate  
   - Graduate  
   - First Professional (D.D.S., M.D., J.D., Pharm.D., D.V.M.)
2. Request submitted by (Department or Program Name): Marine Sciences
3. Course prefix, number and complete title of course: MARS 101 Marine Science Matters

4. Change requested:
   a. Prerequisite(s): From: ____________________________ To: ____________________________
   b. Withdrawal (reason):
   c. Cross-list with:

   Cross-listed courses require the signature of both department heads:

   d. Change in course title and description. Enter complete current course title and current course description in item 9; enter proposed course title and proposed course description in item 10. Complete item 11a and b for a change in title.

   e. Change in course number, contact hours (lab & lecture), and semester credit hours. Complete item 11a and b. Attach a course syllabus.

5. Is this an existing core curriculum course?  
   - Yes  
   - No

6. If grade type is changing for existing course, indicate the new grade type:  
   - Grade  
   - S/U  
   - P/F (CLMS)

7. If this course will be stacked, please indicate the course number of the stacked course:

   I verify that I have reviewed the FAQ for Export Control Basics for Distance Education (http://vpr.tamu.edu/resources/export-controls/export-controls-basics-for-distance-education).

8. Complete current course title and current catalog course description:

   101. INTRODUCTION TO MARINE SCIENCES. (1-0). Credit 1. A non-technical introduction to the field of marine sciences, including biology, ocean activities, and marine industries. Course includes lectures, seminars, outside speakers, and industrial contacts.

9. Complete proposed course title and proposed catalog course description (not to exceed 50 words):

   101. MARINE SCIENCE MATTERS. (1-0). Credit 1. A non-technical introduction to the field of marine sciences, including biology, ocean activities, and marine industries. Course includes lectures, seminars, outside speakers, and industrial contacts.

10. As currently in course inventory:

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Approval recommended by: ________________________  9/16/15

Department Head or Program Chair (Type Name & Sign)  Date  Chair, College Review Committee

Department Head or Program Chair (Type Name & Sign)  Date  Date of College

Submitted to Coordinating Board by: ________________________  10/19/15

Chair, GC or UCC  Date

Associate Director, Curricular Services

Questions regarding this form should be directed to Sandra Williams at 845-8201 or sandra.williams@tamu.edu.
Curricular Services – 08/14
MARS 101 Marine Science Matters

The primary change to this course is the name change with an updated description, to make it a more interesting title and to fit with the use of this course as a freshman experience for both marine science and ocean and coastal resources majors. It has not been required in either degree program in the past, but has been added to both degree programs in these changes. The addition of a vessel trip as a part of the course will enhance the opportunity to bring the students out to the environment they are studying.
Texas A&M University
Departmental Request for a Change in Course
Undergraduate + Graduate + Professional

Form Instructions
1. Course request type:
   - Undergraduate
   - Graduate
   - First Professional (DVM, MD, JD, Ph.D., DPA)
2. Request submitted by (Department or Program Name):
   - Marine Sciences
3. Course prefix, number and complete title of course:
   - MARS 303 Computing and Data Display

4. Change requested:
   a. Prerequisite(s):
      - From: ____________________________
      - To: ____________________________
   b. Withdrawal (reason):
      ____________________________
   c. Cross-list with:
      ____________________________
   d. Change in course title and description:
      Enter complete current course title and current course description in item 9; enter proposed course title and proposed course description in item 10. Complete item 11a and b.

5. Is this an existing core curriculum course?
   - Yes
   - No

6. If grade type is changing for existing course, indicate the new grade type:
   - Grade
   - S/U
   - P/F (C/MH)

7. If this course will be stacked, please indicate the course number of the stacked course:
   ____________________________

8. I verify that I have reviewed the FAQ for Export Control Basics for Distance Education (http://vpr.tamu.edu/resources/export-controls/export-control-basics-for-distance-education).

9. Complete current course title and current catalog course description:
   303. INTRODUCTION TO COMPUTING AND DATA DISPLAY (2-2) Credit 3. The purpose of this course is to introduce the student to the elements of programming and data display primarily through the MATLAB computing environment. Students will also be exposed to the FORTRAN programming language and the UNIX operating system. Prerequisites: Jr or Sr classification or approval of instructor.

10. Complete proposed course title and proposed catalog course description (not to exceed 50 words):
    303. COMPUTING AND DATA DISPLAY (2-2) Credit 3. Elements of programming and data display primarily through the MATLAB computing environment; includes an introduction to statistics and hypothesis testing with MATLAB. Prerequisites: Jr or Sr classification or approval of Instructor.

