Course Change Request

Date Submitted: 02/13/18 1:46 pm

Viewing: MARA 604: Marine Natural Resource Economics

Last edit: 02/13/18 6:49 pm

Changes proposed by: tlaverne

Catalog Pages referencing this course:
MARA - Maritime Administration
BS/MMR-OCRF/MARM-GMR: Ocean and Coastal Resources - 5-year Bachelor of Science/Master of Marine Resources Management
BS/MML-MARA/MAAL-GAD: Maritime Administration - 5-year Bachelor of Science/Master of Maritime Administration and Logistics

Programs referencing this course:

Faculty Senate Number

Contact(s)

<table>
<thead>
<tr>
<th>Name</th>
<th>E-mail</th>
<th>Phone</th>
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</thead>
<tbody>
<tr>
<td>Joan Mileski</td>
<td><a href="mailto:mileskij@tamug.edu">mileskij@tamug.edu</a></td>
<td>4097404978</td>
</tr>
</tbody>
</table>

Rationale for Course

Edit:
Other

Explain other rationale
to support online program

Course prefix: MARA  
Course number: 604

Department: Maritime Administration
College/School: Galveston Campus
Academic Level: Graduate
Academic Level (alternate): Undergraduate

Effective term: 2018-2019 Galveston

Complete Course Title:
Marine Natural Resource Economics

Abbreviated Course Title:
MARINE NAT RES ECONOMICS

Catalog course description:
Critical evaluation of policies and procedures in the development and use of natural resources relevant to marine and maritime markets; identification of problems in resource exploration, development, and transportation; the political /economic decision-making processes; analytical tools used to make economic decisions in resource markets.

Prerequisites and Restrictions:
Graduate status or special approval.

Concurrent Enrollment:
No

Should catalog prerequisites/concurrent enrollment be enforced?
No

Crosslistings:
No

Crosslisted With:

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

Approval Path
1. 02/13/18 3:07 pm
   Joan Mileski (mileskij): Approved for MARA Department Head
2. 02/13/18 6:50 pm
   Sandra Williams (sandra-williams): Approved for Curricular Services Review
3. 02/14/18 8:59 am
   Nicole Kinslow (wilkinsn): Approved for GV Committee Preparer GR
4. 02/14/18 9:00 am
   Nicole Kinslow (wilkinsn): Approved for GV Committee Chair GR
5. 02/14/18 10:39 am
   Antonietta Quigg (quiggga): Approved for GV College Dean GR
6. 02/16/18 12:54 pm
   Meagan Kelly (meagankelly): Approved for GC Preparer
7. 03/01/18 3:17 pm
   Laithesa Johnson (ljohnson): Approved for GC Chair

https://nextcatalog.tamu.edu/courseleaf/approve/
Semester  |  3  
Credit Hour(s)  |  Contact Hour(s)  
(per week):  |  3  
Repeatable for credit?  |  No  
Three-peat?  |  No  
CIP/Fund Code  |  0302040005  
Default Grade Mode  |  Letter Grade(G)  
Alternate Grade Modes  |  Satisfactory/Unsatisfactory  
Method of instruction  |  Lecture  
Will sections of this course be taught as non-traditional? (i.e., parts of term, distance education)  |  Yes  

Learning Outcomes

Meets traditional face-to-face learning outcomes.
Describe how learning outcomes are met or provide justification why they are not met.
The syllabi are identical in content

Hours

Meets traditional face-to-face hours.
Describe how hours are met or provide justification why they are not met.
The course online has 135 hours of work required for a 3 hour course

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

I verify that I have reviewed the FAQ for Export Control Basics for Distance Education. Yes No

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

Will classroom space be needed for this course? No

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

<table>
<thead>
<tr>
<th>Required (select program)</th>
<th>Program(s)</th>
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</thead>
<tbody>
<tr>
<td>(MML-MAAL) Master of Maritime Administration and Logistics in Maritime Administration and Logistics</td>
<td></td>
</tr>
</tbody>
</table>

Course Syllabus

Syllabus: Upload syllabus

Upload syllabus
Letters of support or other documentation: No

Additional information:

Reviewer Comments:
- Joan Mileski [mileski] (02/06/18 10:13 am): Rollback: error
- Sandra Williams [sandra-williams] (02/06/18 11:28 am): Rollback: You will need to attach a traditional syllabus and a non-traditional syllabus (if applicable).
- Joan Mileski [mileski] (02/11/18 4:54 pm): Rollback: Need to say on the syllabus that it is the same for both face to face and online. The one you have just says face to face.

