Sustainability

In the College of Arts and Letters

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Faculty

Faculty assigned to teach sustainability courses are drawn from the colleges at San Diego State University. The program is housed in the College of Arts and Letters.

Program Directors and Undergraduate Advisers: Trent W. Biggs (Geography) and Matthew T. Lauer (Anthropology)

Committee: An (Geography), Atterton (Philosophy), Balsdon (Economics), Carruthers (Political Science), Conway (Anthropology), Elkind (History), Farley (Geography), Field (American Indian Studies), Gerber (Economics), Hilmer, C. E. (Economics), Hope (Geography), Joessart (Geography), Larom (Asian and Pacific Studies), Marcelli (Sociology), Moellendorf (Philosophy), O’Leary (Geography), Richardson (Geography), Riley (Anthropology), Schellenberg (Geological Sciences), Stow (Geography), Swayd (Religious Studies), Thayer (Economics), Thomgren (Geography), Timalinsa (Religious Studies), Weeks (Geography)

Offered by Sustainability

Major in sustainability with the B.A. degree in liberal arts and sciences.

The Major

The major in sustainability focuses on the interface of human and natural systems. Students gain an understanding of sociopolitical, historical, philosophical, moral, and scientific aspects of environmental problems. Students take courses in the humanities, the social sciences, and the natural sciences, and have the flexibility to concentrate their studies in one or more of these areas. Emphasis is placed on strong writing, research, quantitative skills, and broad liberal arts perspective. The curriculum emphasizes the study of cultural, historic, social, economic, political values and forces that shape resource use and constrain responses to sustainable development. Students are engaged to define sustainability in its various uses, evaluate international debates about the meaning of this term, and the goals of sustainability movements. The program takes an interdisciplinary approach to local, regional, and global environmental issues. This approach fosters systems-thinking skills, written and verbal communication skills, quantitative and qualitative skills, analytic and problem-solving skills. These skills combined with knowledge of foundational scientific principles, an understanding of the human and social contexts of environmental problems, and the policy and decision making contexts within which these problems are reckoned are consistent with careers focused on sustainability; the improvement of the human quality of life through balanced and adaptive stewardship of resources that lie at the human nature interface. The primary objective of the major is to aid in the development of strategies, practices and policies for sustainable societies based on respect and care for the community of life, human cultures, ecological integrity, social and economic justice, and the result of scientific research.

Graduates majoring in sustainability are well prepared for positions in local and state government, particularly in the areas of public lands, parks, natural resource management, environmental conservation and restoration, environmental education, and environmental planning. The major is good preparation for a career of further education in environmental advocacy, energy, private consulting, law, natural resource management, social sciences, and the humanities. Graduates may also work in nonprofit organizations such as the Nature Conservancy, Audubon Society, Green Peace, and Sierra Club, or become teachers in primary, secondary education, or universities.

Advising

Students are required to meet with the undergraduate adviser in order to declare the major. All students admitted to the university with a declared major in sustainability are urged to meet with the undergraduate adviser either prior to or during their first semester.

Impacted Program

The sustainability major is an impacted program. To be admitted to the sustainability major, students must meet the following criteria:

- Complete preparation for the major;
- Complete a minimum of 60 transferable semester units;
- Have a minimum cumulative GPA of 2.0.

To complete the major, students must fulfill the degree requirements for the major described in the catalog in effect at the time they are accepted into the premajor at SDSU (assuming continuous enrollment).

Major Academic Plans (MAPs)

Visit http://www.sdsu.edu/mymap for the recommended courses needed to fulfill your major requirements. The MAPs Web site was created to help students navigate the course requirements for their majors and to identify which General Education course will also fulfill a major preparation course requirement.

Sustainability Major

With the B.A. Degree in Liberal Arts and Sciences

(Major Code: 49101) (SIMS Code: 117001)

All candidates for a degree in liberal arts and sciences must complete the graduation requirements listed in the section of this catalog on “Graduation Requirements.” No more than 48 units of sustainability courses can apply to the degree.

An minor is not required with this major; however, it is recommended that majors in sustainability consider a minor in an area of expertise that helps to ground interdisciplinary work in a focused area or discipline. It is also recommended that students secure competency in a chosen region and/or culture, tied to their choice of foreign language and study abroad experience.

Individual master plans are filed with the sustainability undergraduate adviser and the Office of Advising and Evaluations.

