

# MARINE SCIENCES (MARI)

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# Course numbers with the # symbol included (e.g. #400) have not been taught in the last 3 years.

## **MARI 801 - Coastal Resource Management and Policy Seminar**

**Credits:** 1

Graduate students, faculty and invited presenters will discuss current topics in coastal science, management, and policy, including federal, tribal, state, and municipal policy developments, new scientific findings that might inform management, citizen and community science developments, stakeholder engagement, etc. Primarily focused on SMSOE Graduate Certificate enrollees, this one credit seminar is open to others as space allows. May be repeated barring duplication of subject.

**Repeat Rule:** May be repeated up to unlimited times.

**Grade Mode:** Graduate Credit/Fail grading

## **MARI 802 - Arctic Research Methods I**

**Credits:** 4

This course exposes students to tools and techniques for understanding how changing seasonality impacts cold regions and the Arctic. Training includes building and deploying environmental sensors, downloading and visualizing data, and analyzing patterns of seasonal change across data sets. Course will include regional field trips as well as emphasize the need for reciprocal research with local and Indigenous community partners.

**Grade Mode:** Letter Grading

## **MARI 805 - Introduction to Coastal and Marine Policy: Understanding US Ocean, Coastal, and Great Lakes Policy**

**Credits:** 3

Effective management of human activities in ocean, coastal and Great Lakes areas is critical to our future. This course provides a foundation for students from various backgrounds to understand US marine policy and how it relates to their future careers in research, policy, law, or management. While focused on US marine policy, the course also provides international context, including the UN Law of the Sea and other related conventions on pollution, fisheries, and resource protection.

**Grade Mode:** Letter Grading

## **MARI 895 - Special Topics**

**Credits:** 1-4

New or specialized topics not normally covered in regular course offerings.

**Repeat Rule:** May be repeated for a maximum of 8 credits.

**Grade Mode:** Letter Grading

## **MARI 901 - Resource Management and Policy Practicum**

**Credits:** 1

This course serves as the capstone experience for those enrolled in Graduate Certificates offered by the Marine School. Students apply knowledge developed through certificate related coursework to a student-designed experiential project developed in consultation with certificate program faculty and where possible conducted in partnership with a natural resource management related organization. May be repeated barring duplication of subject.

**Grade Mode:** Graduate Credit/Fail grading

## **MARI 902 - Arctic Research Methods II**

**Credits:** 3

This course will build on Arctic Research Methods I, training students in methods needed to conduct Arctic convergence research projects. Techniques will include ground-based and remote sensing measurements of snow, ice, soil, vegetation, and built infrastructure. Students will also learn communication and education approaches necessary to facilitate collaboration between Arctic communities and researchers.

**Grade Mode:** Letter Grading

## **MARI 995 - Special Topics**

**Credits:** 1-4

Investigations of graduate level problems or topics in marine science and ocean engineering.

**Repeat Rule:** May be repeated for a maximum of 8 credits.

**Grade Mode:** Letter Grading