

**GENERAL OCEANOGRAPHY**  
**Geology 105 – Spring 2012**  
**Section 80**  
**San José State University**  
**Greensheet – (Ver. 2 – 1/26/12)**

<b>Instructors:</b>	<b>Don Reed</b> (yes, I am a doctor, Ph.D., and full professor, but just call me "Don")
<b>Office Location:</b>	305 Duncan Hall
<b>Telephone:</b>	<u>(408)-924-5036 (not the best way to reach me)</u> Voicemail will be checked once a day on Mon., Tues. Wed. and Thurs.
<b>Video Conference:</b>	Elluminate ( <a href="http://elm.illuminate.com/HOSTEDSJSU">http://elm.illuminate.com/HOSTEDSJSU</a> ), Skype (dreed100) or Video iChat by request
<b>Email:</b>	<b>Use Mail within Desire2Learn for all communication, as it is the best way to reach instructor.</b> All Mail to the instructor in Desire2Learn will be answered within 24 hours of being received, Monday through Thursday. Email sent on Friday <u>may</u> not be answered until Monday afternoon. <u>If Desire2Learn is down</u> , use <a href="mailto:oceansjsu@yahoo.com">oceansjsu@yahoo.com</a>
<b>Office Hours at SJSU:</b>	Between Jan. 25 and Feb. 20: M 3:00-4:00; After February 20: M 12:50-1:50
<b>Online Office Hours:</b>	T 1:00-2:00, TH-F 11:00-12:00 <u>or by appointment; phone and videoconference available</u>
<b>Course Websites:</b>	<a href="http://sjsu.desire2learn.com/">http://sjsu.desire2learn.com/</a> <b>Assignments:</b> <a href="http://oceansjsu.com">http://oceansjsu.com</a>
<b>Prerequisites:</b>	Completion of all core GE courses, completion of WST test, completion of, or co-registration in, 100W, and passing score on ELM Test and Math 7 (Intermediate Algebra) or equivalent.  Students must have access to a computer with speakers and a high-speed connection to the Internet (DSL, Cable or T1).
<b>GE/SJSU Studies Category:</b>	Area R: Earth and Environment

### ***Course Website and Use of Desire2Learn***

We will use Desire2Learn (<https://sjsu.desire2learn.com/>) for accessing weekly assignments, called expeditions, electronic discussions, email, submitting graded assignments, and taking quizzes and exams.

Information on using Desire2Learn can be found at <http://www.sjsu.edu/ecampus/students/>

## **Course Description**

This course will focus on the scientific examination of the impact of the oceans on global society, and human impacts on the oceans, through web-based exercises, bulletin board discussions, and field studies of local shoreline habitats. This course meets Area R for SJSU Studies requirements. Courses to meet Areas R, S, and V of SJSU Studies must be taken from three different departments, or distinct academic units.

## **Course Goals and SJSU Studies Area R Student Learning Objectives**

Upon successful completion of this course, students will be able to:

- 1) appreciate the methods and limitations of scientific investigations of the global ocean; (Learning Outcome #1)
- 2) distinguish between science and pseudo-science; (Learning Outcome #2)
- 3) apply the methods of science to a problem involving the earth and environment; (Learning Outcome #3)

Students will also increase their understanding of:

- 1) the connection between the ocean and global society,
- 2) the ocean ecosystem and its life forms,
- 3) the interactions between the ocean and climate,
- 4) oceanography as a global science of special interest to diverse societies of the Pacific Rim, including the multicultural population of California

## **Required Reading Assignments and Course Workbook (“Reader”)**

There is no textbook, instead reading assignments will be assigned each week and downloaded from course website.

A required course workbook, also known as a “reader” can be downloaded and then printed or purchased as a hardcopy at A.S. Print Shop on campus, located in **Hoover Hall** between the 7th Street Parking Garage & the Aquatic Center beginning on Wednesday, February 1 for approximately \$16. The contents of the workbook also can be downloaded from course website, assignment by assignment.