Reported to state: No
Course title and number: Marine Natural Resources Economics. MARA 604 - 601
Term: Spring 2017
Meeting times and location: 5:30 PM – 8:00 PM Monday at CLB 212

Course Description and Prerequisites

This course focuses on the competitive advantage of environmental sensitivity and reviews the analysis of a sustainable society at the business level, the corporate level and the industry level. Analysis of environmental problems and the cost and effectiveness of solutions is emphasized. The course integrates the student’s previous knowledge of law, liability, and enforcement with sustainability theory and decision making. Issues discussed focus on marine and maritime activities such as marine exploration, transportation, use of fish populations and wetlands.

Catalog Description: Critical evaluation of policies and procedures in the development and use of natural resources relevant to marine and maritime markets; identification of problems in resource exploration, development, and transportation; the political /economic decision-making processes; analytical tools used to make economic decisions in resource markets.

Prerequisites: Graduate status or special approval

Learning Outcomes

Upon successful completion of this course, students will:

Upon successful completion of this course the student should be able to:

- Describe the sustainability theory
- Describe and analyze economic perspectives on issues regarding natural resources and the environment
- Describe the relationship among economic, social, ethical, political and environmental criteria for policy choices
- Apply the concepts of efficiency and rents to the environment
- Contrast the difference between conservation and preservation
- Explain the concept of least amount of impact and the problem of the tragedy of the commons
- Discuss value laden assumptions and the Social Contract Theory
- Demonstrate an understanding of the balance between economic growth, environmental protection and social equity
- List the requirements of ISO 14000
- Review the provisions of the following laws:
  - Rivers and Harbors Act of 1899
  - Oil Pollution Act of 1924
  - Water Pollution Control Act of 1948
  - Water Pollution Control Act Amendments of 1961
  - Water Quality Act of 1965
  - Clean Water Restoration Act of 1966
  - Water Quality Improvement Act of 1970
- Federal Water Pollution Act Amendment of 1972
- Clean Water Act of 1977
- Oil Pollution Act of 1990
- Determine strategies on the “Community right to know” bills and local emergency plans
- Show how coastal development impacts erosion and wetlands destruction
- Understand how the Western standard of living affects sustainability implementation
- Show how to green each business function
- Understand how Option Theory applies to environmental resource management
- Define the Environmental Ethic in terms of Western Culture
- Apply the above concepts with assignments and written projects to be presented in class

Instructor Information

Name: Nikolaos Mykoniatis, PhD
Telephone number: 409-741-4012
Email address: mykonian@tamug.edu
Office hours: Monday 12:00PM-1:00PM and by appointment
Office location: CLB 218-A (inside suite 218 to the right of Dr. Knox’s office)

Textbook and/or Resource Material


Course structure:

This class will be interactive with students and instructor engaged in discussion of the topics covered. A typical class will be split in two parts:
- In the first part, the instructor will be lecturing on the main topics of each week, found in the book and in other sources. The instructor’s aim is to provide the basic background related to the topic covered, as well as to inform students about contemporary environmental issues and their relation or interaction with business. Given the graduate nature of this course, students will be exposed to the main ideas and be pointed out to the right direction, but are expected to read the entire chapters from the book and all assigned readings. Active participation is expected.
- In the second part, students selected from the previous lecture, will present assigned readings (papers and reports).

Grading Policies

There is a maximum of 100 points that can be obtained in this course and it consists of the following components:

Class participation – attendance/summaries/readings/presentations: 20% (or 20 points)
5 written case analysis: 30% (or 30 points)
Mid-term evaluation: 25% (or 25 points)
Final exam: 25% (or 25 points)
Total points: 100
Class participation and attendance

This class is heavily based on active participation through class discussion and short presentations. As explained above, in the second part of each lecture students, selected from the previous lecture, will present assigned readings. Presentations should last no longer than 10-15 minutes and should provide a) the main research question or topic covered b) a summary of the main arguments and results on the topic and b) a critical evaluation of the paper or report. Students who are not presenting should submit a written critical summary of a selected assigned paper or report at the beginning of the class. **No late submission of summaries will be accepted, unless there is a medical reason for which documentation is required.** The critical summary should be one page and it should be typed, single spaced and have one inch margins with font of 12 point. All students are expected to be fully prepared on all readings and ready for in-class discussion. The instructor's role in the second part of the lecture is to coordinate the presentations, as well as to clarify methodological issues and answer students' questions. A student that meets the above criteria will get a “check mark” for participation. The final class participation grade will be calculated as a percentage of the total participation grade. For example a student that has 10 “check marks” for participation in 12 lectures she/he will receive \((10/12) \times 20 = 17\) points in class participation. Due to the interactive nature of this course, class attendance is mandatory. Presenting a paper or submitting a written critical summary is essentially counting as student’s attendance. **Absences will affect a student’s final grade.**

