MARS 1020 Biology of the Marine Environment

Spring 2015

12/05/2015

PROFESSOR:

Dr. Brian Binder
706-542-6408
bbinder@uga.edu

Office Hours *(note the different rm numbers!)*:
Mon 3:00-4:00 Marine Sci. rm 212
Thurs 10:30-11:30 Marine Sci. rm 290A
or by appointment (please email or call)

LAB COORDINATOR:

Dr. Catherine Teare Ketter
Marine Sciences Bldg rm. 110J
706-583-0862
cmscatk@uga.edu

Office Hours:
Please see the MARS 1020L Syllabus

CLASS MEETINGS:

Lectures: Mon., Wed., Fri. 1:25 – 2:15 Miller Learning Center rm. 102
Labs: (as scheduled) Marine Sciences Bldg rm. 139

TEXTS:

Castro & Huber, Marine Biology (9th ed.) (8th ed. is OK)
Wisehart, Rempala, & Leboffe, A Photographic Atlas of Marine Biology

GRADING:

Exams = 60% of course grade

Exams may cover material from lectures, assigned readings, and labs. Generally speaking, material covered in lectures is emphasized.

Exam 1	15%	covering 1st quarter of the course (see Class Schedule)
Exam 2	15%	covering 2nd quarter of the course (see Class Schedule)
Exam 3	15%	covering 3rd quarter of the course (see Class Schedule)
Final Exam	15%	covering final quarter of the course (see Class Schedule)

Labs = 40% of course grade (Attendance is mandatory – see MARS 1020L Syllabus)

See MARS 1020L Syllabus for Lab grading policies.

Letter-Grades: The following is a general guide for letter-grade assignment in this course. The exact correspondence between calculated number grades (see above) and assigned letter-grades is at the discretion of the course professor.

		89.99 – 87.00	B+	79.99 – 77.00	C+	69.99 – 60.00	D
100 – 93.00	A	86.99 – 83.00	B	76.99 – 73.00	C	< 60.00	F
92.99 – 90.00	A-	82.99 – 80.00	B-	72.99 – 70.00	C-		

ON-LINE RESOURCES:

Updated class schedule and readings, lecture notes (when available), exam grades, and administrative information will be posted on eLC. Note that there is a separate eLC page for the Lecture (MARS 1020) and for the Lab (MARS1020L).

To log onto eLC go to: https://uga.view.usg.edu/. If you are registered for the course, MARS1020 and MARS1020L should be shown on your course list. If this is not the case, contact Dr. Binder and/or Dr. Teare-Ketter.

MAKE-UP EXAM AND EXTRA CREDIT POLICIES

Make-up exams will be offered only in cases of serious medical or other personal emergencies that prevent a student from taking the regularly scheduled exam. Any student who finds him/herself in this situation should contact Dr. Binder before the regularly scheduled exam if at all possible, and in any case not more than 24 h after the exam. Documentation from a health care provider (in the case of illness), or other sources as appropriate, will be required. The decision to offer a make-up exam is at the sole discretion of Dr. Binder.

No extra credit is available for the lecture/exam part of this course.

See the MARS 1020L syllabus for information concerning make-up and extra credit policies for the lab section of the course.

STUDENTS WITH DISABILITIES:

Students with disabilities who require accommodations in order to participate in course activities or meet course requirements should contact Dr. Binder (Lectures/Exams) and/or Dr. Teare-Ketter (Labs).

COURSE WITHDRAWALS:

Students withdrawing from the course before the semester's withdrawal deadline will be assigned a grade of W. Withdrawals after the deadline are not permitted except in cases of significant personal hardship as determined by the Office of Student Services. See the UGA Withdrawal Policy for further information (http://www.reg.uga.edu/policies/withdrawals).

ACADEMIC HONESTY:

As a University of Georgia student, you have agreed to abide by the University' s academic honesty policy, "A Culture of Honesty," and the Student Honor Code. All academic work must meet the standards described in "A Culture of Honesty" found at: https://ovpi.uga.edu/academic-honesty/academic-honesty-policy. Lack of knowledge of the academic honesty policy is not a reasonable explanation for a violation. Questions related to course assignments and the academic honesty policy should be directed to the instructor.

Honesty is fundamental to everything we do at the University: all meaningful learning and research is predicated on academic honesty. UGA defines Academic Honesty as "performing all academic work without plagiarism, cheating, lying, tampering, stealing, receiving unauthorized or illegitimate assistance from any other person, or using any source of information that is not common knowledge." Academic dishonesty harms and degrades your classmates and teachers, and it ultimately harms and degrades you. If you have any questions regarding what constitutes honest or dishonest behavior, Dr. Binder, Dr. Teare Ketter, and your TAs stand ready to discuss these issues with you – please feel free to contact any of us.

Suspected cases of academic dishonesty will be pursued vigorously, according to the policies outlined in "A Culture of Honesty." Consequences for honesty violations can range from a 0 on the affected work, to an F for the course, to expulsion from the University. **Do not risk your academic future!**

CELL PHONES AND OTHER PERSONAL ELECTRONIC DEVICES:

Cell phones should be silenced during lecture and lab class periods. Please be considerate of your fellow classmates and your instructor, and don't engage in phone conversations or texting during class. If you receive an emergency phone call, please conduct your conversation outside of the lecture hall or lab room.