## **Other equipment / material requirements**

Colored Pencils (necessary for completing diagrams in expedition worksheets)  
Calculator (necessary for online work and exams)

## **Nature of Weekly Work and Responsibilities of Students**

Students will play an active role in their learning through the timely completion of online virtual expeditions in which students take on the role of a research oceanographer. Students will participate in an average two self-paced virtual expeditions each week. For national accreditation purposes, the university requires

that a three-unit, semester-long class consists of 2.5 hours of instruction each week; an online class takes at least this much time and more, in most cases, because of the heavy reliance on reading and writing for communication with other students and the instructor. Students are also required to participate in electronic discussions, often problem-based and issue-oriented, with other students on issues presented in reading assignments. Online “class time” does not include time required for the assigned readings, writing assignments, including discussions, or preparing for exams, as this is “homework” just as you would have in classroom sections.

Our expeditions, which replace classroom lectures, are web-based exercises that provide a self-paced tutorial on the subject matter, composed of text, graphics, animations, and short segments of newscasts in streaming audio/video. Students work their way through an expedition by viewing the pages and writing answers to questions in the course worksheet and taking notes. These answers and diagrams serve to highlight the most important information and will provide the notes from which to prepare for exams. Students are strongly encouraged to post any questions or thoughts on the contents of a particular expedition in the associated “Any Questions” discussion for each expedition on the Desire2Learn site.

Answer keys are only provided for expeditions 5 through 12, which represents the material cover on exam #1. By expedition 13, students will be very familiar with the expedition format, the use of the worksheets to study and the types of questions asked on exams, consequently answer keys are not provided for expeditions 13 through 19. Instead, it is my sincere hope that students assess their own learning at this point in the class and post any questions on the material in the appropriate discussion area so that we can learn as a community, engaging other students in a dialogue to enhance our understanding of the scientific investigation of the ocean.

At the end of all expeditions, except those with required discussion postings (#1, #9, #16, #21 and #22), students are required to send a "Bye Don" email within the course area of Desire2Learn to confirm completion of the work. Instructions on sending the Bye Don email or posting in an electronic discussion are given on the last webpage of these expeditions – just follow the directions and students should know how to proceed. Students are encouraged to ask questions about the material in the expedition discussion areas or by Mail in Desire2Learn to gain insight from fellow students and for the instructor to provide suggestions, additional information and clarification.

New expeditions will be posted on Tuesday at 12:00 PM of each week and are to be completed according to the dates listed in course schedule, generally one expedition by Friday at 11:00 AM of the same week and another by Tuesday at 11:00 AM of the following week. This schedule varies, so please consult course schedule for details.

## ***Dropping and Adding***

Students are responsible for understanding the policies and procedures about add/drops, academic renewal, etc. [Information on add/drops are available at http://info.sjsu.edu/web-dbgen/narr/soc-fall/rec-324.html](http://info.sjsu.edu/web-dbgen/narr/soc-fall/rec-324.html) . [Information about late drop is available at http://www.sjsu.edu/sac/advising/latedrops/policy/](http://www.sjsu.edu/sac/advising/latedrops/policy/) . Students should be aware of the current deadlines and penalties for adding and dropping classes.

## ***Assignments and Grading Policy***

Grades in the class are based on combination of assignments, listed individually below, resulting in a total of 1000 points. **No extra credit is available in the class.**

### ***Area R Writing Requirements***

It is now required that all SJSU Studies GE courses have at least 3000 words of written assignments, which is about 12 pages. SJSU course regulations also specify that this requirement be spread across more than one assignment in order to give appropriate feedback on the quality and form of writing. Every writing assignment will promote reflective processes and critical analysis while being assessed for grammar, clarity, conciseness and coherence. In this class the 3000 word requirement is covered by the four Desire2Learn discussion assignments (a total of about 1050 words), an essay on the science of marine fisheries assessment and management (1150-1250 words), and the final exam (about 750-800 words). Students should use feedback from each writing assignment to improve the quality of the subsequent writing assignment.

