

# Oceanography 101: Introduction to Oceanography

WINTER QUARTER 2012 -- **ONLINE CLASS**

**By staying registered in this course, you agree to abide by all of the rules and expectations provided by the instructor in this Syllabus and elsewhere, by the Bellevue College student conduct code, etc.**

<b>Instructor</b>	Gwyneth Jones (Gwyn) <ul style="list-style-type: none"><li>In Blackboard Vista: gwjones</li><li>Bellevue College email: gwjones@bellevuecollege.edu</li><li>Only for MSN IM / Facebook: gwyneth-jones@hotmail.com</li></ul>
<b>Websites</b>	The course's Blackboard Vista site: <a href="http://vista.bellevuecollege.edu">http://vista.bellevuecollege.edu</a> <ul style="list-style-type: none"><li>Also my Science Division page: <a href="http://scidiv.bellevuecollege.edu/gj">http://scidiv.bellevuecollege.edu/gj</a></li><li>For research: <a href="http://google.com">http://google.com</a> or alternative; library databases</li></ul>

**Required Course Materials:** New and used books are often available for purchase or rent online, at used bookstores, and from former students. Our lab manual is available only through the college bookstore (<http://bookstore.bellevuecollege.edu>).

- Textbook** = *Either* Introduction to Oceanography (CUSTOM 5th edition, 2008) by Tom Garrison: ISBN: 0495840149; or Essentials of Oceanography (5th edition, 2008) by Tom Garrison: ISBN: 0495555312 (*That is, choose one.*) To rent printed or e-book from publisher at discount: <http://www.cengagebrain.com/shop/ISBN/9780495555315>
- Lab Manual** = Online Oceanography 101 Lab Manual (2011) by Gwyn Jones & Kent Short. **Be sure that the bookstore does not sell you the campus edition!**
- Course PPTs** = Required Course PowerPoints. I will post these for you to study, in Portable Document File (.pdf) and/or PowerPoint Show (.pps) format.
- Other Handouts** = To be provided throughout the quarter -- via the web and/or by email.
- On Reserve** = I have put books and other optional/recommended materials on reserve at the Bellevue College Library Media Center (<http://bellevuecollege.edu/lmc>) for your use. This includes a copy of our textbook. I have linked a number of recommended resources to my Bellevue College webpage. Please do "peruse and use".

## Also Required:

- Reliable daily internet access
- Calculator
- Metric ruler
- A few household items for lab
- Good attitude and hard work! :-)
- MSN Messenger (IM)
- Dictionary
- Colored pencils
- Some sand, clay, and pebbles for lab

**Course Overview:** This course will provide a general introduction to the science of oceanography. It is oriented toward non-science majors, but can also be a good starting point for those who may want to explore opportunities in marine science or earth science careers. There are 3 units: I. Geological Oceanography; II. Physical and Chemical Oceanography; and III. Biological Oceanography and Marine Environmental Issues. If you haven't already done so, please read the **Getting Started** section of the Blackboard course website as soon as you're done reading this syllabus -- Even if you have taken other online courses, there is information in the Getting Started section that you need to read before taking this class.

**Course Format:** This is an entirely online course. You will do the labs, tests, and other assignments individually, and submit them online before the specified deadlines. Many (though not all) students find the **independent, self-educational approach** of this format to be as fruitful as -- and perhaps even more rewarding than -- a traditional instructor-led classroom course. If you are a very motivated person with a history of self-discipline and the ability to get things done without any outside prompting, you are likely to succeed in this course. Furthermore, if you get easily interested in many things and are open to the world around you, this class will probably be a great experience for you.

**Skills You Will Strengthen:** The discussions, labs, and other assignments require independent work, critical thinking, written communication, quantitative skills, and research skills. You will learn individually from the textbook, PowerPoint files, and other sources. You will analyze information and find solutions, both independently and as part of the class as a whole. You will make calculations, interpret charts and maps, and graph information. Please inform me if you are repeating this class.

