Instructor: Dr. Tara Rider
Office Location & TBA
Hours: TBA and by Appointment
Email: tara.rider@stonybrook.edu

Course Description:
This course satisfies the DEC category H
This course satisfies the SBC category STAS

This course will examine the historical impact of selected technologies on the maritime world. By investigating topics such as how the problem of longitude was solved to the technology that went into the “unsinkable” Titanic and the science behind the discovery of its grave site as well as the changes in technology that have shaped the fishing industry including Loran, GPS and new technologies such as TED (turtle excluder device), students will study how technological change works and the impacts it has on societies and cultures.

Course Objectives:
This course exposes students to advances in maritime science and technology. Students will learn to think critically about the processes in which maritime technology advances were influenced by contemporary societal needs and concerns both locally and globally, and to the ways in which, in turn, advances in maritime science and technology have shifted public attitudes through time. Topics will enhance student’s understanding of the importance of science and technology in the wider world. By understanding how societies and technology have impacted and shaped each other over time, students will have a broader understanding of regional and global communities.

Furthermore, by the end of the course, the student will:
1. Demonstrate critical understanding of a selection of primary and secondary sources.
2. Demonstrate the ability to apply concepts and tools drawn from arts, humanities and/or social sciences to understand the links between science or technology and societies.
3. Demonstrate the ability to question and rethink his/her preconceived notions regarding science and technology.
4. Demonstrate the ability to think critically by analyzing and evaluate how advances in maritime science and technological ideas have shifted public attitudes through time.
5. Develop and enhance a student’s awareness of historical change within local, regional, and global communities and how issues of technology have influenced that change.
6. Develop and enhance a student’s understanding of the importance of science and technology in the wider world both historically and within contemporary times.
7. Develop and practice his/her writing, thinking, verbal, and comprehension skills in tests and reading and assignments in which the student must articulate valid arguments.
8. Express his/her own interpretations of the social and global implication of science and technology Understand the major principles and concepts that form the basis of knowledge in the humanities.
Required Texts:
2. Additional articles assigned at instructor’s discretion and located on Blackboard.

COURSE REQUIREMENTS:

1. PARTICIPATION – 35% OF FINAL GRADE
a. Attendance -- 10% of your final grade. You will have TWO excused absences to allow for illness or another pressing matter. ALL other absences are unexcused. In case of prolonged illness or absence for a serious reason, please contact me. Tardiness beyond 5 minutes is considered an absence unless prior arrangements are made with the instructor. The course follows the university policy for absences due to university sanctioned events.

b. Assigned readings, written homeworks, and quizzes -- 15% of your final grade. NO late homeworks & NO emailed homeworks will be accepted. There are NO makeup quizzes. Everyone has ONE excused homework OR quiz. HOMEWORKS ARE TO BE TYPED. All homeworks and quizzes are equally weighted unless otherwise specified.

c. Participation in discussion and group work -- 10% of your final grade. This will include students taking on different group roles, as indicated by the instructor, as well as contributing orally to the class.

2. EXAMINATIONS -- 30% OF FINAL GRADE - All examinations are essay format. Students will receive a list of review questions/topics before each exam and there will be an in-class exam review scheduled before each exam.
   a. Midterm - 15% of final grade
   b. Final exam to be held during finals week -- 15% of final grade

3. PAPER & PRESENTATION -- 25% OF FINAL GRADE - Detailed instructions will be posted on Blackboard as well as discussed in class. Late papers will be penalized 5% per day late. No late papers will be accepted The paper must be submitted to SafeAssign prior to any grade being recorded. Projects will be presented to the class during the last week of class.

4. EDUCATIONAL SERVICE PROJECT -- 10% OF FINAL GRADE In an effort to disseminate material taught at Stony Brook University to members of the community, you will prepare a lesson on any part of the course and present it to three individuals who are not Stony Brook University students. You will receive more detailed directions on this project later in the semester. Late projects will be penalized 5% per day late.

LECTURE SCHEDULE AND READING ASSIGNMENTS
(Subject to change)

Week 1: Introduction and Overview of Maritime Societies around the World

Week 2: - Boat building of early civilizations I

Week 3: - Boat building of early civilizations II
   • Selected readings from Chinese Junks on the Pacific: Views from a Different Deck. Hans Konrad Van Tilburg.
Week 4: - Challenges of Exploration - The Quest for Longitude


Week 5: - Aids in Navigation

- Selected readings from *Dutton's Nautical Navigation.* Thomas J. Cutler.

Week 6: - Marine Mining – Pearls to Gold to Oil


Week 8: - Review and Midterm

Week 10: - From Steam to Bio-Fuel

- Stopford, Martin. *How Shipping Has Changed the World & the Social Impact of Shipping.*

Week 11: - *Titanic* – “The Unsinkable Ship?”