11. a. As currently in course inventory:

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Approval recommended by: ____________________________

Department Head or Program Chair (Type Name & Sign) ____________________________
Date ____________________________

Chair, College Review Committee ____________________________
Date ____________________________

Chair, College ____________________________
Date ____________________________

Submitted to Coordinating Board by: ____________________________
Chair, GC or UCC ____________________________
Date ____________________________

Associate Director, Curricular Services ____________________________
Date ____________________________

Effective Date ____________________________

Questions regarding this form should be directed to Sandra Williams at 845-8301 or sandra-williams@tamu.edu.
MARS 303 Computing and Data Display

The first change is to take the word introduction out of the title since this is a junior level course. Some major changes to the course include taking FORTRAN out and putting in some statistics, all in the context of programming with MATLAB, which was already a part of the course. This software is heavily utilized by scientists and is preferred by oceanographers, and still provides an opportunity to write and debug in a procedural programming language. The exposure to some statistics is desirable for the marine science majors, especially those on the geological track.
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Form Instructions
1. Course request type:  [ ] Undergraduate  [ ] Graduate  [ ] First Professional (DKK, HJ, JD, Ph.D, DV, etc.)
2. Request submitted by (Department or Program Name): Marine Sciences
3. Course prefix, number and complete title of course: MARS 410 Introduction to Physical Oceanography
4. Change requested
   a. Prerequisite(s): From: MATH 251, PHYS 208, Jr or Sr or approval of instructor
   b. Withdrawal (reason):
   c. Cross-list with:
   d. Change in course title and description. Enter complete current course title and current course description in Item 9; enter proposed course title and proposed course description in Item 10. Complete item 11a and b for a change in title.
   e. Change in course number, contact hours (lab & lecture), and semester credit hours. Complete item 11a and b. Attach a course syllabus.
5. Is this an existing core curriculum course?
6. If grade type is changing for existing course, indicate the new grade type: [ ] S/U  [ ] P/F  [ ] Yes  [ ] No
7. If this course will be stacked, please indicate the course number of the stacked course:
   ☐ I verify that I have reviewed the FAQ for Export Control Basics for Distance Education (http://vtigo.tamun.edu/resources/export-control/)
8. Complete current course title and current catalog course description:
MARS 410. Introduction to physical oceanography. (3-0) Credit 3. Introduction to elements of the physics of the ocean; descriptive aspects and theoretical explanations of circulation, characteristic structure, and waves.

10. Complete proposed course title and proposed catalog course description (not to exceed 50 words):
MARS 410. Physical oceanography. (3-0) Credit 3. Introduction to elements of the physics of the ocean; descriptive aspects and theoretical explanations of circulation, characteristic structure, and waves.

11. a. As currently in course inventory:
   
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   Approval recommended by:
   Kyeong Park

   Department Head or Program Chair (Type Name & Sign) Date
   Chairman, College Review Committee

   Department Head or Program Chair (Type Name & Sign) Date
   (If cross-listed course)

   Submitted to Coordinating Board by:
   Chair, GC or UCC

   Date

   Associate Director, Curricular Services

   Date

   Effective Date

Questions regarding this form should be directed to Sandra Williams at 845-8201 or s.williams@tamu.edu.
Curricular Services – 08/14
MARS 410 Physical Oceanography

One change is to remove the word introduction from this senior level course. Also the
prerequisites are changed to include OCNG 251, MARS 252 and to a lower math requirement, MATH 152
(from MATH 251). It is desirable to have the students take the introductory oceanography course and
laboratory prior to the upper level oceanography courses. Also the Marine Science-License Option
students are not required to take MATH 251 but they are required to take MARS 410. This change then
improves internal consistency.
Texas A&M University
Departmental Request for a Change in Course
Undergraduate • Graduate • Professional
• Submit original form and attachments

Form Instructions
1. Course request type: ☑ Undergraduate ☐ Graduate ☐ First Professional (M.D., J.D., Pharm.D, D.V.M)
2. Request submitted by (Department or Program Name): Marine Sciences
3. Course prefix, number and complete title of course: MARS 430 Geological Oceanography-Plate Tectonics

Attach a brief supporting statement for changes made in items 4a, 4b, 4d, and 10 below.

4. Change requested
   a. Prerequisite(s): From: GEOL 104, Jr or Sr classification or approval of Instructor To: GEOL 101, OCNG 251, Jr or Sr classification or approval of instructor
   b. Withdrawal (reason):
   c. Cross-list with: [Cross-listed courses require the signature of both department heads]
   d. Change in course title and description. Enter complete current course title and current course description in item 9; enter proposed course title and proposed course description in item 10. Complete item 11a and b for a change in title.
   e. Change in course number, contact hours (lab & lecture), and semester credit hours. Complete item 11a and b. Attach a course syllabus.

5. Is this an existing core curriculum course? ☑ Yes ☐ No
6. If grade type is changing for existing course, indicate the new grade type: □ Grade □ S/U □ P/F ( Only)
7. If course will be stacked, please indicate the course number of the stacked course:
8. I verify that I have reviewed the FAQ for Export Control Basics for Distance Education (https://pr.tamu.edu/resources/export-control-basics-for-distance-education)
9. Complete current course title and current catalog course description: 430. Geological Oceanography - Plate Tectonics (3-0) Credit 3. Understanding the complex interactions of the earth system and the critical role that geological oceanography plays in those interactions, specifically the plate tectonic aspects of geological oceanography.

