

Dive Deep!

Calling All Marine Biologists to Be!

Grades:	5th – 8th
Day of Week:	Monday
Time of Class:	1:00 pm – 2:30 pm ET
Length of Class:	20 weeks
Semester:	Fall 2023 & Winter 2024
Tuition:	\$400.00

Class Dates:

Week 1: Week of September 11

Week 2: Week of September 18

No classes from September 25 – October 6, 2023 – Jewish Holidays

Week 3: Week of October 9

Week 4: Week of October 16

Week 5: Week of October 23

Week 6: Week of October 30

Week 7: Week of November 6

Week 8: Week of November 13

No classes from November 20 – 24 – Thanksgiving Holidays

Week 9: Week of November 27

Week 10: Week of December 4

Make-Up Days: Week of December 11

Week 11: Week of January 8

Week 12: Week of January 15

Week 13: Week of January 22

Week 14: Week of January 29

Week 15: Week of February 5

Week 16: Week of February 12

Week 17: Week of February 19

Week 18: Week of February 26

Week 19: Week of March 4

Week 20: Week of March 11

Make-Up Days: Week of March 18

Instructor's Name: Sarah Pope
Instructor's Email: Sarah@ebbingtides.com
Instructor's Phone: 757-567-4601
Instructor's Whats App: 757-567-4601

Description of Class:

If you love the creatures of the sea, then you will love this class! This is an introductory course for students that are interested in understanding the Marine environment. We will explore all marine organisms from the shores to the trenches. As well as cover marine habitats, their physical and behavioral characteristics, and adaptation they have to live in their marine environment. So if you're crazy about coral or love lobsters, then sign up for Dive Deep! Calling All Marine Biologists to Be!

Class Approach:

This is an interactive, hands on class. Students will be required to read, take notes, make and apply concepts discussed in class with unit projects. Each unit project allows students to dive deep in to their understanding of marine ecology, animal adaptations, marine invertebrates and marine vertebrates.

Goals:

Life in the marine environment can be both familiar and other worldly. The goal for this class is to acquaint you with the organisms that call the ocean home. From microscopic plankton to giant blue whales, you will learn all about these amazing creatures.

Textbook:

Instructor will provide all learning materials.

Additional Supplies/Resources Needed:

- Computer
- Printer
- Headset
- Microphone
- Microsoft word
- Notebook
- Pen/pencil
- Highlighter

- Shoe box
- Magazines
- Construction paper
- Scissors
- Markers
- String
- Glue

Requirements:

Each student is responsible for attending the weekly classes, completing all online assignments in canvas, as well as participates in discussions and peer review presentations.

Weekly Homework:

Print the note sheets, read the weekly reference material, complete online assignments

Homework Policy:

Student will be required to complete 2-3 hours of homework outside of the weekly classes. Most assignments can be printed and uploaded for grading.

Additional Policies:

You only get what you put into it. Please be engaged, ask questions, and answer the ones in class.

Evaluation:

You will have 2-3 quizzes each month, as well as, graded assignments in canvas, and a final project. There will opportunities for extra credit throughout the course.

- Class Participation – 20%
- Quizzes – 20%
- Notebook and Exercises – 30%
- Projects – 30%

Grading Scale:

Percentages/Grades

- 100-90: A
- 89-80: B
- 79-70: C
- 69-60: D
- 59 – 0: No effort: F

Anticipated Weekly Course Schedule:

Week	Topic
Week 1	Introduction to Marine biology & Ocean Life
Week 2	Ocean Zones

Week	Topic
Week 3	Abiotic factors and Adaptations
Week 4	Ecosystems & Species Interaction
Week 5	Energy Transfer in Marine Ecosystems
Week 6	Ocean Biomes
Week 7	Plankton
Week 8	Porifera
Week 9	Cnidarian
Week 10	Annelida
Week 11	Echinoderms
Week 12	Mollusks: bivalves & gastropods
Week 13	Mollusks: cephalopods
Week 14	Arthropods
Week 15	Chordates & Cartilaginous Fish
Week 16	Boney Fish & Body Plans
Week 17	Marine Reptiles
Week 18	Marine Birds
Week 19	Marine Mammals
Week 20	Final Project Presentations