MARS3450 2021 – Semester at Sapelo
LECTURE SCHEDULE

This syllabus is a general plan for the course; deviations may be necessary and will be announced to the class by the instructor. Reading assignments are intended to augment the lecture.

	Date		Lecture Topic	Optional Readings (in Levinton, 2018)	Lab Topic
			I. THE MARINE ENVIRONMENT		
Mon	Jan 25	am	The Physical & Geological Environment	pp. 13-30	Invertebrates survey – marsh, dock
		pm	Salts, Gases & Nutrients	pp. 211-219, 222-225	Limiting nutrients, Safety training
			II. MARINE ORGANISMS		
Tues	26	am	Primary Producers I	pp. 147-149, 243-250, 260-267	Plankton tows, microscopy
		pm	Primary Producers II	pp. 200-208, 230-233	Chlorophyll I
Weds	27	am	Zooplankton	pp. 149-158, 126-143	Chlorophyll II
		pm	Marine Invertebrates I	pp. 159-161, 268-296	Larval sampler I
Thurs	28	am	Marine Invertebrates II		Invertebrates survey - beach
		pm	No afternoon lecture		Optional Q&A, Invertebrate IDs
Mon	Feb 1	am	**Exam 1**		Optional Q&A
		pm	Nekton I	pp. 161-171	Nekton trawl
Tue	2	am	Nekton II	pp. 171-179, 186-187	Nature photography
		pm	Seabirds	pp. 179-186	Sapelo seabirds
Weds	3	am	Microbes and Food Webs	pp. 145-149, 233-234, 239-243	Plankton interactions I
			III. MARINE HABITATS		
		pm	Kelp Ecosystems	pp. 375-382	Benthic infauna
Thur	4	am	Seagrasses and Hardbottom Reefs	pp. 361-370	Plant survey I
		pm	Coral Reefs	pp. 382-407, 420-423	Plant survey II
Mon	8	am	No morning lecture		Optional Q&A
		pm	**Exam 2**		
Tue	9	am	Salt Marshes, Mangroves	pp. 341-352	Salt marsh zonation
		pm	Beaches & Mud Flats	pp. 335-359	
Weds	10	am	Rocky Intertidal	pp. 317-334	Plankton interactions II
		pm	Pelagic Deep Sea	pp. 192-197, 201-210, 431-432	
Thur	11	am	Benthic Deep Sea/Hydrothermal Vents	pp. 410-418, pp. 425-431	Critical tide factors
		pm	Coastal Ecosystems Comparison		
Mon	15	am	No morning lecture		Optional Q&A
		pm	**Exam 3**		Plankton Interactions II
			IV. LIFE IN THE SEA		
Tue	16	am	Species Diversity	pp. 452-461	Tidal rhythms lab I
		pm	Chemical Ecology		Chemosensory behavior lab
Wed	17	am	Social Behavior & Symbiosis		Larval sampler II
		pm	Migration & Navigation	pp. 197-201	Tidal rhythms lab II
Thur	18	am	No morning lecture		Optional Q&A
		pm	**Exam 4**		Lab clean-up

MARS3450 2021 – Semester at Sapelo
Course Information Sheet

INSTRUCTOR

Dr. Mary Ann Moran
mmoran@uga.edu
706-296-3694

GRADING POLICY

Three exams and a non-cumulative final will be given, each of which will count for 23% of the course grade.

In-class activities count for the remaining 8% of the course grade, consisting of grades for active learning exercises.

The following is a general guide for letter-grade assignment in this course. The exact correspondence between calculated number grades and assigned letter-grades is at the discretion of Dr. Moran, but grade cutoffs will not be higher than indicated here (for example, the cutoff for an A- could be lower than 90, but will not be higher).

100 – 93.00	A	89.99 – 87.00	B+	79.99 – 77.00	C+	69.99 – 60.00	D
		86.99 – 84.00	B	76.99 – 74.00	C	< 60.00	F
92.99 – 90.00	A-	83.99 – 80.00	B-	73.99 – 70.00	C-		

ATTENDANCE

You must be in class to participate in an activity, and these cannot be made up.

Students are not allowed to make up missed exams. *However, unavoidable circumstances and serious health issues will be considered if you contact Dr. Moran BEFORE the exam and fully document the situation*.

TEXTBOOK (NOT REQUIRED, BUT A GOOD REFERENCE)

Marine Biology, Function, Biodiversity, and Ecology. 5th edition, Jeffrey S. Levinton. Oxford University Press. ISBN 978-0-19-985712-8. 2014.

ELECTRONICS USE POLICY

Please refrain from using your phone during class and use your computer only for lecture related activities.

ACADEMIC HONESTY POLICY

All academic work must meet the standards contained in UGA's "A Culture of Honesty" policy. Students are expected to follow the UGA Student Honor Code: "I will be academically honest in all of my academic work and will not tolerate academic

dishonesty of others." The University's policy and procedures for handling cases of suspected dishonesty can be found at honesty.uga.edu.

STUDENTS WITH DISABILITIES

Students with disabilities who require accommodations in order to participate in course activities or meet course requirements should contact Dr. Moran.

COURSE OBJECTIVE

To become familiar with marine organisms and the ecological interactions that occur within major marine environments.

EXPECTED LEARNING OUTCOMES

1. Students will be familiar with marine organisms, including microbes, plants, and animals.
2. Students will be familiar with how marine organisms function within coastal and oceanic marine ecosystems.
3. Students will be familiar with how marine organisms interact with each other and their environment.
4. Student mastery of the material will be measured by 3 exams, 1 final, and in-class activities/quizzes.

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

MARS3450L 2021 – Semester at Sapelo
Course Information Sheet

INSTRUCTOR
Dr. Mary Ann Moran
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706-296-3694

GRADING POLICY

Grades will be determined by evaluation of lab reports.

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3. Students will be familiar with how marine organisms interact with each other and their environment.
4. Student mastery of the material will be measured by laboratory reports.

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