Week 12: - The Discovery of the *Titanic*

- Selected readings from *Exploring the Deep: The Titanic Expeditions.* James Cameron.

Week 13: - Modern Fishing Technologies – Where are the Fish?

Week 14: - Role of Environmental Activism in Modern Fishing

- Educational Service Project Due

Week 15: Monitoring and Studying of Marine Environment

- Selected readings from *Marine Environmental Biology And Conservation.* Daniel Beckman
- Paper Due

Week 16: Student Presentations

**THE USUAL DISCLAIMERS…..**

**Class Participation:** Regular attendance is essential for the successful completion of this course. All students are expected to attend every class session in its entirety and are responsible for all that transpires in class whether or not they are in attendance. For the course to function properly, students must complete the required weekly readings and be willing to participate in the class discussions. Your in-class performance will comprise a full thirty-five percent of the total grade. You are advised to exchange contact information with one or more of your classmates in case you miss class.

**Blackboard:** You can access class information, documents, and assignments on-line at: [http://blackboard.sunysb.edu](http://blackboard.sunysb.edu) You should be sure to consult it at least once a week; ideally, you would log on
before every class. Blackboard will be used to post class-related announcements. It is your responsibility to make sure that the email you check is the one you have marked as preferred on SOLAR so that you will receive copies of announcements. If you used Blackboard during the previous semester, your login information (Username and Password) has not changed. If you have never used Stony Brook’s Blackboard system: for help or more information see: http://www.sinc.sunysb.edu/helpdesk/docs/blackboard/bbstudent.php For problems logging in, go to the helpdesk in the Main Library SINC Site or the Union SINC Site, you can also call: 631-632-9602 or e-mail: helpme@ic.sunysb.edu

Email: Faculty may ONLY communicate with you via your official College email account. If you choose to forward your official college email to another off-campus account, faculty are not responsible for any undeliverable messages to your alternative personal accounts.

I am accessible via email and will try to respond to your emails as soon as I can. However, I may not check email continuously throughout the day so please do not wait until the last minute to email concerns or questions – typically any question that requires a more complicated response or thoughtful conversation should be asked in person/during office hours (e.g. grading concerns; further explanation of readings, etc). When sending emails, please include the class/section in the subject line and your full name somewhere in the body of the email. Students are encouraged to visit office hours or make an appointment with me.

Papers: Papers should be double-spaced, Times-New Roman, font size 12. Margins should be 1”. Your papers are to be turned in, on time, during class. Do not stick papers in mailboxes or under doors – you do so at your own risk. KEEP A COPY OF EVERYTHING THAT YOU TURN IN; it will be your responsibility to produce it if somehow it is lost or stolen from the pile. Lateness will be penalized.

Writing Center: If you need assistance in writing papers, please contact your instructor as well as SBU’s Writing Center: http://www.stonybrook.edu/commcms/writrhet/writing_center/writing.html

Tests: If you are forced to miss an exam or paper because of an emergency, you must inform the instructor by e-mail or telephone of this fact. In order to receive the opportunity for a makeup, you must document the emergency.

Notice Concerning Disabilities: If you have a physical, psychiatric/emotional, medical or learning disability that may have an impact on your ability to carry out the assigned course work, please contact the staff of the Disabled Student Services (DSS) Office, 128 Educational Communications Center, 632-6748, 632-6749/TDD. DSS will review your concerns and determine, with you, what accommodations are necessary and appropriate. All information and documentation of disability will remain confidential.

Academic Integrity: Each student must pursue his or her academic goals honestly and be personally accountable for all submitted work. Representing another person's work as your own is always wrong. Faculty are required to report any suspected instances of academic dishonesty to the Academic Judiciary. Faculty in the Health Sciences Center (School of Health Technology & Management, Nursing, Social Welfare, Dental Medicine) and School of Medicine are required to follow their school-specific procedures. For more comprehensive information on academic integrity, including categories of academic dishonesty, please refer to the academic judiciary website at http://www.stonybrook.edu/uaa/academicjudiciary/
Academic dishonesty is a completely unacceptable mode of conduct and will not be tolerated in any form. All persons involved in academic dishonesty will be disciplined in accordance with University regulations and procedures. Academic dishonesty includes, but is not limited to, cheating, plagiarism, collusion, the submission for credit of any work or materials that are attributable in whole or in part to another person, taking an examination for another person, any act designed to give unfair advantage to a student or the attempt to commit such acts.