5 Written Assignments

Students will be required to complete 5 case analyses and submit them in class as hard copies. All cases will be announced at least one week prior to their due dates, which can be found in the tentative schedule below. A case will be given to students in the form of a statement or question and they are expected to understand the facts in the case, identify problems, explore strategic alternatives, and develop strategic recommendations. An approach to case analysis should be:

1. **Situation/Background** – Understand both external and internal forces about the case. They might include institutional and other environmental forces, internal structures and processes of a firm.
2. **Issues** – Problems that cause a search of alternatives/choices of action. A case often involves multiple issues of different degrees of importance. Learn how to differentiate among issues.
3. **Alternatives** – Evaluate several alternatives, along with possible outcomes.
4. **Choice** – Choose one alternative, which meets or solves the stated problems, and defend it. Alternatively, you can create your own alternative and defend it.

Cases should be no more than 2 pages, typed and double spaced; they should have one inch margins with font of 12 point. The instructor can provide guidance on cases. Cases are a form of examination so students are expected to **work independently and properly cite (APA style) all used sources** (electronic, book, reports, papers etc.). Since there are 5 cases for a total of 30 points, each case can receive a maximum of 6 points. **No late submission of answers will be accepted, unless there is a medical reason for which documentation is required.**

Mid-term Evaluation

For the mid-term exam students will have to select an organization of their choice and be prepared to: a) Evaluate the organization using the sustainability theory and b) evaluate the organization's effectiveness with regards to the environment. The organization should be chosen from the current pages of the Wall Street Journal or based on student's work experience. The examination contains two parts, each taking 50% (12.5 points) of the total mid-term grade: a written part and an in-class presentation. For the written part, students will need to research the organization via the internet etc. A report addressing the two elements above should be submitted on the exam day as hard copy. In general, analysis includes understanding the issues, identifying problems, exploring alternatives, and developing recommendations, all of which should be done using class and other material that should be properly cited. Each report should be no more than 8 and no less than 6 pages, typed and double spaced, with one inch margin and font of 12 point. **Late submissions of reports will not be accepted.** The individual presentations of reports will take place on the day of the exam and each student will be allocated 5-8 minutes. In addition to addressing the above elements (a and b), **students' presentations will be evaluated based on 5 criteria:** clarity of speech, flow/organization of presentation,
comprehension of subject matter, creativity and engaging presentation. A sample of the presentation evaluation form can be found at the end of the syllabus.

Final Exam

The final exam will be an individual report that will describe and critically analyze a specific project of an organization with significant environmental impact using all the various theories. Each student will choose an organization drawn from the current pages of the Wall Street Journal or based on student’s work experience. Students will need to research the organization via the Internet etc. and all information should be properly cited (APA style). A report of no more than 8 and no less than 6 pages, addressing the same two elements above as they apply to the mid-term exam, should be submitted via email by the due date.

Grade determination

The final course grade will be determined as follows and no extra credit will be given:

A  90-100
B  80-89
C  70-79
D  60-69
F  0-59

Course Topics, Calendar of Activities, Major Assignment Dates

The schedule below is subject to modification, based on our progress, as we move through the material but exam dates and reviews are fixed. The instructor will be updating the schedule and announcing changes, if necessary. Students are expected to keep themselves up to date with the schedule by a) showing up for class and b) checking daily their email.