### ***Online Expeditions (0 points, however, see section on Course Workbook)***

Students take on the role of practicing oceanographers in a series of virtual oceanographic research activities, called expeditions. By participating and completing these expeditions, students will meet Area R GE learning outcomes 1 and 3 – see list under “Course Goals and Student Learning Objectives” in this greensheet

### ***Electronic Discussion Boards (140 points – 14% of course grade)***

At the end of expeditions 9 and 16, students will participate in required electronic discussions in Desire2Learn. Students will make an initial posting, approximately 325-375 words long (about 20-25 sentences) and reply to another student with a posting of approximately 50-75 words (about 4 to 5 sentences). The original posting and subsequent reply to at least one other student must be separate postings. Personal insight and accurate knowledge, gained from the associated reading assignments, and the quality of writing for communicating this knowledge to other students in the class are the important grading criteria for the initial posting in discussion. Discussions associated with expeditions 9 and 16 are worth 50 points each, 40 points will be assessed for content knowledge (what you say), including scientific accuracy support by verifiable evidence, and 10 points for writing quality (how you say it). The deadline for participating in required discussions, both the initial posting and reply to at least one other student, is same as the expedition in which it is assigned (see course schedule).

Grading criteria of the Expeditions 9 and 16 discussions will be based on the following rubric:

- 50-45 points = excellent work; well-written, insightful, and provides discussion beyond requirements of assignment
- 44-40 points = very good work; meets requirements of assignment by repeating what is provided in book; may have a few errors in understanding or writing quality, possibly a few awkward sentence constructions
- 39-35 points = Good to fair work; a number problems in writing style or comprehension of associated assigned reading, but meets criteria of assignment, may need better organization of thoughts, and overall work needs to improve
- 34-30 points = Poor Work, little or no analysis, poor quality writing; does not show insight from reading assignment; no reply,
- 30-0 points = not university-level work, does not follow requirements of assignment or use material from reading assignment as supporting evidence, poor writing quality

Not replying to another student in the Expeditions 9 and 16 discussions will result in a 5 point penalty.

The first student to post in a required discussion will receive automatic permission to post a late reply, since they should not need to wait for the postings of other students.

Initial postings of less than 325 words will receive a 5 to 15 point penalty, depending brevity of posting **and** exceeding 375 words in posting may result in a 5 point penalty.

The requirements for discussions in expeditions 21 and 22 are somewhat different, so students should consult the web site and appropriate section in course workbook for more details. By participating in these discussions students will meet GE Area R learning outcomes 1 and 2 – see list under “Course Goals and Student Learning Objectives” in this greensheet.

### ***Quiz and Essay on Marine Fish Stock Assessment (180 points – 18% of course grade)***

This is a two-part assignment consisting first of a short quiz to identify the key topics from the reading assignments to be included in the essay, worth 60 points. Students should review the “Marine Fisheries Assessment and Management Essay Instructions” section of course workbook for additional information and study suggestions prior to beginning quiz. After students review instructor feedback from quiz, and review the “Marine Fisheries Essay Instructions” section of course workbook for additional information, they will compose a three to four page essay (approximately 1150 to 1250 words), worth 120 points, on the methods and limits of science in assessing and managing marine fish stocks. The essay is to be **submitted in Microsoft Word format (.doc) to Marine Fish Stock Assessment Essay section** in DropBox of Desire2Learn, where it then will be automatically reviewed for originality in turnitin.com. Students must complete this assignment on their own and shall NOT copy material from any publication, including web sites,

even if enclosed in quotation marks. One objective of the assignments is to assess the quality of student writing and not the ability to use numerous quotations. By successfully completing this assignment, students meet GE Area R learning outcome 1 – see list under “Course Goals and Student Learning Objectives” in this greensheet.