Plagiarism is using others’ ideas and words without clearly acknowledging the source of that information. Students are continually engaged with other people's ideas: they read them in texts, hear them in lectures, discuss them in their classes, and incorporate them into their own writing. As a result, it is very important that each student give credit where it is due. Plagiarism, intentional or unintentional, is considered academic dishonesty and all instances will be reported to the Academic Judiciary. To avoid plagiarism, you must give credit whenever you use another person’s idea, opinion, or theory; any facts, statistics, graphs, drawings, or any other pieces of information, that are not common knowledge; quotations of another person’s actual spoken or written words; or paraphrase of another person’s spoken or written words. Citing all sources and putting direct quotations in quotation marks are required. For further information on plagiarism, go to http://www.wpacouncil.org/positions/WPAplagiarism.pdf or ask the instructor. *** PLAGARIZED PAPERS & ASSIGNMENTS WILL BE SENT TO ACADEMIC JUDICIARY WITH THE RECOMMENDATION OF A FAILURE FOR THE COURSE ***

Critical Incident Management Initiative: Stony Brook University expects students to respect the rights, privileges, and property of other people. Faculty are required to report to the Office of Judicial Affairs any disruptive behavior that interrupts their ability to teach, compromises the safety of the learning environment, or inhibits students' ability to learn. Stony Brook expects students to maintain standards of personal integrity that are in harmony with the educational goals of the institution; to observe national, state, and local laws and University regulations; and to respect the rights, privileges, and property of other people. 

No Smoking in the classroom including Electronic cigarettes and water pipes.

Classroom Policy: Students are expected to follow the Stony Brook Code of Conduct while in the classroom. If you are not familiar with the Code you can find it at:


Behavior that is disruptive to the function of the class, other students, or the instructor will not be tolerated. Poor class behavior or violations to the Code of Conduct will lead to removal from the class, possible withdrawal, or suspension. Food is not permitted in class. Beverages are OK, but please bring a container the can be closed to reduce spills. If a spill occurs please clean it up immediately.

Cell Phone and Electronic Devices: Use of cell phones, blackberries, iPods, MP3 players, and other audio and telecommunications devices is strictly prohibited during class. The only exceptions are through permission granted by the instructor for special purposes. During regular class sessions, cell phones must be either in ‘vibrate mode’ or turned off. Calls cannot be answered. Text messaging is not allowed during class. Cell phones must be turned off and enclosed in a case, book bag, briefcase, or the like during tests and exams. YOU are responsible for ensuring this policy is followed. Students MAY NOT have cell phones, electronic dictionaries, calculators, pagers or other “information rich” devices (anything that can receive and/or store many pages of text) in their possession during tests and exams. *** ANYONE CAUGHT TEXTING WILL BE DEDUCTED HALF AN ABSENCE ***

Assessment of Student Performance: Homework assignments, examinations, and term papers should be evaluated and returned promptly. Written comments, explaining the instructor’s criteria for evaluation and giving suggestions for improvement, should be provided.
Instructors are responsible for providing students with appropriate and timely notification about their academic performance in a course. An examination or other assessment measure should be administered, graded, and returned to students before the end of the ninth week of classes.

Examinations and term papers submitted at the end of the term should be graded and either returned to students or retained for one semester.

Any change to the course grading policy during the semester must be announced and made available to all students enrolled in the course. Assigning additional work to individual students who wish to improve their grades, during or after the semester, is prohibited.

Instructors must observe the Final Examination Schedule available at [http://www.stonybrook.edu/registrar](http://www.stonybrook.edu/registrar). Instructors of courses taught on the semester schedule may only give a unit exam in class during the last week of the semester if a final examination is also given during the Final Examination Period.

Instructors must observe state laws, federal laws, and University policies regarding accommodations as noted in the Bulletin (e.g., student participation in University-sponsored activities or equivalent opportunity/religious absences). Accommodations such as make-up exams, assignments, or other coursework that fall outside of the purview of these laws and policies are at the discretion of the instructor.

**Professional Conduct and Interaction with Students:** Instructors must report all suspected occurrences of academic dishonesty to the Academic Judiciary Committee (for classes in the College of Arts and Sciences, College of Business, School of Marine and Atmospheric Sciences, and School of Journalism) or the Committee on Academic Standing and Appeals (for classes in the College of Engineering and Applied Sciences).

Instructors should always be aware that in teaching and advising they represent the University. They are bound by the University’s sexual harassment policies. Instructors are also bound by University policies that prohibit any consensual relationships with students that might compromise the objectivity and integrity of the teacher-student relationship. Examples include romantic, sexual, or financial relationships.

Instructors should strive to maintain the privacy and confidentiality of students’ examinations, homework, and final grades.

In dealing with students, instructors should be polite, helpful, and fair. They should take into account the wide range of cultural factors and physical challenges that can affect learning, and should attempt to help students overcome any disadvantages.

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**Grading Scale:**

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<th>Percentage Range</th>
<th>Grade</th>
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<td>93-100 percent</td>
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<tr>
<td>90-92 percent</td>
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<td>87-89 percent</td>
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<td>83-86 percent</td>
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