Laptops are currently permitted during lectures, but their use should be restricted to appropriate class-related activities (e.g. note-taking). Laptop use in the classroom is a privilege, not a right, and this privilege may be revoked if it is abused.

During exams, the use of cell phones, laptops, and all other personal electronic devices is expressly prohibited.

SYLLABUS DISCLAIMER

This course syllabus is a general plan for the course; deviations announced to the class by the instructor may be necessary.

Updated lecture schedules and other changes will be announced in class and posted on eLC as necessary. Information posted on eLC takes precedence over all previous information.

LECTURE SCHEDULE
with Readings from 9th Edition

Subject to Change! (Check eLC periodically for updates) **Last Updated:** *1/05/15*

Date		Topic	Readings (Castro & Huber) – 9th ed.
5-Jan	Mon	Introduction	Ch. 1
7-Jan	Wed	Ocean Basins; Marine Habitats	Ch. 2; Ch. 10: 220-221
9-Jan	Fri	Seawater Chemistry; Water Column	Ch. 3: 40-48, 52-55
12-Jan	Mon	Ocean Currents	Ch. 3: 48-55
14-Jan	Wed	Tides & Waves	Ch. 3: 55-62
16-Jan	Fri	Chemical Building Blocks of Life	Ch. 4: 64-66
19-Jan	Mon	Martin Luther King, Jr. Day	
21-Jan	Wed	Genetics & Biotechnology	Ch. 4: 76-78
23-Jan	Fri	Classification of Life	Ch. 4: 68-71, 79-83
26-Jan	Mon	Evolution (1)	Ch 4: 73, 78-80; Ch. 9: 191;
28-Jan	Wed	Evolution (2)	Ch. 10: 212-213
30-Jan	Fri	Marine Primary Producers	Ch. 5: 93-100; Ch 6
2-Feb	Mon	**Exam-1 (covers 1/5 -1/28)**	
4-Feb	Wed	Marine Primary Producers (2)	"
6-Feb	Fri	Marine Bacteria & Viruses	Ch 5: 85-93
9-Feb	Mon	Photosynthesis & Respiration; Food Webs	Ch. 4: 66-68; Ch. 10: 221-229
11-Feb	Wed	Adaptations to Life in the Sea	Ch 4: 71-76; Ch 8:164; Ch 15:341-343
13-Feb	Fri	Marine Invertebrates (1)	Ch. 5: 97-100; Ch. 7
16-Feb	Mon	Marine Invertebrates (2)	Ch. 7 (cont.)
18-Feb	Wed	Marine Invertebrates (3)	"
20-Feb	Fri	*To be announced*	
23-Feb	Mon	Marine Invertebrates (4)	"
25-Feb	Wed	Marine Invertebrates (5)	"
27-Feb	Fri	Marine Fishes (1)	Ch. 8; Ch. 15: 344-347
2-Mar	Mon	**Exam-2 (covers 1/30 - 2/25)**	
4-Mar	Wed	Marine Fishes (2)	"
6-Mar	Fri	Marine Fishes (3)	"
9-Mar – 13-Mar		SPRING BREAK	
16-Mar	Mon	Marine Reptiles & Birds (1)	Ch. 9: 177-186
18-Mar	Wed	Marine Reptiles & Birds (2)	"
20-Mar	Fri	Marine Mammals (1)	Ch. 9: 186-209
23-Mar	Mon	Marine Mammals (2)	"
25-Mar	Wed	Marine Mammals (3)	"
27-Mar	Fri	Salt Marshes & Mangroves	Ch 6:112-113 (rvw); Ch. 12
30-Mar	Mon	Rocky Intertidal	Ch. 11
1-Apr	Wed	Marine Pollution – Eutrophication	Ch. 18: 409-10; Ch 10:237-38; Ch 15:338-39
3-Apr	Fri	**Exam-3 (covers 2/27 - 3/30)**	
6-Apr	Mon	Marine Pollution – Toxins	Ch. 18: 411-417, 423
8-Apr	Wed	Coral Reefs	Ch. 14; Ch. 18: 407-408
10-Apr	Fri	Marine Fisheries (1)	Ch. 17
13-Apr	Mon	Marine Fisheries (2)	" ; 239-242
15-Apr	Wed	Oceanic Surface, El niño	Ch. 15: 332-341, 348-354,357-359
17-Apr	Fri	Deep-Sea Communities	Ch. 16: 361-379
20-Apr	Mon	Hydrothermal Vent Communities	Ch 16: 379-381
22-Apr	Wed	Oceanography (Photo-expedition)	
24-Apr	Fri	Oceans & Global Climate Change (1)	Ch. 10: 231-239
27-Apr	Mon	Global Climate Change (2)	"
29-Apr	Wed	**Final Exam (covers 4/1 – 4/27) 12:00 – 1:00 PM**	