10. Complete proposed course title and proposed catalog course description (not to exceed 50 words):

11. a. As currently in course inventory:

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Approval recommended by: [Signature]

Department Head or Program Chair (Type Name & Sign) Date

Department Head or Program Chair (Type Name & Sign)
(if cross-listed course) Date

Submitted to Coordinating Board by:

Associate Director, Curricular Services Date

Questions regarding this form should be directed to Sandra Williams at 945-8201 or sandra.williams@tamu.edu.
Curricular Services – 08/14
MARS 430 Geological Oceanography-Plate Tectonics

One change is to remove the word introduction from this senior level course. Also the prerequisites are changed to include OCNG 251. It is desirable to have the students take the introductory oceanography course prior to the upper level oceanography courses. The other prerequisite, GEOL 104, is changed to GEOL 101 to be consistent with that change in the curricula. GEOL 101 is a core science and GEOL 104 is not.
Texas A&M University
Departmental Request for a Change in Course
Undergraduate • Graduate • Professional
Submit original form and attachments •

Form Instructions:
1. Course request type: ☑️ Undergraduate ☐ Graduate ☐ First Professional (MD, JD, PharmD, LVNPA)
2. Request submitted by (Department or Program Name): Marine Sciences
3. Course prefix, number and complete title of course: MARS 431 Geological Oceanography-Earth's Climate

4. Change requested:
   a. Prerequisite(s): From: GEOC 104, Jr or Sr classification or approval of instructor
   b. Withdrawal (reason):
   c. Cross-list with:

   Cross-listed courses require the signature of both department heads:

   d. Change in course title and description. Enter complete current course title and current course description in item 9; enter proposed course title and proposed course description in item 10. Complete item 11a and b for a change in title.

   e. Change in course number, contact hours (lab & lecture), and semester credit hours. Complete item 11a and b. Attach a course syllabus.

5. Is this an existing core curriculum course?
6. If grade type is changing for existing course, indicate the new grade type: ☑️ Grade ☐ S/U ☐ P/F (CLHD)
7. If this course will be stacked, please indicate the course number of the stacked course:

8. I verify that I have reviewed the FAQ for Export Controls Basics for Distance Education (http://ltc.tamu.edu/resource/export-control/basics-for-distance-education).

9. Complete current course title and current catalog course description:
   431. Geological Oceanography - Earth's Climate (3-0) Credit 3. Understanding the complex interactions of the earth system and the critical role that geological oceanography plays in these interactions, specifically the paleoceanographic/climate change aspects of geological oceanography.

10. Complete proposed course title and proposed catalog course description (not to exceed 50 words):

11. a. As currently in course inventory:

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Approval recommended by:

Department Head or Program Chair (Type Name & Sign) Date

Department Head or Program Chair (Type Name & Sign) Date

Submitted to Coordinating Board by:

Associate Director, Curricular Services Date

Questions regarding this form should be directed to Sandra Williams at 845-8201 or sandra.williams@tamu.edu.
Curricular Services - 08/14
MARS 431 Geological Oceanography-Earth's Climate

One change is to remove the word introduction from this senior level course. Also the prerequisites are changed to include OCNG 251. It is desirable to have the students take the introductory oceanography course prior to the upper level oceanography courses. The other prerequisite, GEOL 104, is changed to GEOL 101 to be consistent with that change in the curricula. GEOL 101 is a core science and GEOL 104 is not.
Texas A&M University
Departmental Request for a Change in Course
Undergraduate + Graduate + Professional
- Submit original form and attachments -

Form Instructions

1. Course request type: 
   - [X] Undergraduate  
   - [ ] Graduate  
   - [ ] First Professional (EdD, MEd, JD, Ph.D, D.V.M)

2. Request submitted by (Department or Program Name): Marine Sciences

3. Course prefix, number and complete title of course: MARS 440 Chemical Oceanography

4. Change requested
   - [ ] Prerequisite(s): From: CHEM 102, Jr or Sr classification or approval of instructor
   - [ ] Withdrawal (reason):

5. Cross-listed with:

6. Change in course title and description. Enter complete current course title and current course description in item 9; enter proposed course title and proposed course description in item 10. Complete item 11a and b for a change in title.

7. Change in course number, contact hours (lab & lecture), and semester credit hours. Complete item 11a and b. Attach a course syllabus.