### ***Field Study on the San Francisco Bay***

Students have a great time on this trip! Students will participate as scientists on a 4 hour-long voyage on the San Francisco Bay on the R/V Robert G. Brownlee with the Marine Science Institute in Redwood City. This is a “hands on” activity in formulating hypotheses, acquiring data to test these hypotheses, and analyzing data aboard the research vessel. Date and time of voyage is given in course schedule. By successfully completing this activity, students will meet GE Area R learning outcomes 1, 2, and 3 – see list under “Course Goals and Student Learning Objectives” in this greensheet.)

### ***Online Exams (240 points each - 48% of course grade)***

Student will complete two “open book/open notes” online exams lasting approximately 90-100 minutes each. Students may take exam anytime within a 24-hour period, but must complete exam in one sitting (no logging out and back in). Exam #1 will cover the materials and associated reading assignments in Expeditions 5 through 12. Exam #2 covers the material and associated reading assignments in Expeditions 13 through 20. Exam review sheets and study suggestions are provided in the course workbook. **All expeditions and answer keys, if provided, will be removed from the course web site at the beginning of the exam period.**

Students must work alone during exam and use only their own work to answer the questions. Students may not use information from outside web sites, for example, Wikipedia, during exam or information from students in previous classes. Any violation of these instructions will result in a failing grade on exam (0 points) and considered a violation of the SJSU Policy on Academic Integrity.

Exams will consist of approximately 13-18 multiple choice questions as well as one or two essay questions that will examine the ability of students to integrate course work into the key learning outcomes in the Area R (Earth and Environment) Category of the SJSU Studies GE program. Since the essay questions may ask students to place the content of the course in the specific context a scientific research experience, students will meet GE Area R learning outcomes 1, 2, and 3 – see list under “Course Goals and Student Learning Objectives” in this greensheet.

Students may request a change in the date and time of exams for personal circumstances, such as other exams on same day, computer/internet access issues, work schedule conflict, family obligations, and personal illness. All such requests must be emailed or called in to instructor before the start of the exam period. Students who do not take exam within scheduled period and do not contact the instructor in advance of exam will be assessed a late penalty of 25 points for each 24-hour period after scheduled end of exam.

### **Course Workbook (100 points – 10% of course grade)**

**The completed expedition worksheets are turned in all at once as part of your course workbook after the final exam – they are not turned in each week.**

Keeping a detailed record of observations in experiments or field projects is an important part of all scientific investigations, in order to replicate for results for experimental verification. Consequently, students are required to complete the expedition worksheets in the course workbook. Moreover, the worksheets provide an outline for taking notes on the most important material in each expedition and therefore constitute a study guide to prepare for quizzes, writing assignments and exams.

Students must answer all of the questions on each expedition worksheet (honest, but incorrect, attempts *are not* marked down). A deduction of 5 points will be assessed for each expedition that was not attempted in course workbook. More than two skipped questions in an expedition will result in a penalty deduction of 3 points on course workbook and more than 5 skipped questions will receive a 4 point deduction.

Every student must submit a workbook for review by the instructor. The workbook should be dropped through the mail slot in door of Duncan Hal 222 (“BAESI office”) after final exam has been completed. Instructions for this assignment can be found at the beginning of course workbook. Students who do not submit course workbook by due date will receive an incomplete (I) grade in the class. A late penalty of 10 points will be assessed for each 24-hour period after due date and time. By successfully completing this compilation of research results from the virtual expeditions, students will meet GE Area R learning outcome 3 – see list under “Course Goals and Student Learning Objectives” in this greensheet.)

### **Final Exam (100 points – 10% of course grade)**

Students will begin working on the final exam by participating in the required discussions in Desire2Learn described in Expeditions 21 and 22. These discussions will help students focus on potential ideas to develop in more detail on final exam.