<table>
<thead>
<tr>
<th>Date</th>
<th>Topic / Material</th>
<th>Assignments and Readings</th>
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<tbody>
<tr>
<td>Jan 23</td>
<td>Introduction and Syllabus Review</td>
<td>Book Chapter 1</td>
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<tr>
<td></td>
<td>Natural Science and Economics</td>
<td>Hall et al., 2001</td>
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<td>Jan 30</td>
<td>Developing Environmental Concepts and Environmental Economics</td>
<td>Book Chapter 2</td>
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<td></td>
<td>Introduction to Environmental and Ecological Economics</td>
<td>Gladwin et al., 1995</td>
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<td>Bansal, 2005</td>
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<td>Ma and Stern, 2006</td>
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<td>Feb 6</td>
<td>Competitive Market Model</td>
<td>Book Chapter 3</td>
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<td></td>
<td>Competitiveness</td>
<td>Barger, 2007</td>
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<td>Supply Chain</td>
<td>Madsen, 2009</td>
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<td></td>
<td>The Competitive Advantage of Environmental Sensitivity</td>
<td>Ambec and Lanoie, 2008</td>
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<td>How Markets are Supposed to work</td>
<td>Biller and Swann, 2006</td>
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<td>Citizenship and Sustainability</td>
<td>Bansal and Roth, 2000</td>
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<td>Saving the World’s Profitable</td>
<td>Jaffe et al., 1995</td>
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<td>Hart, 1995</td>
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<td><strong>Case 1 due</strong></td>
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<td>Feb 13</td>
<td>Market Failure</td>
<td>Book Chapter 4</td>
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<td>Cooperation</td>
<td>King, 2007</td>
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<td>The Big Melt</td>
<td>Delmas et al., 2007</td>
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<td>Reinhardt, 1999</td>
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<td>Feb 20</td>
<td>Sustainability Theory</td>
<td>Book Chapter 11</td>
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<td>U.S. Policy on Sustainability</td>
<td>President’s Council on Sustainable Development</td>
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<td>Starik and Rands, 1995</td>
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<tr>
<td>Date</td>
<td>Topic</td>
<td>Case Due</td>
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<tr>
<td>Feb 27</td>
<td>Global Issues/ Globalization Effects</td>
<td>Case 2 due</td>
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<td>Population growth, Resource Use and the Environment</td>
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<td>International Environmental Institutions</td>
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<td>Global Regulation</td>
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<td>Rainforest Clash</td>
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<td>World falls trees at “alarming” rate</td>
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<td>Combating Climate Change</td>
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<td>Mar 6</td>
<td>Economic Growth and the Environment</td>
<td>Case 3 due</td>
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<td>Company Incentives</td>
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<td>Environmental Effects of Shipping</td>
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<td>Choosing economical green transportation</td>
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<td>European Directive Criminalizes Maritime Pollution</td>
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<td>Dr. Louchouarn’s Research</td>
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<td>Mar 13</td>
<td>Cost Benefit Analysis</td>
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<td>Coastal Development</td>
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<td>Coastal Eco Systems</td>
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<tr>
<td>Mar 20</td>
<td>Spring Break- no classes</td>
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<td>Mar 27</td>
<td>Mid -Term Evaluation (paper/report submissions due and presentations)</td>
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<td>Apr 3</td>
<td>Cost Effectiveness Analysis, Impact Analysis, Stakeholder Analysis</td>
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<td>Environmental Impact of Fishing</td>
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<td>Overfishing and Piracy</td>
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<td>Galveston County Comprehensive Shoreline Erosion Response Plan</td>
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<td>Apr 10</td>
<td>Environmental Valuation</td>
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<td>Management Theory and the Environment</td>
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<td>Self-regulation</td>
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<td>Benchmarking</td>
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<td>Conference Report</td>
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<td>Apr 17</td>
<td>Multi-Criteria Analysis</td>
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<td>Corporate Social Responsibility and Accountability</td>
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<td>Stakeholder responsibility</td>
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<td>Corporate Governance</td>
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<td>Health and Safety</td>
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<td>Apr 24</td>
<td>Green Accounting and Measurement of Genuine Saving</td>
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<td>The Greening of Management Functions</td>
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<td>ISO 14000</td>
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<td>May 1</td>
<td>Assessment of Global Environmental Trends and Policy Implications</td>
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<td>Management Practice and the Environment</td>
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<tr>
<td>May 5</td>
<td>Final Examination Paper due noon at instructor's office</td>
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</table>
Other Pertinent Course Information

- No food, drinks, or tobacco products are allowed in the classroom.

A student warned more than once about classroom manners will automatically receive the grade of zero in the entire class participation grade.

- No electronic devices are allowed including cell phones, laptops, tablets etc. in the classroom.

- Only registered students are allowed in the class

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/services/dssprocedures.htm.

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.”

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 see www.tamug.edu/HonorSystem.

Statement on Absences and Make-up Policy
Information concerning absences is contained in the University Student Rules Section 7 at www.tamug.edu/stulife/Academic%20Rules/Rule%2007.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. Make-up work will only be made possible in the instance of an excused absence.

Drops
The policy for drops is that of the University. Friday, September 5th, is the last day to drop without a record. Friday, November 21st, is the last day for Q drop. An incomplete will not be given under any circumstance.

Maritime Administration Majors
Maritime Administration (MARA) majors must, as a graduation requirement, have a grade of “C” or better in the following courses: ECON 202, ECON 203, ACCT 229, ACCT 230 and SCMT 303, or their equivalent in the case of courses that are transferred from other academic institutions. A MARA major who receives a grade of less than “C” will repeat the course until such time as they receive a grade of “C” or better. Texas A&M University does not have a grade replacement policy; grades for all courses remain on the transcript and are a part of the calculation of overall and in-major grade point ratios (GPR). Additionally, as a graduation requirement, MARA majors are required to have a GPR in-major of 2.25 or higher. The courses that are used in calculating this value are found in that section of the catalogue that describes the Maritime Administration curriculum.

**Family Educational and Rights to 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.

**Contacting You**

The department will use your TAMUG and/or TAMU mail address as the primary means of contacting you. Please check your email account several times a week.