8. Is this an existing core curriculum course?
   - [ ] Yes  
   - [X] No

9. If grade type is changing for existing course, indicate the new grade type:
   - [ ] Grade  
   - [ ] S/U  
   - [ ] PF (claw)

10. If this course will be stacked, please indicate the course number of the stacked course:

11. Complete current course title and current catalog course description:
   440. INTRODUCTION TO Chemical Oceanography. (3-0) Credit 3. Introduction to chemical processes in the marine environment. Composition of sea salt, chemical specification of dissolved material in the ocean. Biogeochemistry of oxygen, major nutrient elements, and trace metals in the surface and deep ocean. Formation, chemical composition, and alterations of detrital material and marine sediments. Simple models which relate ocean chemistry to the circulation of identifiable masses of water. Radioisotopes and stable isotopes in chemical

   a. As currently in course inventory:
   
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<td>4</td>
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   Approval recommended by: [Signature]
   Department Head or Program Chair (Type Name & Sign) Date
   Chair, College Faculty Committee Date
   Dean of College Date

   Submitted to Coordinating Board by:
   Chair, GC or UCC Date

   Effective Date

   Questions regarding this form should be directed to Sandra Williams at 845-2001 or sandra.williams@tamu.edu
   Curricular Services – 08/14
MARS 440 Chemical Oceanography

One change is to remove the word introduction from this senior level course. Also the prerequisites are changed to include OCNG 251. It is desirable to have the students take the introductory oceanography course prior to the upper level oceanography courses. The catalog description was changed slightly to better reflect the currently preferred style.
Texas A&M University

Departmental Request for a Change in Course
Undergraduate + Graduate + Professional

1. Course request type:  
   - Undergraduate  
   - Graduate  
   - First Professional (DDS, MD, JD, PharmD, DPA)

2. Request submitted by (Department or Program Name):
   [Department or Program Name]

3. Course prefix, number and complete title of course:
   MARS 460 Capstone Undergraduate Research Experience

4. Change requested:
   a. Prerequisite(s): From:  
      To:  
   b. Withdrawal (reason):
   c. Cross-list with:

5. Is this an existing core curriculum course?
   - Yes  
   - No

6. If course type is changing for existing course, indicate the new course type:
   - Grade
   - S/U
   - P/F (current)

7. If this course will be stacked, please indicate the course number of the stacked course:

8. I verify that I have reviewed the FAQ for Export Control Basics for Distance Education (http://www.tamu.edu/resources/export-control-basics-for-distance-education).

9. Complete current course title and current catalog course description:
   460. Modern Oceanographic Methods. (3-0) Credit 4. This course will provide students with hands-on experience with modern ocean observational tools and data analysis techniques. Focus is on the four major oceanographic disciplines, i.e., geology, chemistry, physics and biology. Students will receive the necessary theoretical background, collect and analyze their own data and learn how to prepare scientific reports summarizing their work.

10. Complete proposed course title and proposed catalog course description (not to exceed 50 words):
    461. Capstone Undergraduate Research Experience I. (1-0) Credit 1. Methodology for research outlines, organization and strategies; research ethics, writing and presentation of results. Concurrent enrollment in MARS 491, senior standing, or permission of the instructor (note, additional prerequisites may be required by faculty mentors, as related to the nature of their 491 projects)

11. a. As currently in course inventory:
    - Prefix: MARS  
      - Course # 460  
      - Title: Modern Oceanographic Methods
      - Lect.: 3.00  
      - Lab: 8.00  
      - Other: 0.00  
      - SCH: 5.00  
      - CH# and Fund Code: 3032010002  
      - Admin. Unit: 1810  
      - FICE Code: 010298

    b. Change to:
      - Prefix: MARS  
      - Course # 461  
      - Title: Capstone Undergraduate Res Exp I
      - Lect.: 1.00  
      - Lab: 0.00  
      - Other: 0.00  
      - SCH: 1.00  
      - CH# and Fund Code: 3032010002  
      - Admin. Unit: 1810  
      - FICE Code: 010298

Approval recommended by:
   [Name]
   [Date]

Chair, College Review Committee

Date

Submitted to Coordinating Board by:
   [Name]
   [Date]

Associate Director, Curricular Services
   [Date]  

Effective Date

Questions regarding this form should be directed to Steven Williams at 845-8201 or s.williams@tamu.edu.
Curricular Services – 08/14
MARS 460 - Fall 2016
Capstone Undergraduate Research Experience I
Lecture: TBA (time and place)
Professor: Dr. Tim Dellapenna, dellapet@tamug.edu
Office: OCSB 341
Telephone: 409-740-4952
Office Hours: by appointment

This course is part of the MARS Capstone Undergraduate Research Experience (MARS-CURE). The MARS-CURE includes MARS 460, 461 and two semesters of MARS 491. This class focuses on

Learning Outcomes:
- Describe the process for setting up and organizing a research project
- Design and execute research experiments
- Develop experimental methods
- Interpret and relate experimental results

Course Description and Prerequisite – Methodology for research outlines, organization and strategies; research ethics, writing and presentation of results. Concurrent enrollment in MARS 491, senior standing or permission of the instructor (note, additional prerequisites may be required by faculty mentors, as related to the nature of their 491 projects)

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<td>Research proposal development</td>
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<td>Laboratory and Field Safety</td>
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<td>Library and other digital resources</td>
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<td>Research proposal Presentation</td>
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<td>14</td>
<td>Guest Faculty Lecture</td>
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<tr>
<td>15</td>
<td>Final project update for semester and project plans for following semester</td>
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Supplemental readings will be posted on the class website

Because this is a field class, the schedule is very fluid and will be changed according to a variety of factors, including weather, availability of vessels and equipment, and class progress.