**Course Schedule:** The course schedule is posted on the class websites and can be found at the end of this document. Reading assignments, lab exercises, test dates, and other items are shown on the schedule. Changes, if any, will be posted to the class website, and/or announced by email. Every time you log in (at least once a day, 7

days a week), it is your responsibility to find out whether any changes were announced. I reserve the right to alter the schedule in response to student interest, instructor discretion, and/or unforeseen circumstances.

### **Preparation and Participation:**

- Prior knowledge of science is not expected; curiosity, interaction, discussion, hard work, courtesy, and questions are.
- There are no “dumb questions”. If you're wondering about something, chances are that some classmates are, too!
- Because the course has no scheduled meeting times, you will be almost entirely responsible for your own education; however, I am here to help you learn. I love oceanography and related sciences, and enjoy working with students of all ages and backgrounds, so don't be shy about asking when you have questions.
- It's easy to fall behind, and difficult to make up lost ground, so stay on top of the workload and well ahead of the deadlines. If you will be away, please contact me as soon as possible beforehand; you will still need to turn in all assignments on time or early.
- When you have questions or concerns, please use the Blackboard Discussion Boards unless what you need to say is personal or private (in which case, please use Blackboard-Mail). This reduces duplication of questions and may yield you an answer more swiftly.

**Course Expectations and Workload:** As many of you are new to science, college, and/or the online format, you may find that this course differs significantly from what you've experienced before. ***This is a 6-credit college-level laboratory-science class, in online format, during one academic quarter.*** Count on devoting significant intensive study for this class. The responsibility's on your shoulders, and it's worth it -- You'll never look at the world around you in the same way again!

- Is distance learning for you? Please use this self-assessment: <http://bellevuecollege.edu/distance/WebAssess>
- I have high expectations, and confidence in my students' abilities. Good organization, time management, independence, positive attitude, self-advocacy, and reading, writing, and study skills are absolutely essential to success in this class! Students who've taken online classes agree almost universally that it takes more work, more time, and better organizational skills to succeed in an online class.
- In order to succeed online, you need to maintain an exceptionally high level of self-motivation. Be very proactive: Keep up with assignments and readings, check the class website and your email daily, study hard, and contact your classmates and/or me when you have questions.
- We cover a lot of material each week, and it's impossible to learn all that information from scratch in one or two sittings. (Studies show that it takes at least 3 interactions with information for it to be really learned.) Count on devoting **at least 25 hours a week** of intensive study for this 6-credit lab class:
  - 6 credits = 7 hours a week in class/lab or equivalent + 2-3 hours studying per hour = **21-28 hours a week** for a 6-credit lab class.

**“Netiquette” (Courtesy Expectations):** As a college student, you are expected to behave courteously toward the instructor, other students, and staff. You are expected to conduct all online, written, and in-person conversations in a mature, professional manner. This class is entirely online, yet I expect you to be as respectful as you would be in person in a classroom setting (or at a professional job). Emails, posts, etc. cannot be “taken back” -- though when apologies are appropriate, you should make them. So, please use care and courtesy; don't say things that you might later regret -- in terms of content, words, and tone. ***Even if you're thick-skinned, many of your classmates are not and they shouldn't have to be -- nor should I.*** A good test: Before sending or saying something, write it up, save it, go away for an hour or more, then re-read it. Would you send it to your boss's boss or a respected elder? I will take strong disciplinary action for improper behavior (rude, mean, offensive, discriminatory, etc); violations will be reported to the Dean of Students.

**Students with Special Needs:** If you have a disability for which you may need academic adjustments, please contact me or the Disability Resource Center (DRC, formerly DSS) as soon as possible to arrange for appropriate accommodations. The law states that a student may present documentation anytime and the DRC must make a good faith effort to accommodate. The DRC office is in Room B-132 (telephone 425-564-2498 or TTY 425-564-4110; <http://bellevuecollege.edu/drc>). The DRC office will provide each eligible student with an accommodation letter, which you should review with each instructor as soon as possible, preferably during the first week of the quarter. *If you're not sure whether you might qualify for course accommodations, please feel free to contact the DRC or me.* To quote one of my former students: “I am very open about having a learning disability. I learned long ago that being ashamed of it means that that cycle will continue, which causes children to feel that there is something wrong with it. Just like any challenge, the individual has to decide if they want to fight for what they want or fall down in defeat. I learned late in life that I would rather fight than fall. {smile}”