**Papers to be discussed**


Mileski, Joan and Jared Honecutt, “Flexibility in Maritime Assets and Pooling Strategies: A Viable Response to Disaster,” accepted and in press *Marine Policy*


PRESENTATION EVALUATION CRITERIA

Clarity of Speech
Speech should be understood clearly with minimal use of interjections or awkward pauses. Presenters should speak in a loud and clear voice.

Flow/Organization of Presentation
Presentation must be presented in an organized manner with a smooth flow, with a logical sequence. Presenters must be well prepared for their presentation.

Comprehension of Subject Matter
Presenters must exhibit full knowledge regarding their presentation. They must be able to clearly explain and answer any questions about their presentation.

Creativity
Presenters are encouraged to make use visual aids and other techniques for their presentation.

Engaging Presentation
Presentation must be interesting and engaging, while making sure the audience understands the content of the presentation.

<table>
<thead>
<tr>
<th>CLARITY OF SPEECH</th>
<th>Score</th>
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<tbody>
<tr>
<td>1 Poor</td>
<td>2 3</td>
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<tr>
<td>Excellent</td>
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<table>
<thead>
<tr>
<th>FLOW/ORGANIZATION OF PRESENTATION</th>
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<tr>
<td>1 Poor</td>
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<tr>
<th>COMPREHENSION OF SUBJECT MATTER</th>
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<td>1 Poor</td>
<td>2 3</td>
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<tr>
<td>Excellent</td>
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Total Score
Course title and number  Marine Natural Resources Economics. MARA 604 - 601
Term  Spring 2017
Meeting times and location  5:30 PM – 8:00 PM Monday at CLB 212

Course Description and Prerequisites

This course focuses on the competitive advantage of environmental sensitivity and reviews the analysis of a sustainable society at the business level, the corporate level and the industry level. Analysis of environmental problems and the cost and effectiveness of solutions is emphasized. The course integrates the student's previous knowledge of law, liability, and enforcement with sustainability theory and decision making. Issues discussed focus on marine and maritime activities such as marine exploration, transportation, use of fish populations and wetlands.

Catalog Description: Critical evaluation of policies and procedures in the development and use of natural resources relevant to marine and maritime markets; identification of problems in resource exploration, development, and transportation; the political and economic decision-making processes; analytical tools used to make economic decisions in resource markets.

Prerequisites: Graduate status or special approval

Learning Outcomes

Upon successful completion of this course, students will:

Upon successful completion of this course the student should be able to:

- Describe the sustainability theory
- Describe and analyze economic perspectives on issues regarding natural resources and the environment
- Describe the relationship among economic, social, ethical, political and environmental criteria for policy choices
- Apply the concepts of efficiency and rents to the environment
- Contrast the difference between conservation and preservation
- Explain the concept of least amount of impact and the problem of the tragedy of the commons
- Discuss value laden assumptions and the Social Contract Theory
- Demonstrate an understanding of the balance between economic growth, environmental protection and social equity
- List the requirements of ISO 14000
- Review the provisions of the following laws:
  - Rivers and Harbors Act of 1899
  - Oil Pollution Act of 1924
  - Water Pollution Control Act of 1948
  - Water Pollution Control Act Amendments of 1961
  - Water Quality Act of 1965
  - Clean Water Restoration Act of 1966
  - Water Quality Improvement Act of 1970
- Federal Water Pollution Act Amendment of 1972
- Clean Water Act of 1977
- Oil Pollution Act of 1990
- Determine strategies on the “Community right to know” bills and local emergency plans
- Show how coastal development impacts erosion and wetlands destruction
- Understand how the Western standard of living affects sustainability implementation
- Show how to green each business function
- Understand how Option Theory applies to environmental resource management
- Define the Environmental Ethic in terms of Western Culture
- Apply the above concepts with assignments and written projects to be presented in class

**Instructor Information**

Name: Nikolaos Mykoniatis, PhD  
Telephone number: 409-741-4012  
Email address: mykonian@tamug.edu  
Office hours: Monday 12:00PM-1:00PM and by appointment  
Office location: CLB 218-A (inside suite 218 to the right of Dr. Knox's office)

**Textbook and/or Resource Material**


**Course structure:**

This class will be interactive with students and instructor engaged in discussion of the topics covered. A typical class will be split in two parts:

- In the first part, the instructor will be lecturing on the main topics of each week, found in the book and in other sources. The instructor's aim is to provide the basic background related to the topic covered, as well as to inform students about contemporary environmental issues and their relation or interaction with business. Given the graduate nature of this course, students will be exposed to the main ideas and be pointed out to the right direction, but are expected to read the entire chapters from the book and all assigned readings. Active participation is expected.