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Research Projects:
Each member of the class will work on an individual research project. Some of you will be working on related projects and if this is the case, all project data will be made available to each participant via Blackboard or other electronic resources. Each student will be responsible for writing their own proposal and each individual member will be responsible for writing their own final paper (based off of community data sets as well as their own data, depending on the project). In addition, each student will be responsible for writing an abstract and presenting a poster at the TAMUG Research Symposium in late April.

Each project will be a major undertaking but will be designed to be something that can be accomplished in two semesters. Please note, unlike other classes, many of these projects are a component of an on-going research project in your mentor’s research lab and may become part of a peer reviewed publication. As such, we are depending on you to provide professional work and will not tolerate anything less in both your final product and your effort. Depending on your contribution and how your effort fits into the larger project, you may be included as a co-author of the papers and abstracts.

Class design- the majority of this class will focus on your projects and the lab will be open for you to work during non-class hours. Your projects will take up more than the designated class time slots and you will need to allot additional time for your lab work on your own. Note, for each 491 credit hour, you will be expected to work a minimum of 3 hours per week on your project; that means at least 6 hours per week on your own. You will be responsible for scheduling the work on your project and negotiating this schedule with your research mentor and their respective lab members. NOTE- WE ARE ALL BUSY PEOPLE AND WILL NOT TOLERATE NO-SHOWS OR OTHER UNPROFESSIONAL BEHAVIOR.

Grading
Proposal presentation 30%
Proposal updates 40%
Participation 30%

Grade Distribution: A=90-100%, B=80-89.9%, C=70-79.9%, D=60-69.9%, F=<60%

EXPECTATIONS OF THE PROFESSOR
This course is not an introductory marine science class, it is an advanced, 400 level Marine Sciences class. As such, I have the expectation that upon entering my class the student have a basic understanding of marine science. The instructor will not be providing a review of this material. This class is a professional research class. The professor expects students to be on-time with assignments and for assignments to be presented in an organized and professional format and manner and that when you make preseastations you are dressed professionally.
THE AMERICANS WITH DISABILITIES ACT
The Americans with Disabilities Act (ADA) is a federal anti-discrimination statute that provides comprehensive civil rights protection for persons with disabilities. Among other things, this legislation requires that all students with disabilities be guaranteed a learning environment that provides for reasonable accommodation of their disabilities. If you believe you have a disability requiring an accommodation, please contact the Counseling Office, Seibel Student Center, or call (409)740-4587. For additional information visit http://www.tamug.edu/counsel/Disabilities.html.

ACADEMIC DISHONESTY
For many years Aggies have followed a Code of Honor, which is stated in this very simple verse: "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. The Aggie Honor and the Scholastic Dishonesty sections in the TAMUG University Rules handbook will be the standard upon which scholastic integrity is maintained in this course. For additional information: http://www.tamug.edu/honorsystem/. In this class there will be zero tolerance for cheating or dishonesty.

STATEMENT ON ABSENCES
Information concerning absences is contained in the University Student Rules Section 7, http://www.tamug.edu/stulife/Academic%20Rules/Rule%207.pdf. 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). An excused absence does not obviate the need to learn the material missed.
Memo to students on the mechanics and structure of the MARS 460-461 and linked 491 MARS Capstone Undergraduate Research Experience.

The Marine Science-Capstone Undergraduate Research Experience (MARS-CURE) is required of all Marine Science (MARS) majors. The MARS-CURE consists of a two semester, research-based sequence of classes, consisting of MARS 460, 461 and enrollment during both Fall and Spring of MARS 491 (2-credits each). In the Fall the students will register for MARS 460. In addition, the student will select a faculty mentor and register with their respective mentor or two credits each for Fall and Spring in MARS 491. Currently, the Marine Science Research Faculty are: Drs. Amon, Anis, DellaPenna, Kaiser, Santschi, van Hengstum, Park, Wang. In addition, if there is a different mentor that wishes to work with the student, for example from the MARB Department, than, with permission of the MARS 460 instructor, they may select this mentor for the entire sequence.