**Study Tips:** I've posted many of my recommended resources at <http://scidiv.bellevuecollege.edu/gj>. For more study tips, feel free to talk with me or an advisor (<http://bellevuecollege.edu/resources/services>), and surf the web for information posted at other colleges' websites. Your classmates are another great source of ideas - I encourage everyone to use the Study Strategies discussion board in the course site.

**For Assistance:** I encourage you to ask your classmates for assistance, by posting a message to the appropriate Discussion Board within the course's Blackboard site (e.g., post to the Labs board for a lab-related question). You are also encouraged to form a study group, websurf for information, and use other resources at Bellevue College and elsewhere. ***Work cooperatively, so long as everyone does her or his own work (do not divide it up in any way nor share answers).*** Most quarters, the

college provides a Science Study Center (S-114) as well as Math, Reading, and Writing Labs and academic tutoring (D-204). We have a library with excellent staff and resources (D-126). Feel free to ask college staff for guidance on resources available on campus, online, or locally. Plus, I'm here to help – Please ask. :-) I can meet students by MSN Messenger by appointment or anytime you see me online there, or you may Vista-Mail me if it's confidential. I will try to get back to you within 48 hours (generally sooner). I have family and community obligations, and teach other classes, so I am not available “24/7”.

**Web Work:** You will need to be online **DAILY** (? days a week) in our course's Blackboard site. I will update the site frequently, and thus you must check frequently. I will post course readings and assignments, the required PowerPoint files, hints on labs, etc to the site, and you need to be able to use Google or other search engines to find additional information related to the course material. Please let your classmates and me know of any sites that you find useful and/or interesting!

**Email and IM:** We need to be able to reach each other promptly. *After the course's Blackboard site*, email and instant messaging (IM) are the easiest ways to do this. They increase our interaction potential, and decrease my response time to your questions. I will be contacting the class frequently (including on weekends sometimes), so be sure to check your accounts DAILY (? days a week). Computers with email access are available on campus and at many public libraries. For IM, I use MSN Messenger, free for Macs or PCs. So that we know we have working email addresses for each other, one of your first assignments will be to send part of your Biography assignment to me by email. College policy now requires that students use their Bellevue College student email account rather than a personal email account. Be sure the subject line of all non-Vista emails to me this quarter includes:

**WHAT THE EMAIL IS ABOUT! and Oc101Online and YOUR INITIALS**

If it doesn't, your message will probably be spam-filtered; I will not receive it!

Example (if your initials are RJV): Lab 1 question - RJV Oc101Online

**Technical Issues:** I am not a computer maven... If you have any technical (computer, internet, Blackboard, etc) questions, please contact Bellevue College Distance Education (<http://bellevuecollege.edu/distance>) and cc: me. You are responsible for having the correct software and equipment to complete the course and to solve any local computer problems that may arise -- See the Getting Started section in Blackboard site for course-specific requirements, in addition to the Minimum Equipment and Skills page (<http://bellevuecollege.edu/distance/skills.asp>). You are also responsible for backing up your work and keeping it safe -- Digital work is easily lost due to equipment failure, accidental erasure, or other unforeseen circumstances. **Such issues are up to you to resolve, and will not be a valid reason for an extension of a deadline.** So don't wait for the last minute to do your assignments. Please have at least two “backup plans” just in case! Our college has excellent computing facilities on campus, most quarters days/nights/weekends -- Many public libraries, community centers, and friends/relatives do also.