- In the second part, students selected from the previous lecture, will present assigned readings (papers and reports).

**Grading Policies**

There is a maximum of 100 points that can be obtained in this course and it consists of the following components:

Class participation – attendance/summaries/readings/presentations: 20% (or 20 points)  
5 written case analysis: 30% (or 30 points)  
Mid-term evaluation: 25% (or 25 points)  
Final exam: 25% (or 25 points)  
Total points: 100

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Class participation and attendance

This class is heavily based on active participation through class discussion and short presentations. As explained above, in the second part of each lecture students, selected from the previous lecture, will present assigned readings. Presentations should last no longer than 10-15 minutes and should provide:

a) the main research question or topic covered
b) a summary of the main arguments and results on the topic
and a critical evaluation of the paper or report. Students who are not presenting should submit a written critical summary of a selected assigned paper or report at the beginning of the class. **No late submission of summaries will be accepted, unless there is a medical reason for which documentation is required.** The critical summary should be one page and it should be typed, single spaced and have one inch margins with font of 12 point. All students are expected to be fully prepared on all readings and ready for in-class discussion. The instructor's role in the second part of the lecture is to coordinate the presentations, as well as to clarify methodological issues and answer students' questions. A student that meets the above criteria will get a "check mark" for participation. The final class participation grade will be calculated as a percentage of the total participation grade. For example a student that has 10 "check marks" for participation in 12 lectures she/he will receive (10/12) x 20 = 17 points in class participation. Due to the interactive nature of this course, class attendance is mandatory. Presenting a paper or submitting a written critical summary is essentially counting as student's attendance. **Absences will affect a student's final grade.**

5 Written Assignments

Students will be required to complete 5 case analyses and submit them in class as hard copies. All cases will be announced at least one week prior to their due dates, which can be found in the tentative schedule below. A case will be given to students in the form of a statement or question and they are expected to understand the facts in the case, identify problems, explore strategic alternatives, and develop strategic recommendations. An approach to case analysis should be:

1. Situation/Background – Understand both external and internal forces about the case. They might include institutional and other environmental forces, internal structures and processes of a firm.
2. Issues – Problems that cause a search of alternatives/choices of action. A case often involves multiple issues of different degrees of importance. Learn how to differentiate among issues.
3. Alternatives – Evaluate several alternatives, along with possible outcomes.
4. Choice – Choose one alternative, which meets or solves the stated problems, and defend it. Alternatively you can create your own alternative and defend it.

Cases should be no more than 2 pages, typed and doubled spaced; they should have one inch margins with font of 12 point. The instructor can provide guidance on cases. Cases are a form of examination so students are expected to **work independently and properly cite (APA style) all used sources** (electronic, book, reports, papers etc.). Since there are 5 cases for a total of 30 points, each case can receive a maximum of 6 points. **No late submission of answers will be accepted, unless there is a medical reason for which documentation is required.**

Mid-term Evaluation **At least two other posts**

For the mid-term exam students will have to select an organization of their choice and be prepared to:

a) Evaluate the organization using the sustainability theory and b) evaluate the organization's effectiveness with regards to the environment. The organization should be chosen from the current pages of the Wall Street Journal or based on student's work experience. The examination contains two parts, each taking 50% (12.5 points) of the total mid-term grade: a written part and an in-class presentation. For the written part, students will need to research the organization via the internet etc. A report addressing the two elements above should be submitted on the exam day as hard copy. In general, analysis includes understanding the issues, identifying problems, exploring alternatives, and developing recommendations, all of which should be done using class and other material that should be properly cited. Each report should be no more than 8 and no less than 6 pages, typed and doubled spaced, with one inch margin and font of 12 point. **Late submissions of reports will not be accepted.**

The individual presentations of reports will take place on the day of the exam and each student will be allocated 5-8 minutes. In addition to addressing the above elements (a and b), **students' presentations will be evaluated based on 5 criteria**: clarity of speech, flow/organization of presentation,
comprehension of subject matter, creativity and engaging presentation. A sample of the presentation evaluation form can be found at the end of the syllabus.

Online Students will deliver presentation online **after** Skype.

Final Exam Submit video of presentation

The final exam will be an individual report that will describe and critically analyze a specific project of an organization with significant environmental impact using all the various theories. Each student will choose an organization drawn from the current pages of the Wall Street Journal or based on student's work experience. Students will need to research the organization via the Internet etc. and all information should be properly cited (APA style). A report of no more than 8 and no less than 6 pages, addressing the same two elements above as they apply to the mid-term exam, should be submitted via email by the due date.