During the Fall semester, the focus will be on developing a research project, research proposal, and beginning the research. The Spring Semester will focus on completing the research projects and presenting their research at the TAMUG Research Symposium as a poster, as well as giving an oral presentation at the Annual MARS Dept. Retreat, as well as writing a final paper.
Texas A&M University
Departmental Request for a Change in Course
Undergraduate + Graduate + Professional
Submit original form and attachments

Form Instructions
1. Course request type:  
   - [ ] Undergraduate  
   - [ ] Graduate  
   - [ ] First Professional (DOH, AGS, AD, Peace Corps, PA)
2. Request submitted by (Department or Program Name):  
   Marine Transportation
3. Course prefix, number and complete title of course:  
   MART 202 Naval Architecture II

   Attach brief supporting statement for changes made in items 1 through 4 and 10 below.

4. Change requested
   a. Prerequisite(s): From:  
      To:
   b. Withdrawal (reason):
   c. Cross-list with:

   Consolidated courses require the signature of both department heads.

   d. Change in course title and description: Enter complete current course title and current course description in item 9; enter proposed course title and proposed course description in item 10. Complete item 11a and b for a change in title.

   a. Change in course number, contact hours (lab & lecture), and semester credit hours. Complete item 11a and b. Attach a course syllabus.

5. Is this an existing core curriculum course?  
   - [ ] Yes  
   - [ ] No
6. If grade type is changing for existing course, indicate the new grade type:  
   - [ ] Grade  
   - [ ] SYU  
   - [ ] SYF (CLCD)
7. If this course will be stacked, please indicate the course number of the stacked course:

   I verify that I have reviewed the FAQ for Repeat Control at: https://www.tamu.edu/grad/FAQs/for-distance-education.

8. Control/Repeat Control at: https://www.tamu.edu/grad/FAQs/for-distance-education.

9. Complete current course title and current catalog course description:

10. Complete proposed course title and proposed catalog course description (not to exceed 50 words):

11. a. As currently in course inventory:

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Approval recommended by:

Department Head or Program Chair (Type Name & Signature)  
Date  
Chair, College Curriculum Committee  
Date  
Chair, College Curriculum Committee  
Date  
Chair, College Curriculum Committee  
Date

Submitted to Coordinating Board by:

Associate Director, Curricular Services  
Date  
Effective Date

Questions regarding this form should be directed to Sandra Williams at 845-8201 or sandra.williams@tamu.edu.
Curricular Services -- 08/14
To: UCC

From: Capt. Augusta Roth, Department Head of Marine Transportation, Texas A&M Maritime Academy at Galveston

Date: October 26, 2015

RE: MART 202 Naval Architecture II 3-0 to 2-2

MART 202 Naval Architecture II is requesting a change from 3-0 to 2-2. The course is a math-based course instructing future deck officers aboard waterborne vessels to determine vessel’s stability. This course requires more time to fully explain the process to work stability math problems. Changing the 3rd hour of lecture to a 2 hour lab will provide students with ample time to ask questions during explanation of problems, plus allow time for students to be tested on the more complex long forms required to be proficient in determining ship stability.
MART 202
Course Syllabus
Naval Architecture II

SPRING 2016

Instructor: Capt. James P. Cleary
E-mail: clearyj@tamug.edu
Office: KIRK Bldg.’3001’ Room 109
Phone: 409-741-4031

Office Hours:
Lecture: Time: (2 one hour lectures) Room:
Lab: Time: (1 two hour lab) Room:

Course Description: Ship’s line drawing and form calculations; principles of flotation and buoyancy; inclining experiments; free surface; transverse stability; trim and longitudinal stability; motion of ship in waves, seaway and dynamic loads; ship structure tests. Labs focus on manual and computer-based stability and trim calculations using stability calculation formulas and standard industry-based software.

Prerequisite: MART 200 or NAUT 200, MART 201.

Student Learning Outcomes: Upon completion of this course the student will demonstrate a working knowledge of stability, trim and stress tables, diagrams and stress calculating equipment. Students will find and calculate centers of gravity, metacenter, centers of buoyancy, and metacentric heights (GM) of vessels. Students will: evaluate how to safely load and unload a normal vessel as well as a vessel in a damaged condition, demonstrate the fundamental actions to be taken in the event of a partial loss of intact buoyancy and describe the importance of maintenance/restoration of watertight integrity.

In addition: all students will be assessed on their knowledge, understanding, and proficiency of the following specific STCW (Standards of Training, Certification, and Watchkeeping) tasks as per USCG NVIC 12-14:


10.1.A: Monitor the loading, stowage, securing and unloading of cargoes and their care during the voyage. Knowledge of the effect of cargo including heavy lifts on the seaworthiness and stability of the ship.

10.2.A: Monitor the loading, stowage, securing and unloading of cargoes and their care during the voyage. Knowledge of safe handling, stowage and securing of cargoes including dangerous, hazardous and harmful cargoes and their effect on the safety of life and of the ship.