<b>Grades:</b>	Exams and quizzes	380 pts	95-100%+ = <b>A</b> (4.0); 90-94% = <b>A-</b> (3.7); 87-89% = <b>B+</b> (3.3); 83-86% = <b>B</b> (3.0);
	Labs	250 pts	80-82% = <b>B-</b> (2.7); 77-79% = <b>C+</b> (2.3); 73-76% = <b>C</b> (2.0); 70-72% = <b>C-</b> (1.7);
	<u>Q&amp;As and other</u>	<u>270 pts</u>	68-69% = <b>D+</b> (1.3); 65-67% = <b>D</b> (1.0); 0-64% = <b>F</b> (0.0).
	Total	900 pts	

- **Important:** It is in your own best interest to keep all graded work an instructor returns to you until final course grades are distributed. Returned work is your only proof of graded material if you question your grade. Also, keep track of your grades on an ongoing basis (see the last page of this syllabus). If you're not sure why you got a particular grade, it is your responsibility to first try to figure out why: Review the assignment instructions, and reread your submission with a fresh eye, in terms of both content and style. Then feel free to talk with me.
- **ON-TIME POLICY:** All graded work must be submitted **before** the assigned deadlines and will not be accepted late. Earlier is better! Plan ahead, and build in extra time “just in case”. Graded work cannot be turned in late or made up except with my prior permission, for extraordinary cause (with written note from doctor or supervisor). So please don't ask for an exception unless you have exceptional cause. Assignments posted or sent incorrectly will also receive a zero. Please ask well in advance of the deadline if assignment instructions or due dates are at all unclear.
- **Withdrawing from a BC class:** It is up to you to decide whether or when to drop a class. Hardship withdrawals (“HW”) are only for documented cases of extenuating circumstances occurring after the “W” deadline. Incompletes (“I”) are only for unforeseen situations beyond the student's control.

**Reading Assignments and Weekly “Q&As”:** In general, readings are due by the start of each week. Post any questions you have about the week's readings for clarification and discussion, in our Blackboard course site. Before midnight on the assigned day, you will post a Q&A summary paper of the assigned readings, with at least 4 questions based them -- Several days later you will post a well-researched answer to one question posted by a classmate. (Instructions and deadlines are posted in the week-by-week Assignments & Lectures section of the Blackboard course site.) Late Q&As will receive a zero.

**Exams and Quizzes:** Each week there will be one or more tests -- a short quiz and/or a longer, more comprehensive exam. You will take those tests online, via the Blackboard course site. They are “open book, open notes”, but NOT “open friend”. Exams will not be particularly cumulative, although you will have to remember enough information from previous sections to be able to fully understand and discuss the new material. Each test may include questions relating to the readings and labs, videos, assignments, etc. I'll expect you to understand both “big-picture” concepts and very specific material. Even though the quizzes and exams are open book,

you will need to study for them before you view them! The tests are diagnostic tools; a good score generally means that you are keeping up with the course material. Quizzes and exams will be posted online for a period of about 3 days, and must be completed within a particular amount of time (e.g., 10 minutes for most quizzes, 2 hours for exams). Furthermore, they can only be opened one time, so once you start a test you must complete it. **It is up to you to keep track of your elapsed time -- Don't cut it close** -- Penalties will be assessed for going over the time limit, even by a second or two; take electronic transmission times into account. The tests are accessible via the "Quizzes & Exams" or "Assessments" sections of the Blackboard course site. They will be due before midnight on the specified dates. Late quizzes and exams will receive a zero.

**Lab Assignments:** Lab is a fundamental part of this course; you cannot pass the class if you do not do the labs! Labs help connect textbook concepts with the "real world". You will complete about ten labs. Background information you will need to complete the lab assignments are in your textbook, in the lab manual, and posted/linked to Blackboard. I encourage you to use the web and find additional information sources! Work the lab questions in your lab manual, type them up in a word-processing program, edit and proofread, then copy and paste your final answers to the Lab Submission Form, an online form which is linked to the Assignments & Lectures section of the Blackboard course site. (**NOTE: I am in the process of switching the Lab Submission Forms over to a Blackboard "assessment form" format. Please check the course site for updates.**) On each lab, you must show all your work (calculations, units, etc) and explain your answers fully and clearly, step by step. **Do not divide up the work in any way, share your answers, or copy anyone else's thoughts or wordings.** Late labs will receive a zero, so be sure that they are received before the deadlines.

