

SUSTAINABLE ENVIRONMENTS (SUS E)

Courses primarily for graduate students, open to qualified undergraduates:

SUS E 501: Sustainable Design Studio I

(0-10) Cr. 5.

Prereq: SUS E 521

Addressing sustainable design at multiple scales of constructed and natural systems and artifacts, this studio engages multidisciplinary graduate students in a team-oriented, project-based learning environment. Faculty-directed projects will include theoretical investigations and applications of an interdisciplinary design process through brief readings and discussions.

SUS E 502: Sustainable Design Studio II

(0-10) Cr. 5.

Prereq: SUS E 501, SUS E 512, SUS E 531

This advanced studio provides a community-based context for an interdisciplinary design team to work on a variety of faculty-directed projects including funded, basic, and applied research. Coursework addresses sustainable design at multiple scales, engaging both systems and artifacts. Field trips.

SUS E 511: Sustainable Design Colloquium I

(3-0) Cr. 3.

Prereq: Admission to MDSE program

Study and discuss practices of sustainable design and design research. Investigate responsibilities, roles, technologies and methods for studying and advancing the art and science of designing sustainable environments.

SUS E 512: Sustainable Design Colloquium II

(1-0) Cr. 1.

Prereq: SUS E 511

A graduate student-led seminar designed to foster the knowledge and skills to support innovation, entrepreneurship, and leadership in the field of sustainable design. Invitation of outside speakers.

SUS E 521: Foundation of Sustainable Design

(3-0) Cr. 3.

Prereq: Graduate standing or senior classification with instructor permission.

Introduction to the broad frameworks and tools for implementing sustainability among a variety of environments, industries, and enterprises. Investigates the role and opportunity for sustainable design strategies.

SUS E 531: Human Dimensions of Sustainability

(3-0) Cr. 3.

Prereq: Graduate standing or senior classification with instructor permission.

This seminar provides students from multiple disciplines with a grounding in designers' interactions with clients, consumers, communities, cultures, and biospheres. Through a review of literature and the production of new case studies in sustainable design, students discover and represent conditions in which products of design operate across scales, markets, social conditions, geographic domains, academic disciplines, and zones of professional responsibility.