(As per National Examination Topics 46 CFR 11.910 Table 2)

Text, References, & Materials – Required

- Stability and Trim for the Ship’s Officer, George (4th Edition)
- Stability Data Reference Book (Merchant Marine Deck Examination Reference Material)
- Non-programmable Calculator with Trig Functions

Reference:
Grades

<table>
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<tr>
<td>Exams (1 and 2 @ 20% each)</td>
<td>40 %</td>
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<tr>
<td>Exam 3</td>
<td>30 %</td>
</tr>
<tr>
<td>STCW Assessments (3 @ 10% each)</td>
<td>30 %</td>
</tr>
</tbody>
</table>

A = 90 – 100%, B = 80 – 89%, C = 70 – 79%, D = 60 – 69%, F = below 60%.

Students must earn a grade of C (70%) or better as per USCG/STCW License Course!

All STCW Assessments must be passed with a grade of 70% or better. If you score below 70%, you will be permitted to re-take the assessment once, but the first grade will be used as part of your class grade.

Failure to obtain 70% for the course, or assessments, will require you to re-take the class!

Electronic devices of any kind (laptops, PDAs, tape recorders, etc.) are not allowed in the classroom. All cell/smart phones are to be turned off/vibrate before entry to the classroom.

Statement on Absences: Information concerning absences is contained in the University Student Rules Section 7. 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).

ATTENDANCE (100%) IS MANDATORY FOR MART 202 due to STCW requirements.

In other words; you are expected to attend each and every class with no missed classes! Any unexcused absences may result in an “F” which will cause you to re-take the class.

In accordance to STCW, all work missed due to excused absences must be made up within one week of absence!! This includes contact hours.

If you are absent from class for any reason:

1. Send me an e-mail with a short explanation of why you are not in class. (clearyj@tamug.edu)

2. Fill out the “Explanatory Statement for Absence from Class” form completely and hand it to me the very next class after absence (or sooner). The form can be found in class materials on the e-learning site.

All students are expected to wear the proper and complete uniform for each class!

MART 202 Course Outline (Subject to Change) SPRING 2016

WK 1: Read Ch. 1 & 2 - What is stability? Introduction

WK 2: Read Ch. 2 & 3 - Hull Forms & Calculation of KG (STCW Topic)

WK 3: Read Ch. 4 - Static Equilibrium and Stability. Finding KM (STCW Topic)

WK 4: Read Ch. 5- Static Equilibrium and Stability. Finding GM (STCW Topic)

WK 5: Read Ch. 6- The Inclining Experiment & Calculating GZ for Small Angles (STCW Topic) Exam #1 (Ch. 1 – 5)

WK 6: Read Ch. 7 - Stability at Large Angles of Inclination & Corrections to Stability Curves
WK 7: Read Ch. 9 - Trim and Longitudinal Stability (STCW Topic)
WK 8: Read Ch. 9 - Trim and Longitudinal Stability (STCW Topic)
Read Ch. 8 - Flooding and Subdivision. Free Surface Effect (STCW Topic)
WK 9: Read Ch. 10 - Longitudinal Hull Strength (STCW Topic)
WK 10: Read Ch. 12 - Ship Strength and Damage Stability (STCW Topic)
Exam #2 (Ch. 6, 7, 8, & 9)
WK 11: Read Ch. 13 - Practical Stability & Trim Considerations
STCW Assessment 1 Friday
WK 12: Read Ch. 13 - Practical Stability & Trim Considerations
STCW Assessment 2 Friday
WK 13: Read Ch. 14 - Stability Requirements for Vessels Loading Bulk Grain
WK 14: Read Ch. 14 - Stability Requirements for Vessels Loading Bulk Grain
STCW Assessment 3 Friday
WK 15: Exam #3 (Ch. 10, 12, 13, & 14)

Scholastic Dishonesty: For many years Aggies have followed a Code of Honor: "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. The Aggie Code of Honor and the Scholastic Dishonesty sections in the TAMUG University Rules handbook will be the standard upon which scholastic integrity is maintained in this course. Academic dishonesty infractions will result in failure of this course as a minimum sanction.

Aggie Honor System: Aggie Honor Code: "An Aggie does not lie, cheat, or steal or tolerate those who do." Upon accepting admission to Texas A&M University at Galveston, 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 TAMUG community from the requirements or the processes of the TAMUG Honor System. For additional information: http://www.tamug.edu/honorsystem/.

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

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. You are encouraged 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 and the howdy portal,
Texas A&M University
Departmental Request for a Change in Course
Undergraduate • Graduate • Professional
Submit original form and attachments

Form Instructions

1. Course request type:
   - [ ] Undergraduate
   - [ ] Graduate
   - [ ] First Professional (MD, DO, PA, N.P., D.V.M.)

2. Request submitted by (Department or Program Name):
   Marine Transportation

3. Course prefix, number and complete title of course:
   MART 350 Commercial Cruise Internship

4. Change requested:
   - a. Prerequisite(s):
   - b. Withdrawal (reason):
   - c. Cross-list with:
   - d. Change in course title and description.