**Other Assignments:** To help you learn the material, strengthen your critical thinking skills, and interact with your classmates, there will be several additional assignments that don't fall under the categories above. They will be submitted via the appropriate Discussion Board, unless otherwise noted. These assignments are described individually in the Assignments & Lectures section of the website. Be sure to keep track of their instructions and due dates. Late work, and submissions posted/sent incorrectly (e.g., to the wrong Discussion Board), will receive a zero.

**Professionalism (Writing Expectations, Assistance, Honesty):** Good communication skills are as important in oceanography (and other sciences) as they are in other disciplines. You have to be able to get across your ideas clearly, accurately, and completely, with sources cited. All work must be written well and submitted in a neat, professional manner. Use these Universal Intellectual Standards: <http://www.criticalthinking.org/articles/universal-intellectual-standards.cfm>. Proofread all work carefully for typographical and spelling errors, and read it for grammar, flow, and sense! (Most quarters, Bellevue College provides Reading and Writing Labs with extended hours.) Save a copy of your work, just in case. Also, I expect all students to act with integrity. I am a trusting person, and believe most people are honest -- **Don't abuse that trust by cheating, lying, or blaming** (believe me, I've seen it all). The Science Division policy on cheating is below.

**Extra Credit:** Please focus on learning the required material -- It "pays off" more than doing lots of extra credit late in the quarter. However, I have found that interacting actively with course material and applying it to "the real world" is a key study habit for successful students. Therefore, I offer several extra-credit options. These options are: (1) field trip; (2) article/movie review; (3) optional lab; (4) local lecture analysis. (1) Attend a field trip and submit a report. Each student must return a signed Field Trip Waiver Form during the first week of the quarter, in case you decide to go on a field trip during the quarter (in Washington or elsewhere). (2) Write a review of a current-events article, local lecture, or movie: Find a recent article of oceanographic interest (or attend a lecture or view an educational movie or TV program), and write a typed summary & analysis of the science content, making sure to relate it to concepts you have learned in class. (3) I may also offer optional labs. (4) If other opportunities arise, I may offer extra credit for participating and presenting a summary & analysis. Let me know if you have ideas.

• **NOTE:** The maximum extra credit you may receive for the course is 3%. This is uncommonly generous, so exceptions will not be granted. I do not allow any other type of extra credit, nor make-up options for missed or deficient work. All extra credit must be done by the end of Week 6 of the quarter.

**Science Division Policy on Cheating: CHEATING IS STEALING.** You, the student, are expected to conduct yourself with integrity. If you cheat\*, or aid someone else in cheating, you violate a trust. If you cheat, the following actions will be taken:

- You **will** receive a grade of "0" on the work (exam, lab, assignment, etc.), where the cheating occurred. This grade cannot be dropped.
- A report of the incident **will** be sent to the Dean of Student Services. The Dean may file the report in your permanent record or take further disciplinary action such as suspension or expulsion from the college. If you feel you have been unfairly accused of cheating, you may appeal. (For a description of due process, see WAC 132H-120.)
  - Ⓢ Cheating includes, but is not limited to: Providing or copying answers on tests, labs, or other assignments; glancing at nearby tests; swapping papers; stealing, plagiarizing, and illicitly giving or receiving help on any assignment. **You must each do all of your own work, and cite all of your sources.** For more information on plagiarism, see the Bellevue College Writing Lab or Dean.
- Much cheating and plagiarism is unintentional, but **"ignorance of the law is no defense"**. And, the Bellevue College Science Division policy on plagiarism and other forms of cheating is clear (see above). Therefore, I require you to read and study all of the information entitled "Avoiding Plagiarism, or How to Use Source Information Properly" at <http://www.bellevuecollege.edu/writinglab/plagiarism.html> and **PRINT OUT the PDF version**. It applies to all courses, so it is important to keep it handy for your reference. If you're at all unclear on what cheating entails (e.g., plagiarism, group work), please ask (far enough in advance to allow a reply).

