

The Hawai'i-CC Academic Sustainability Committee designated certain classes as course-level or instructor-level Sustainability Focused; Sustainability Focused classes count towards a Sustainability Academic Subject Certificate and underwent a screening process.

This is a complete list of classes which the committee deemed Sustainability Focused that ran during the 2020-21 academic year.

1. **AGRICULTURE** with Lew Nakamura (AG 250)
 - a. Sustainable Crop Production → An introduction to production methods for selected crops; compares conventional and alternative methods of production, and analysis the effects of these practices. Examines economic and social impacts.
 - i. **Number of Sections: 1**
2. **BIOLOGY** with Pamela Scheffler or Jen Sims (BIOL 124)
 - a. Environment and Ecology → An introduction to ecological principles and how they relate to the human situation. The course also explores the causes and solutions of present environmental problems.
 - i. **Number of Sections: 4**
3. **CHEMISTRY** with Debbie Weeks, Aimee MacLellan, or Bernard Laurich (CHEM 100)
 - a. Chemistry and Society → Basic concepts of chemistry utilizing mathematics only where necessary, designed for the non-science major.
 - i. **Number of Sections: 7**
4. **ENGLISH** with Kristine Kotecki (ENG102)
 - a. College Reading Skills → Emphasis on reading college-level materials, including improvement in the following areas: study skills, college vocabulary, flexible and strategic reading skills, comprehension and critical reading of fiction and non-fiction, and library research.
 - i. **Number of Sections: 5**
5. **GEOGRAPHY** with Drew Kapp (GEOG 122)
 - a. Geography of Hawai'i → This course will survey the physical and cultural geography of the Hawaiian Islands. Physical geography will emphasize the volcanic landforms, coastal features, climate and vegetation. Cultural aspects will include population, settlement, agriculture, economics and land use. Students will be expected to learn the names and locations of physical and cultural features of the Hawaiian Islands.
 - i. **Number of Sections: 3**

6. PHYSICS with Bernard Laurich (PHYS 105)
 - a. Energy Systems/Sustainability → A natural science course for non-science majors. Focuses on the fundamental understanding of the physical, chemical, technical, and environmental aspects of the generation, and the use of energy on a global, regional, local, and individual level. Renewable energy sources and technologies are discussed.
 - i. **Number of Sections: 2**
7. SOCIAL SCIENCES with Ilana Stout (SSCI 111)
 - a. Food, Water, Energy, Technology → Humanity's existence in a changing society brought about by rapid technological advancements. Trends, current issues, and future global alternatives for man's survival.
 - i. **Number of Sections: 1**

Total number of Sustainability Focused classes: 34

Charlotte Cheek, Hawai'i-CC Sustainability Coordinator, conducted a course audit and determined these classes were Sustainability Inclusive.

This is a complete list of classes which Charlotte deemed Sustainability Inclusive that ran during the 2020-21 academic year.

1. AGRICULTURE
 - a. *Soil Technology* → Studies identification, preparation, and fertilization of soils. Discusses soil formation, soil classification, soil reaction, soil and water relationships, soil protection and irrigation practices. Emphasizes sustainable management systems.
 - i. **Number of Sections: 1**
 - b. *Sustainable Crop Production Lab* → A laboratory course which gives the student practical experience in the application and/or the demonstration of agricultural practices which have a minimal negative impact on the farm and the community.
 - i. **Number of Sections: 1**
2. ARCHITECTURAL ENGINEERING AND CAD
 - a. *Sustainable Environmental Design* → A careful study of the environment including native plants, endangered species, and how society is impacting the natural environment. Topics include efforts to mitigate the negative impact. Discussion topics include site development and sustainable measure guidelines by various national organizations and programs. Also includes an introduction to green

building concepts, terminology, and systems. Involves research, written assignments, presentations, and other activities.

i. **Number of Sections: 1**

3. BIOLOGY

a. *Natural History of Hawaiian Isles* → The formation of the Hawaiian Islands, establishment and evolution of their native flora and fauna, effects of man.

i. **Number of Sections: 1**

4. BOTANY

a. *Introduction to Ethnobotany* → Plants and their influence upon cultures: with special emphasis on Pacific Islander uses of cultivated and wild plants.

i. **Number of Sections: 2**

5. DANCE

a. *Introduction to Environmental Dance* → SI An introduction to how dance interfaces with various environments--both natural and man-made--and explores how dance is a vehicle to express environmental and relevant social issues. Emphasizes the relationship of dance to other art forms and especially the creative power of collaboration when dealing with themes expressing the human relationship with the environment.

i. **Number of Sections: 1**

6. GEOGRAPHY

a. *World Geography* → Survey of the of the world's major geographic regions with focus on the interrelationships between the physical and human elements of these regions. Geographic aspects of contemporary economic, social and political conditions will be studied as they relate to human use of, and impact on, the land and resources.

i. **Number of Sections: 7**

b. *GIS in Forest Eco Management* → Geographic Information Systems will introduce students to GIS principles and practice through use of ArcView and Spatial Analyst. GIS will be applied in developing computer generated map layers for resource management decision making in forest ecosystems and agroforestry.

i. **Number of Sections: 1**

c. *GIS in Forest Eco Management Lab* → Laboratory to accompany Geography 180 will give students hands-on experience in using ArcView and Spatial Analyst. Laboratory exercises and independent projects will apply GIS developing computer generated map layers for resource management decision making.

i. **Number of Sections: 1**

7. HAWAIIAN LIFESTYLE STUDIES

- a. *Piko Hawai'i* → This introductory course provides the learner with a first-hand opportunity to develop a relationship with the sacred geography of Hawai'i Island. To develop an environmental kinship with the places and people of Hawaii Island embeds the idea of belonging to the landscape. This concept is central to Hawai'i Life Styles.
 - i. **Number of Sections: 12**
- b. *Mea Kanu Hawai'i* → Hawaiian cultural uses and functions of Hawai'i's plants. Examines cultural knowledge and insights linked to perspectives of ceremony, clothing, food, medicine, shelter, sustainability and other cultural practices.
 - i. **Number of Sections: 3**

Total number of Sustainability Inclusive Classes: 31

Sources:

[Fall 2020](#)

[Spring 2021](#)