The final exam is open book and open notes, but during exam, students may not use any sites on the WWW other than the course web site. The final exam will consist of two essay questions, which in combination require about 800-900 words of writing. Students will apply a scientific approach to current scientific questions dealing with the ocean. Grading of exam will be based on writing quality (20 points), critical and creative thinking, and scientific knowledge of the topics covered in this class (80 points).

**One objective of the assignment is to assess the quality of student writing (not the ability to use quotations). Consequently, students shall NOT copy material from any publication, including web sites, even if enclosed in quotation marks.** The exam answers will be submitted, by the instructor, for an originality check at [www.turnitin.com](http://www.turnitin.com). By completing this assignment, students meet GE Area R learning outcomes 1 and 3 – see list under “Course Goals and Student Learning Objectives” in this greensheet.)

### ***Due Dates and Late Policy on All Graded Assignments***

The due dates for all assignments can be found in Course Schedule section of this greensheet. It is the responsibility of each student to follow the course schedule. The following deductions will be assessed for all work submitted after the due dates given in course schedule:

- 0-6 hours late – 5% deduction of total points possible
- 6-24 hours after deadline – 10% deduction of total points possible
- 25-48 hours after deadline – 20% deduction of total points possible
- Late submissions will not accepted if more than 48 hours after deadline

### **Course Grade (1000 points)**

The course grade will be based on a combination of written essays, online discussions and quizzes, two exams, a workbook of online work and a final exam with a combined total of 1000 points. Keep track of scores on required assignments to determine your grade at anytime during course.

<b>Assignment</b>	<b>Score (possible)</b>
Participation in Required Desire2Learn Discussions (160 pts.)	
Expedition 9 - Science from Pseudoscience	_____ (50)
Expedition 16 - Iron Fertilization	_____ (50)
Expedition 21 – Top Ten	_____ (20)
Expedition 22 – Your Question or Hypothesis	_____ (20)
Marine Fisheries Stock Assessment and Management Essay (160 pts.)	
Quiz	_____ (60)
Essay	_____ (120)
Exam #1 (online)	_____ (240)
Exam #2 (online)	_____ (240)
Final - Exam (online)	_____ (100)
Course Workbook	_____ (100)
<b>Total Points at end of course</b>	<b>_____ (1000)</b>

**Letter grades are not assigned individual assignments, but can be estimated using the percentage of points awarded out of the total points possible and by applying the scale below.**

100-92% A	79.9-78% C+	61.9-60% D-
91.9-90% A-	77.9-72% C	Below 60% F
89.9-88% B+	71.9-70% C-	
87.9-82% B	69.9-68% D+	
81.9-80% B-	67.9-62% D	

The percentage scale above can also be used to determine course letter grade at anytime in the course by calculating the percentage of total points earned out of total points available on all graded assignment at that time.

At the end of the course, letter grades will be based on the following scale:

1000-915 = A	814-795 = B-	694-675 = D+
914-895 = A-	794-775 = C+	674-615 = D
894-875 = B+	774-715 = C	614-595 = D-
874-815 = B	714-695 = C-	594 or less =F

## ***University Policies***

### **Academic Integrity**

Students should know that the University's [Academic Integrity Policy is available at http://www.sa.sjsu.edu/download/judicial\\_affairs/Academic\\_Integrity\\_Policy\\_S07-2.pdf](http://www.sa.sjsu.edu/download/judicial_affairs/Academic_Integrity_Policy_S07-2.pdf). Your own commitment to learning, as evidenced by your enrollment at San Jose State University and the University's integrity policy, require you to be honest in all your academic course work. Faculty members are required to report all infractions to the office of Student Conduct and Ethical Development. The website for [Student Conduct and Ethical Development is available at http://www.sa.sjsu.edu/judicial\\_affairs/index.html](http://www.sa.sjsu.edu/judicial_affairs/index.html).