## ONLINE Oceanography 101 Calendar -- Winter 2012

*Additional work may be assigned during the quarter and/or dates shifted.*

*Field trip dates (optional) are currently TBD.*

Week #	Dates (Sun-Sat)	Readings	MONDAY	TU	WEDNESDAY	TH, FR	SATURDAY
1	Jan 1 - Jan 7	Theme A: Ch. 1 & 2	<b>Welcome!</b>				<ul style="list-style-type: none"> <li>• Quiz 1 (Ch.1,2) (10 pts)</li> <li>• Lab 1 (25 pts)</li> <li>• Q&amp;A 1A (10 pts)</li> <li>• Biography A&amp;B (10 pts)</li> </ul>
2	Jan 8 - Jan 14	Theme B: Ch. 3 & 4			<ul style="list-style-type: none"> <li>• Q&amp;A 1B (10 pts)</li> <li>• XC Virtual Quake</li> </ul>		<ul style="list-style-type: none"> <li>• Quiz 2 (Ch.3,4) (10 pts)</li> <li>• Lab 2 (25 pts)</li> <li>• Q&amp;A 2A (10 pts)</li> <li>• Scientific Method (20 pts)</li> </ul>
3	Jan 15 - Jan 21	Theme C begins: Ch. 5 & 11			<ul style="list-style-type: none"> <li>• Q&amp;A 2B (10 pts)</li> <li>• XC Virtual Dating</li> </ul>		<ul style="list-style-type: none"> <li>• Quiz 3 (Ch.5,11) (10 pts)</li> <li>• Lab 3 (25 pts)</li> <li>• Q&amp;A 3A (10 pts)</li> </ul>
4	Jan 22 - Jan 28	Theme C continues: Waves/Coasts			<ul style="list-style-type: none"> <li>• Q&amp;A 3B (10 pts)</li> </ul>		<ul style="list-style-type: none"> <li>• Exam 1 (Ch.1,2,3,4,5,11,Waves/Coasts) (100 pts)</li> <li>• Lab 4 (25 pts)</li> <li>• Q&amp;A 4A (10 pts)</li> </ul>
5	Jan 29 - Feb 4	Theme D: Ch. 6			<ul style="list-style-type: none"> <li>• Q&amp;A 4B (10 pts)</li> </ul>		<ul style="list-style-type: none"> <li>• Quiz 4 (Ch.6) (10 pts)</li> <li>• Lab 5 (25 pts)</li> <li>• Q&amp;A 5A (10 pts)</li> </ul>
6	Feb 5 - Feb 11	Theme E: Ch. 7 & 8			<ul style="list-style-type: none"> <li>• Q&amp;A 5B (10 pts)</li> <li>• No classes</li> </ul>		<ul style="list-style-type: none"> <li>• Quiz 5 (Ch.7,8) (10 pts)</li> <li>• Lab 6 (25 pts)</li> <li>• Q&amp;A 6A (10 pts)</li> </ul>
7	Feb 12 - Feb 18	Theme F: Ch. 9 & 10, Tsunami	<ul style="list-style-type: none"> <li>• AIT* Part I (pre-viewing questions)</li> </ul>		<ul style="list-style-type: none"> <li>• Q&amp;A 6B (10 pts)</li> <li>• AIT* Part II (watch film)</li> </ul>		<ul style="list-style-type: none"> <li>• Quiz 6 (Ch.9,10,Tsunami) (10 pts)</li> <li>• Lab 7 (25 pts)</li> <li>• Q&amp;A 7A (10 pts)</li> </ul>
8	Feb 19 - Feb 25	Theme G: Ch. 15	<ul style="list-style-type: none"> <li>• AIT* Part III (reflection)</li> </ul>		<ul style="list-style-type: none"> <li>• Q&amp;A 7B (10 pts)</li> </ul>		<ul style="list-style-type: none"> <li>• Exam 2 (Ch.6,7,8,9,10,Tsunami) (100 pts)</li> <li>• Lab 8 (25 pts)</li> <li>• Q&amp;A 8A (10 pts)</li> </ul>
9	Feb 26 - Mar 3	Theme H begins: <u>1st part Ch. 12,13,14*</u>	<ul style="list-style-type: none"> <li>• AIT* Part IV (response)</li> </ul>		<ul style="list-style-type: none"> <li>• Q&amp;A 8B (10 pts)</li> </ul>		<ul style="list-style-type: none"> <li>• Quiz 7 (Ch.15 + 1st part Ch.12,13,14*) (10 pts)</li> <li>• Lab 9 (25 pts)</li> <li>• Q&amp;A 9A (10 pts)</li> </ul>
10	Mar 4 - Mar 10	Theme H continues: <u>2nd part Ch. 12,13,14*</u>			<ul style="list-style-type: none"> <li>• Q&amp;A 9B (10 pts)</li> </ul>		<ul style="list-style-type: none"> <li>• Quiz 8 (2nd part Ch.12,13,14*) (10 pts)</li> <li>• Lab 10 (25 pts)</li> <li>• Q&amp;A 10A (10 pts)</li> </ul>
11	Mar 11 - Mar 17	(no new readings)			<ul style="list-style-type: none"> <li>• Exam 3 (Ch.12,13,14,15) (100 pts)</li> <li>• Q&amp;A 10B (10 pts)</li> <li>• XC Lab 11</li> </ul>		

