

MOLLOY UNIVERSITY
GRADUATE EDUCATION

EDU 5900.23 – History of Our New England Waters

- August 5th - August 8th
- 8:00a.m. - 4:00p.m.
- Online Asynchronous

Instructor:

Paul Zaratini
Pzaratin@levittownschools.com

Course Description:

Throughout the duration of this class teachers will explore the rich history of our New England waters. Exploring the past, present and future of maritime navigation, trade and ecology. Participants will also investigate the past, present and future of human impact on our delicate marine environment. Participants will create and implement online lab based activities while teaching various concepts about our northeastern marine environment. These activities focus on connecting concepts identifying the delicate relationship between New England marine organisms, humans, land and the waters in which they live. All participants will embark on a virtual voyage touring various New England marine environments. The final project for all participants will be to create a lesson using information obtained from the course. All grade level teachers are invited as all of the lessons can be adapted for ages K-12. Activities cover NGSS: MS-LS2

Course Learning Objectives:

1. Identify New England biodiversity.
2. Compare Maritime travel methods.
3. Identify and compare human threats and protection.
4. Analyze extinct species cause and effect.
5. Compare and analyze maritime navigation techniques.
6. Create an activity or lesson plan including concepts from this course.

Course Grading:

Discussion # 1 Introduction (5pts)
Module # 1 Marine Organisms (10pts)
Module # 2 Data collection methods (10pts)
Module # 3 Extinction: cause and effect (10pts)
Discussion # 2 Human threats and protection (5pts)
Module # 4 Trade by Sea (10pts)
Module # 5 Maritime Navigation (10pts)
Module # 6 Marine Weather (10pts)
Module # 7 Changing Marine Microclimates (10pts)
Module # 8 Final project lesson plan (20pts)