**“Word for Word” copying from articles or web sites, or using quotations, does not meet the Area R writing requirement and is therefore forbidden in this class.** As in any university work, students can use ideas and concepts from web sites or hardcopy materials, if the source is properly cited. Instances of academic dishonesty will not be tolerated in this class. Cheating on exams or plagiarism (presenting the work of another as your own, such as using outside web sites for information during exam, or the use of another person's ideas in writing assignments without giving proper credit) will result in a “0” grade, plus additional point penalties, generally negative point deductions of the magnitude of specific assignment (e.g. 100 pt. assignment, -100 point score on assignment) and sanctions by the University. For this class, all assignments, including electronic discussions, are to be completed by the individual student unless otherwise specified. Students who provide information about quizzes and exams, or material for writing assignments, to other students will also be subject to the penalties described above. If you would like to include in your assignment any material you have submitted, or plan to submit for another class, please note that SJSU's Academic Policy F06-1 requires approval of instructors. Quizzes and exams are assignments to be completed alone; evidence of collaborating with another person while taking the quiz or exam will result in an “F” in the class and submission of Academic Integrity Violation Report to the university.

### **Campus Policy in Compliance with the American Disabilities Act**

If you need course adaptations or accommodations because of a disability, or if you need to make special arrangements in case the building must be evacuated, please make an appointment with me as soon as possible, or see me during office hours. Presidential Directive 97-03 requires that students with disabilities requesting accommodations must register with the DRC (Disability Resource Center) to establish a record of their disability.

### ***Desire2Learn Resources***

For students experiencing technical problems with Desire2Learn (eg. unable to log in, need password re-set, etc.), please contact San Jose State University's Information Technology Support Services (ITSS) at 408-924-2377, or email at [helpdesk@sjsu.edu](mailto:helpdesk@sjsu.edu). ITSS is located on the first floor of the Academic Success Center in Clark Hall, if students wish to speak with someone in-person.

### ***Learning Assistance Resource Center***

The Learning Assistance Resource Center (LARC) is located in Room 600 in the Student Services Center. It is designed to assist students in the development of their full academic potential and to motivate them to become self-directed learners. The center provides support services, such as skills assessment, individual or group tutorials, subject advising, learning assistance, summer academic preparation and basic skills development. [The LARC website is located at http://www.sjsu.edu/larc/](http://www.sjsu.edu/larc/).

### ***SJSU Writing Center***

The SJSU Writing Center is located in Room 126 in Clark Hall. It is staffed by professional instructors and upper-division or graduate-level writing specialists from each of the seven SJSU colleges. These specialists have met a rigorous GPA requirement, and they are well trained to assist all students at all levels within all disciplines to become better writers. [The Writing Center website is located at http://www.sjsu.edu/writingcenter/about/staff/](http://www.sjsu.edu/writingcenter/about/staff/).

### **Course Schedule**

The course schedule is subject to change with fair notice through messages in Desire2Learn Mail or posting on course website.

Expeditions will go online each Tuesday at Noon and need to be completed by the due date listed in course schedule on next page, usually the Friday at 11:00 AM of the week that the expedition is assigned or Tuesday at 11:00 AM of the following week. However, this schedule varies, so please consult schedule on next page.