\* AIT = *An Inconvenient Truth* (film) (20 pts)

\*\* You will be tested on Ch. 12,13,14 (marine biology) based on the division of topics in my PowerPoints:

Quiz 7 covers my Marine Biology PPTs 1 & 2 = Ch. 12 (plus Ch. 15) and related readings;

Quiz 8 covers my Marine Biology PPTs 3 & 4 = Ch. 13 & 14 and related readings.

## ONLINE Oceanography 101 - GRADING (subject to modification) - Winter 2012

EXAMS AND QUIZZES:	Max. Pts.	YOUR PTS.	Notes for improvement:
Exam #1 .....	100	_____	
Exam #2 .....	100	_____	
Exam #3 .....	100	_____	
Quiz #1..... 10	_____	Quiz #5..... 10	_____
Quiz #2..... 10	_____	Quiz #6..... 10	_____
Quiz #3..... 10	_____	Quiz #7..... 10	_____
Quiz #4..... 10	_____	Quiz #8..... 10	_____

LABS:	Max. Pts.	YOUR PTS.	Notes for improvement:
Lab #1: Marine Charts and Navigation .....	25	_____	
Lab #2: Sea-Floor Spreading, Plate Tectonics, & Marine Geography .....	25	_____	
Lab #3: Materials of the Seafloor .....	25	_____	
Lab #4: Coastal Processes .....	25	_____	
Lab #5: Temperature and Salinity.....	25	_____	
Lab #6: Surface Currents .....	25	_____	
Lab #7: Tides.....	25	_____	
Lab #8: Oil Spills.....	25	_____	
Lab #9: Food Webs and Trophic Levels.....	25	_____	
Lab #10: Intertidal Marine Life.....	25	_____	
Lab #11: Whale Evolution.....	(Optional: Replaces lowest lab score)	_____	

Q&As AND OTHER:	Max. Pts.	YOUR PTS.	Notes for improvement:		
Q&A #1 .....	20	_____	Q&A #6 .....	20	_____
Q&A #2 .....	20	_____	Q&A #7 .....	20	_____
Q&A #3 .....	20	_____	Q&A #8 .....	20	_____
Q&A #4 .....	20	_____	Q&A #9 .....	20	_____
Q&A #5 .....	20	_____	Q&A #10.....	20	_____
Biography Assignment.....	10	_____			
Scientific Method Assignment.....	20	_____			
<i>An Inconvenient Truth</i> Assignment.....	20	_____			
Other/Discretionary .....	20	_____			

<b>Exams and Quizzes</b>	<b>380</b>
<b>Labs</b>	<b>250</b>
<b>Q&amp;As and Other</b>	<b>270</b>
<b>Total:</b>	<b>900</b>