# BI150 - Ocean Planet: A User's Guide --- Course Outline

Professor Michelle Wood - miche@uoregon.edu --- Office Hours Thursday 9:15-11 - 475 Onyx  
GTF - Kory Plakos(kplakos@uoregon.edu) - 3-4PM Tuesday - 171 Onyx  
GTF - Geoffrey Johnson (gmj@uoregon.edu) 12-1 Wednesday - 360 Onyx  
GTF - Marco Coralles (marcoc@uoregon.edu) 1-2PM Friday - 473 Onyx (except April 10, 8-9 on April 10)  
Undergrad Asst - Jenessa Dragovich (jenessa@uoregon.edu)

<table>
<thead>
<tr>
<th>WEEK</th>
<th>TOPIC</th>
<th>RELEVANT READINGS AND ASSIGNMENTS -Readings Subject to Change after Week 2 See Blackboard Site &amp; Announcements</th>
</tr>
</thead>
</table>
| **Week 1** | Meet the Ocean Planet | Lect 1 Meet the Ocean Planet  
Lect 2 Waves and Tides  
Discussion The Magnificent Pacific NW  
| | C&H, pp. 22-34 | Beneath The Emerald Sea, Nature Video (shown in class) |
| **Week 2** | Life in an Intertidal Mussel Bed | Lect 1 Major Players  
Lect 2 Stresses and Colonization  
Discussion Using Field Guides  
SAT, APRIL 11 Oregon Coast Aquarium and Cape Perpetua  
SUN, APRIL 12 Oregon Coast Aquarium and Cape Perpetua  | Harbo, Chs. 1,2,5,6; Plants & Animals Oregon’s Rocky Shores  
C&H Remainder of Ch. 11; | HARBO, FRONT MATERIAL AND WORKSHEET FROM WEEK 1 | REQUIRED FIELD TRIP | REQUIRED FIELD TRIP |
| **Week 3** | Field-Trip Followup | Lect 1 Scientific Classification - Field Trip Critters  
Lect 2 Intertidal Studies Continued  
Disc 3 Tides and Tide Tables  | Seabird Brochure & Chapter from Schultz -Writing Asgmt. 1 Available  
| **Week 4** | Diversity and Adaptation | Lect 1 Intertidal Studies Continued  
Lect 2 Expanding to the Tropics and Deep-Sea  
Disc 4 Review Writing Asgmt 1, Exam review  | TBA, Tide Table Worksheet Due in Lecture  
TBA | WRITING ASSGMT DUE IN DISCUSSION |
| **Week 5** | MIDTERM & Case Study I | Lect 1 MIDTERM - NO MAKEUP, WILL USE FINAL IF YOU MISS THIS  
Lect 2 Intro to Salmon  
Disc 5 BONNEVILLE DAM CASE STUDY  | Stansell et al 2013; Marshall 2012 |
| **Week 6** | Case Study I - Cont. | Lect 1 Salmon Fisheries/Bonneville Dam _Fisheries overview  
Lect 2 Endangered Species Act/Marine Mammal Protection Act  | Readings Assigned for discussion, and question #1 Writing Asgmt 1 (Blackboard), Ch. 17 C&H  
Blackboard,  
http://www.nmfs.noaa.gov/pr/laws/esa/,  
| | BONNEVILLE DAM CASE STUDY | Disc 6 FIELD TRIP | Low Tide Expedition -- Optional or Make-up field trip |
| **Week 7** | Case Study II - Marine Protected Areas & fisheries Management | Lect 2 Marine Reserves, Science, and Policy  
Lect 3 Marine Reserve Planning in Oregon  
Disc 9 MARINE RESERVE CASE STUDY  | Science of Marine Reserves, PISCO (2003), Case Study 1 Due  
Lubchenco et al. 2003, Halpern et al. 2003  
http://www.youtube.com/watch?v=RDJgMt19GRi&feature=youtu.be; C&H Ch. 18 as assigned |
| **Week 8** | Case Study II - Marine Protected Areas & fisheries Management | Lect 1 Current Thinking on Marine Reserves  
Lect 2 lecture based on Discussion Input  
Disc 10 MARINE RESERVE CASE STUDY  | TBA based on previous week’s discussion  
TBA, Case Study 2 due |
| **Week 9** | Case Study III - Human Impacts and Dimensions | Lect 1 MEMORIAL DAY  
Lect 2 OIL SPILLS 101 - Deepwater Horizon vs. Exxon Valdez  
Disc 7 HUMAN IMACTS CASE STUDY  | Peterson et al. 2003, TBA on Blackboard  
http://www.oilspillcommission.gov/final-report; Safina 2011 |
| **WEEK 10** | Case Study III - Cont. | Lect 1 Plastics and the Garbage Patch - Ocean Acidification  | TBA, C&H Chs. 1, 18, & 19 As Assigned |
FALL EXAM  
THURSDAY, JUNE 11, 10:15 AM

GRADE COMPONENTS
Participation/Preparation  20%  Each week, there will be written assignments to help prepare for discussion; these, and presence/absence when we take attendance will combine to provide a quality grade for "Participation/Preparation"
Writing Assignment  5%  You can be absent 2X when we take attendance without penalty
Tides Assgmt  5%  
Field Trip  5%  
Case Studies  30%  
Mid-Term  15%  
Final  20%  

TEXTBOOKS
OCEAN PLANET - BI150 Readings from Castro and Huber
HARBO - Whelks to Whales
Optional field key sheet
All other readings will be posted on Blackboard or provided in class