5. Is this an existing core curriculum course?
   - [ ] Yes
   - [x] No

6. If grade type is changing for existing course, indicate the new grade type:
   - [ ] Grade
   - [ ] SU
   - [ ] P/F (CLD)

7. If these courses will be stacked, please indicate the course number of the stacked courses:
   - [ ]

8. I certify that I have reviewed the FAQ for Export Control Basics for Distance Education (http://vpr.iss.psu.edu/resources/export-...
   - [ ]

9. Complete current course title and current catalog course description:

10. Complete proposed course title and proposed catalog course description (not to exceed 50 words):

11. a. As currently in course inventory:
    - Prefix
    - Course
    - Title (excluding punctuation)
    - Lect.
    - Lab
    - Other
    - SCH
    - CIP and Fund Code
    - Admin. Unit
    - FICE Code
    - Level

   b. Change to:
    - Prefix
    - Course
    - Title (excluding punctuation)
    - Lect.
    - Lab
    - Other
    - SCH
    - CIP and Fund Code
    - Admin. Unit
    - FICE Code
    - Level

Approval recommended by:
Augustine D. Roth

Department Head or Program Chair
Date

Dean of College
Date

Submitted to Coordinating Board by:
Chair, GC or UCC
Date

Associate Director, Curricular Services

Questions regarding this form should be directed to Sandra Williams at 845-8201 or sandra.williams@tsamu.edu.
Curricular Services – 08/14
To: UCC

From: Capt. Augusta Roth, Department Head of Marine Transportation, Texas A&M Maritime Academy at Galveston

Date: October 26, 2015

RE: MART 350 Grade Change to S/U

MART 350 is the Commercial Cruise Internship. This course has a written project that requires multiple tasks to be completed and written review for course completion. The project is not an exact reflection of what the student may have learned over the course. It is more reasonable to grade the course as a Satisfactory or Unsatisfactory to ensure consistency of the full evaluation.
Texas A&M University
Departmental Request for a Change in Course
Undergraduate • Graduate • Professional
• Submit original form and attachments •

Form Instructions
1. Course request type: ☑ Undergraduate ☐ Graduate ☐ First Professional (DDS, MD, JD, PhD, DVM)
2. Request submitted by (Department or Program Name): Department of Liberal Studies/Maritime Studies Program
3. Course prefix, number and complete title of course: MAST 352 MARITIME CRAFTSMANSHIP

4. Change requested
   a. Prerequisite(s): From: ____________________________ To: ____________________________
   b. Withdrawal (reason):
   c. Cross-list with:
   d. Change in course title and description. Enter complete current course title and current course description in item 9; enter proposed course title and proposed course description in item 10. Complete item 11a and b for a change in title.
   e. Change in course number, contact hours (lab & lecture), and semester credit hours. Complete item 11a and b. Attach a course syllabus.
   f. Cross-listed courses require the signature of both department heads.

5. Is this an existing core curriculum course? ☐ Yes ☑ No
6. If grade type is changing for existing course, indicate the new grade type: ☐ Grade ☐ S/U ☑ P/F (CLMD)
7. If this course will be stacked, please indicate the course number of the stacked course:
   ☑ I verify that I have reviewed the FAQ for Export Control Basics for Distance Education (http://vpr.tamu.edu/resources/export-controls/export-control-basics-for-distance-education).

9. Complete current course title and current catalog course description: Maritime Craftsmanship
   An exploration of various crafts, skills and aesthetic/design used in and supporting the maritime world; hands-on activities and practical experience of various skills and processes, using traditional tools required to put a ship to sea; from carpentry to rope-making, sewing canvas sails to making blocks.
   Complete proposed course title and proposed catalog course description (not to exceed 50 words): Crafts of the Maritime World
   An exploration of various crafts, skills and aesthetic/design used in and supporting the maritime world; hands-on activities and practical experience of various skills and processes, using traditional tools required to put a ship to sea; from carpentry to rope-making, sewing canvas sails to making blocks.

11. a. As currently in course inventory:

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b. Change to:

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<td>352</td>
<td>CRAFTS OF MARITIME WORLD</td>
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Approval recommended by:
JoAnn DiGirogio-Lutz
Department Head or Program Chair (Type Name & Sign) Date 10/22/15
Chair, College Review Committee Date
Dean of College Date 10/22/15

Submitted to Coordinating Board by:
Chair, GC or UCC Date

Associate Director, Curricular Services

Questions regarding this form should be directed to Sandra Williams at 845-8201 or sandra.williams@tamu.edu.
Curricular Services – 08/14
Supporting Statement

CHANGES TO MAST 352

We are submitting the change of MAST 352 from the present name of “Maritime Craftsmanship” to the new name of “Crafts of the Maritime World”. The reason for this change is that the new name will better reflect the redesigned curriculum for the course. In order to facilitate the addition of the course to the Core Curriculum as a Creative Arts course, the content has been broadened to include the design and production of arts and crafts associated with maritime culture. Further, the term *craftsmanship* puts the emphasis on the worker, rather than on the *craft* itself.