

# SUSTAINABILITY (SUST)

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

## SUST 401 - Surveying Sustainability

**Credits:** 4

This interdisciplinary and transdisciplinary course explores the history of sustainability and the varied and changing meanings of the concept. It focuses on the principles and challenges of sustainability in support of the long-term welfare of humans and the earth system. Students discuss and debate a set of global grand challenges, their local and national ramifications, and how to connect knowledge to action. Sustainability is explored through case studies, experiential learning, individual research and team projects.

## SUST 401A - Surveying Sustainability

**Credits:** 2

This course explores the history of sustainability and the varied and changing meanings of the concept. It focuses on the principles of sustainability in support of the long-term welfare of humans and the earth system. Students discuss and debate a set of global grand challenges, their local and national ramifications, and how to connect knowledge to action. To count towards the SDM, it must be followed by SUST 401B at Shoals Marine Lab.

**Co-requisite:** SUST 401B

## SUST 401B - Surveying Sustainability Lab

**Credits:** 2

This week long intensive course takes place at the Shoals Marine Laboratory, and must be preceded by SUST 401A. This course is focused on using the Isles of Shoals archipelago as a case study of the ecological, economic, and social aspects of sustainability, as explored through a systems framework.

**Co-requisite:** SUST 401A

## SUST 501 - Sustainability Perspectives and Methods

**Credits:** 4

Sustainability Perspectives and Methods will explore the multiple ways in which we measure, assess and use concepts of sustainability. We begin by establishing the cross-cutting perspectives and methods that run throughout sustainability science including transdisciplinarity, systems thinking, stakeholder-driven research, and solutions-based projects. The course builds on this foundational knowledge to delve more deeply into sustainability challenges as examined through specific perspectives including the humanities, social sciences, and natural sciences. Prereq: SUST 401.

**Attributes:** Writing Intensive Course

## SUST 600 - Sustainability Independent Study

**Credits:** 1-4

SUST 600 will provide an independent study to students who are interested in studying of a topic in sustainability in depth. Due to the highly personalized nature of SUST 600, the specific readings, activities and assignments will vary based on student interests and disciplinary backgrounds. At a minimum, students will be guided in how to prepare a project proposal, place their work within the current literature on the topic, and complete a final project. Prereq: SUST 401. Permission required.

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

## SUST 605 - Sustainability Internship

**Credits:** 1-4

SUST 605 will provide credit for practical work or a project experience in sustainability. The purpose of SUST 605 is to gain practical experience working in a sustainability field while simultaneously achieving specific learning goals pre-identified by the student and faculty mentor. Prereq: SUST 401. Permission required.

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

## SUST 750 - Sustainability Capstone

**Credits:** 4

The Sustainability Capstone is the culminating experience in a series of three core courses for the Sustainability Dual Major. The objective of SUST 750 is to synthesize the knowledge obtained in other core and elective courses taken for the Sustainability Dual Major and apply it to a project. In doing so, students will explore areas of interest, reflect on undergraduate learning experiences, and experience the interdisciplinary aspects of sustainability issues. Prereq: SUST 401, SUST 501. Permission required. Writing intensive.

**Attributes:** Writing Intensive Course