Preparation for the Major

Sustainability 100 [or Environmental Science 100]; Economics 102; Geography 101; and Economics 201 or Political Science 201 or Psychology 280 or Sociology 201 or Statistics 119 or 250; three units from Geography 104 or Professional Studies and Fine Arts 103. (15-16 units)

Language Requirement.

Competency (successfully completing the third college semester or fifth college quarter) is required in one foreign language to fulfill the graduation requirement. Refer to section of catalog on “Graduation Requirements.”

Graduation Writing Assessment Requirement. Passing the Writing Placement Assessment with a score of 10 or completing one of the approved upper division writing courses (W) with a grade of C (2.0) or better. See “Graduation Requirements” section for a complete listing of requirements.

Study Abroad Requirement.

All sustainability majors are required to complete a study abroad experience. To meet this requirement, majors must complete one of the following with the approval and written consent of the undergraduate adviser:

1. An SDSU Study Abroad Program;
2. An SDSU Exchange Program;
3. An SDSU Semester Abroad Program;
4. An SDSU Study Travel Program or equivalent independent program.
In consultation with the undergraduate adviser, when appropriate, the study abroad experience can waive three units of the field distribution. See the undergraduate adviser to make arrangements to meet the study abroad requirement.

**Major.** A minimum of 39 upper division units to include Sustainability 400 or 496 (Internship), and 12 units of integrative core courses: Sustainability 334 (or Political Science 334); Sustainability 353 (or Anthropology 353); Biology 315 or Geography 370; History 441 or Philosophy 332; and 24 units selected from three of the following fields:

**Field A, Human-Nature Interface:** Anthropology 510, Economics 453, English 491 (with relevant content), History 584, International Security and Conflict Resolution 310, Philosophy 496 (with relevant content), Religious Studies 376, Women's Studies 540. (3-12 units)

**Field B, Applied and Regional Studies:** Anthropology 532, Asian Studies 320, Economics 458, Environmental Engineering 320, Geography 340, 354, 426, Latin American Studies 540, Oceanography 320, Sociology 350, Women's Studies 580. (3-12 units)

**Field C, Scientific and Analytical Thinking:** Biology 324, 327, Economics 452, 454, Geography 375, 409, 483, 554, 570, 573, Geological Sciences 305, Political Science 564. (3-12 units)

With the exception of Biology 315 and Geography 370, courses not selected for the core may be used in field distributions, as follows: Field A: History 441, Philosophy 332.

**Courses (SUSTN)**

Refer to Courses and Curricula and University Policies sections of this catalog for explanation of the course numbering system, unit or credit hour, prerequisites, and related information.

**LOWER DIVISION COURSES**

**SUSTN 100. Environmental Sciences (3) [GE]**

(Exhibited as Environmental Science 100)

The earth as an ecosystem composed of biological, chemical, and physical systems and how these systems interact with one another and the human population.

**SUSTN 296. Experimental Topics (1-4)**

Selected topics. May be repeated with new content. See Class Schedule for specific content. Limit of nine units of any combination of 296, 496, 596 courses applicable to a bachelor's degree.

**UPPER DIVISION COURSES**

(Usually for Undergraduates)

**SUSTN 334. Politics of the Environment (3)**

(Exhibited as Political Science 334)

Analysis of political process as it shapes environmental policy in a world characterized by finite resources. Emphasis on expanding national and international claims made upon these resources. May include a substantial amount of material about foreign political systems.

**SUSTN 353. Sustainability and Culture (3) [GE]**

(Exhibited as Anthropology 353)

Prerequisite: Completion of the General Education requirement in Foundations of Learning II.B., Social and Behavioral Sciences required for nonmajors.

Examination of efforts of anthropology to understand sustainability and provide solutions to human-environmental problems. Compares and explores sustainability in a variety of contexts and scales, from San Diego region to diverse communities around the world.

**SUSTN 400. Sustainability Capstone (3)**

Prerequisite: Completion of core courses for the major.

Capstone course for sustainability major. Completion of research project based on coursework and study abroad experience; applying knowledge of ecologic, economic, and social interactions to real-world problems.

**SUSTN 496. Experimental Topics (1-4)**

Selected topics. May be repeated with new content. See Class Schedule for specific content. Limit of nine units of any combination of 296, 496, 596 courses applicable to a bachelor's degree.