<b>Week</b>	<b>Expedition Topics, Assignments, Readings, and Due Dates/Times</b> Required Reading Assignments Can be Accessed in Discussion Area of Desire2Learn.
<b>1</b> 1/25-1/29	<b>Expedition #1</b> An Educated Person and the Oceans; <u>Due Tues. 1/31 by 11 AM</u>
<b>2</b> 1/30-2/5	<b>Expedition #2</b> Declining Marine Fisheries; <u>Due Fri. 2/3 by 11 AM</u> <b>Expedition #3</b> Fisheries Science; <u>Due Tues. 2/7 by 10 AM</u>
<b>3</b> 2/6-2/12	<b>Expedition #4</b> Fisheries Management – <u>Due Fri. 2/10 by 11 AM</u> <b>Quiz – Available Fri. Feb. 10 at Noon to Sat. Feb. 11 at Noon</b>
<b>4</b> 2/13-2/19	<b>Expedition #5</b> Mapping the Bay; <u>Due Fri. 2/17 by 11 AM</u> <b>Expedition #6</b> Map of the World; <u>Due Tues. 2/21 by 11 AM</u>
<b>5</b> 2/20-2/26	<b>Expedition #7</b> Commotion Beneath the Ocean; <u>Due Fri. 2/24 by 11 AM</u> <b>Essay - Due in Desire2Learn Dropbox by Wed. Feb. 22 by 1 PM</b> <b>Expedition #8</b> Boundaries Beneath the Sea; <u>Due Tues. 2/28 by 11 AM</u>
<b>6</b> 2/27-3/4	<b>Expedition #9</b> The Seafloor at Birth (Required Discussion #1); <u>Due Tues. 3/6 by 11 AM</u> <b>Field Study – Bay Discovery Voyage – Sat. March 3 from 7:40 AM to Noon</b>
<b>7</b> 3/5-3/11	<b>Expedition #10</b> Whole Lotta Shakin' Goin' On - <u>Due Tues. 3/13 by 11 AM</u>
<b>8</b> 3/12-3/18	<b>Expedition #11</b> Tsunami; <u>Due Fri. 3/16 by 11 AM</u> <b>Expedition #12</b> Dive and Discover Expedition; <u>Due Tues. 3/20 by 11 AM</u>
<b>9</b> 3/19-3/25	<b>Exam #1 – Available Wed. March 21 from Noon to Thurs. March 22 at Noon</b> <b>Expedition #13</b> The Briny Deep; <u>Due Tues. 4/3 by 11 AM</u>
<b>10</b> 4/2-4/8	<b>Expedition #14</b> Supporting the Marine Ecosystem; <u>Due Fri. 4/6 by 11 AM</u> <b>Expedition #15</b> Diving into the Canyon; <u>Due Tues. 4/10 by 11 AM</u>
<b>11</b> 4/9-4/15	<b>Expedition #16</b> Greening of the Ocean (Required Discussion #2); <u>Due Fri. 4/13 by 11 AM</u> <b>Expedition #17</b> Global Circulation; <u>Due Tues. 4/17 by 11 AM</u>
<b>12</b> 4/16-4/22	<b>Expedition #18</b> Tracking Drifter Buoys; <u>Due Fri. 4/20 by 11 AM</u> <b>Expedition #19</b> Ocean – The Climate Engine; <u>Due Tues. 4/24 by 11 AM</u>
<b>13</b> 4/23-4/29	<b>Expedition #20</b> Where the Water Goes; <u>Due Fri. 4/27 by 11 AM</u>
<b>14</b> 4/30-5/6	<b>Exam #2 – Available from Monday April 30 at Noon until Tuesday May 1 at Noon</b> <b>Expedition #21</b> The Final – Top Ten (Required Discussion #3) - <u>Due Fri. 5/4 by 11 AM</u>
<b>15</b> 5/7-5/13	<b>Expedition #22</b> The Final - The Question (Required Discussion #4) - <u>Due Fri. 5/11 by 11 AM</u>
<b>16</b> 5/14-5/20	<u>Tuesday, May 15</u> is the last day of instruction in this semester <b>Final Exam: Available Fri. May 18 at 5:15 PM to Mon. May 21 at 10 AM</b> <b>All Expeditions will Go Offline on Wed. May 23 at 9 AM</b>
	<b>Course Workbook is to be Placed through Door Drop Slot at Duncan Hall 222 On or Before Wed. May 23 by 5:00 PM</b>

**Course grades will be posted on Desire2Learn on Wed. May 30 at 3 PM**