Grade determination

The final course grade will be determined as follows and **no extra credit will be given**:

- **A**: 90-100
- **B**: 80-89
- **C**: 70-79
- **D**: 60-69
- **F**: 0-59

Course Topics, Calendar of Activities, Major Assignment Dates

The schedule below is subject to modification, based on our progress, as we move through the material but exam dates and reviews are fixed. The instructor will be updating the schedule and announcing changes, if necessary. Students are expected to keep themselves up to date with the schedule by a) showing up for class and b) checking daily their email.

<table>
<thead>
<tr>
<th>Date</th>
<th>Topic / Material</th>
<th>Assignments and Readings</th>
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| Jan 23 | Introduction and Syllabus Review  
Natural Science and Economics                                                       | Book Chapter 1  
Hall et al., 2001                                            |
| Jan 30 | Developing Environmental Concepts and  
Environmental Economics  
Introduction to Environmental and Ecological Economics | Book Chapter 2  
Gladwin et al., 1995  
Bansal, 2005  
Ma and Stern, 2006                                           |
| Feb 6  | Competitive Market Model  
Competitiveness  
Supply Chain  
The Competitive Advantage of Environmental Sensitivity  
How Markets are Supposed to work  
Citizenship and Sustainability  
Saving the World’s Profitable                                | Book Chapter 3  
Barger, 2007  
Madsen, 2009  
Ambec and Lanoie, 2008  
Biller and Swann, 2006  
Bansal and Roth, 2000  
Jaffe et al., 1995  
Hart, 1995  
**Case 1 due**                                                  |
| Feb 13 | Market Failure  
Cooperation  
The Big Melt                                              | Book Chapter 4  
King, 2007  
Delmas et al., 2007  
Reinhardt, 1999                                              |
| Feb 20 | Sustainability Theory  
U.S. Policy on Sustainability                                   | Book Chapter 11  
President’s Council on Sustainable Development  
Starik and Rands, 1995                                        |
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<th>Date</th>
<th>Topic</th>
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<tr>
<td>Feb 27</td>
<td>Global Issues/ Globalization Effects</td>
<td>Book Chapter 9</td>
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<td>Population growth, Resource Use and the Environment</td>
<td>Dhanda and Murphy, 2011</td>
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<td>International Environmental Institutions</td>
<td>Kolk and Pinkse, 2008</td>
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<td>Global Regulation</td>
<td>Byrne and Glover, 2002</td>
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<td>Rainforest Clash</td>
<td>Bernauer, 1995</td>
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<td>World falls trees at &quot;alarming&quot; rate</td>
<td>Jennings and Zandbergen, 1995</td>
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<td>Combating Climate Change</td>
<td>Tenbrunsel et al., 2000</td>
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<td>Mar 6</td>
<td>Economic Growth and the Environment</td>
<td>Book Chapter 10</td>
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<td>Company Incentives</td>
<td>Ramus and Steger, 2000</td>
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<td>Environmental Effects of Shipping</td>
<td>Mileski and Honeycutt, 2013</td>
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<td>Choosing economical green transportation</td>
<td>Case 3 due</td>
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<td>European Directive Criminalizes Maritime Pollution</td>
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<td>Dr. Louchouarn's Research</td>
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<td>Mar 13</td>
<td>Cost Benefit Analysis</td>
<td>Book Chapter 6</td>
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<td></td>
<td>Coastal Development</td>
<td>Burke et al., 2001</td>
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<td>Coastal Eco Systems</td>
<td>Turner et al., 1998</td>
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<td></td>
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<td>Sharma, 2000</td>
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<td>Cicin-Sain, 1993</td>
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<td>Mar 20</td>
<td><strong>Spring Break- no classes</strong></td>
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<td>Mar 27</td>
<td>Mid -Term Evaluation</td>
<td>Book Chapter 7</td>
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<td>(paper/report submissions due and presentations)</td>
<td>Mileski, Mejia and Carchidi, 2012</td>
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<td>Cordano and Frieze, 2000</td>
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<td>Primavera, 1997</td>
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<td>Apr 3</td>
<td>Cost Effectiveness Analysis, Impact Analysis,</td>
<td>Book Chapter 5</td>
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<td></td>
<td>Stakeholder Analysis</td>
<td>Shrivastava, 1995</td>
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<td>Environmental Impact of Fishing</td>
<td>King and Lenox, 2000</td>
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<td>Overfishing and Piracy</td>
<td>Rothenberg et al., 2005</td>
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<td>Galveston County Comprehensive Shoreline Erosion Response Plan</td>
<td>Barnett and Salomon, 2006</td>
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<td>Barnett and King, 2008</td>
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<td>Case 4 due</td>
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<td>Apr 10</td>
<td>Environmental Valuation</td>
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<td>Management Theory and the Environment</td>
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<td>Self-regulation</td>
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<td>Benchmarking</td>
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<td>U.S. Greenhouse Gas Abatement Mapping Initiative Conference Report</td>
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<td>Apr 17</td>
<td>Multi-Criteria Analysis</td>
<td>Book Chapter 8</td>
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<td>Corporate Social Responsibility and Accountability</td>
<td>Ioannou and Serafeim, 2012</td>
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<td></td>
<td>Stakeholder responsibility</td>
<td>Wallis et al., 2012</td>
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<td>Corporate Governance</td>
<td>David et al., 2007</td>
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<td>Health and Safety</td>
<td>Sharma and Henriques, 2005</td>
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<td>Clarkson, 1995</td>
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<td>Apr 24</td>
<td>Green Accounting and Measurement of Genuine Saving</td>
<td>Book Chapter 12</td>
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<td>The Greening of Management Functions</td>
<td>Sharfman and Fernando, 2008</td>
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<td>ISO 14000</td>
<td>Sarkis and Rasheed, 2008</td>
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<td>Watson, 1996</td>
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<td>Case 5 due</td>
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<td>May 1</td>
<td>Assessment of Global Environmental Trends and Policy Implications</td>
<td>Book Chapter 13</td>
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<td>Management Practice and the Environment</td>
<td>Siegel, 2009</td>
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<td>Christmann, 2000</td>
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<td>Norton et al., 1998</td>
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<td>May 5</td>
<td>Final Examination Paper due noon at instructor's office</td>
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Other Pertinent Course Information

- No food, drinks, or tobacco products are allowed in the classroom.

A student warned more than once about classroom manners will automatically receive the grade of zero in the entire class participation grade.

- No electronic devices are allowed including cell phones, laptops, tablets etc. in the classroom.

- Only registered students are allowed in the class

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/services/dssprocedures.htm.

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."

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 see www.tamug.edu/HonorSystem.

Statement on Absences and Make-up Policy
Information concerning absences is contained in the University Student Rules Section 7 at 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. Make-up work will only be made possible in the instance of an excused absence.

Drops
The policy for drops is that of the University. Friday, September 5th, is the last day to drop without a record. Friday, November 21st, is the last day for Q drop. An incomplete will not be given under any circumstance.

Maritime Administration Majors
Maritime Administration (MARA) majors must, as a graduation requirement, have a grade of "C" or better in the following courses: ECON 202, ECON 203, ACCT 229, ACCT 230 and SCMT 303, or their equivalent in the case of courses that are transferred from other academic institutions. A MARA major who receives a grade of less than "C" will repeat the course until such time as they receive a grade of "C" or better. Texas A&M University does not have a grade replacement policy; grades for all courses remain on the transcript and are a part of the calculation of overall and in-major grade point ratios (GPR). Additionally, as a graduation requirement, MARA majors are required to have a GPR in-major of 2.25 or higher. The courses that are used in calculating this value are found in that section of the catalogue that describes the Maritime Administration curriculum.

Family Educational and Rights to 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.

Contacting You
The department will use your TAMUG and/or TAMU mail address as the primary means of contacting you. Please check your email account several times a week.

Papers to be discussed


Mileski, Joan and Jared Honecutt, "Flexibility in Maritime Assets and Pooling Strategies: A Viable Response to Disaster," accepted and in press Marine Policy


PRESENTATION EVALUATION CRITERIA

Clarity of Speech
Speech should be understood clearly with minimal use of interjections or awkward pauses. Presenters should speak in a loud and clear voice.

Flow/Organization of Presentation
Presentation must be presented in an organized manner with a smooth flow, with a logical sequence. Presenters must be well prepared for their presentation.

Comprehension of Subject Matter
Presenters must exhibit full knowledge regarding their presentation. They must be able to clearly explain and answer any questions about their presentation.

Creativity
Presenters are encouraged to make use visual aids and other techniques for their presentation.

Engaging Presentation
Presentation must be interesting and engaging, while making sure the audience understands the content of the presentation.

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<tbody>
<tr>
<td><strong>CLARITY OF SPEECH</strong></td>
<td></td>
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<tr>
<td>1 Poor</td>
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<td>3</td>
<td>4</td>
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| **FLOW/ORGANIZATION OF PRESENTATION** |       |
| 1 Poor                         | 2     |
| 3                              | 4     |
| 5                              |       |

| **COMPREHENSION OF SUBJECT MATTER** |       |
| 1 Poor                         | 2     |
| 3                              | 4     |
| 5                              |       |

| **CREATIVITY** |       |
| 1 Poor         | 2     |
| 3              | 4     |
| 5              |       |

| **ENGAGING PRESENTATION** |       |
| 1 Poor                  | 2     |
| 3                       | 4     |
| 5                       |       |

Total