

Sustainability-Focused and Sustainability-Related Classes at UHMC

Course/ Department	Course Number & Title	Level	SF or SR	Description
Agriculture/ STEM	AG 103: Sustainable Ag Systems	Undergraduate	SF	Explores sustainable agriculture systems in Hawai'i and the world. Compares various sustainable models. Examines various sectors of production agriculture and related agribusinesses in Hawai'i. Field trips to farms, processors, and wholesalers.
	AG 122: Soils Technology	Undergraduate	SF	Studies identification, preparation, and fertilization of soils; amendments, sterilization, mulching, and composting methods. Includes soil testing, microbiology, and soil moisture. Emphasizes sustainable management systems.
	AG 162: Introduction to Beekeeping	Undergraduate	SF	Introduces the biology and behavior of honeybees and best management practices for hive management. Develops hands-on skills for hive inspection, maintenance, and management techniques to control honeybee diseases and pests. Investigates alternative pollinators.
	AG 174: Insects & Their Control	Undergraduate	SR	Introduces basic morphology and classification of insects. Studies destructive and beneficial insects. Covers principles of cultural, mechanical, legislative, biological, and chemical control. Investigates sustainability of control methods.
	AG 201: Introduction to Plant Disease	Undergraduate	SR	Introduces classification, morphology, and biology of fungi, bacteria, viruses, and nematodes that attack economic crops. Covers diagnosis and control of plant diseases. Investigates sustainability of control methods.

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	AG 253: Hawaiian Food Plants: Traditional and Contemporary Production	Undergraduate	SR	Explores commercial production of traditional food crops of Hawai'i. Compares traditional geographical centers of production to contemporary production areas. Compares and contrasts traditional and contemporary cultural production practices. Explores modern markets for traditional crops. Teaches production techniques including propagation, planting, fertility, harvest, and post harvest methods. Identifies common varieties of traditional crops.
	AG 253 L: Hawaiian Food Plants: Traditional and Contemporary Production	Undergraduate	SR	Lab to accompany AG 253.
BIOLOGY/ STEM	BIOL 124: Environment and Ecology	Undergraduate	SF	Examines the biological and physical principles affecting human interactions with the environment. Explores the impacts of science, technology, values, and perceptions on global ecology. Discusses problems of pollution, overpopulation, and resource depletion with an emphasis on island ecosystems. Evaluates alternatives to current actions and public policies stressing responsibility of the individual.
	BIOL 124 L: Environment and Ecology Lab	Undergraduate	SF	Lab to accompany BIOL 124.
CHEMISTRY/ STEM	CHEM 100: Chemistry and	Undergraduate	SR	Provides an introduction to chemistry for non-science majors. Reviews basic chemistry concepts and their application to everyday life. Provides a survey of concepts and applications of chemistry with emphasis on the role of chemistry in the real world.
ENGLISH	ENG 100: Composition I	Undergraduate	SF	Discovers and applies the concepts of purpose, audience, and tone in writing. Emphasizes evaluating written texts and writing various types of essays, including writing from sources. Focuses on critical thinking.

Course/ Department	Course Number & Title	Level	SF or SR	Description
HISTORY	HIST 151: World History to 1500	Undergraduate	SR	A global and historical survey focusing on human societies and cross-cultural interactions to 1500 CE.
Hawaiian Studies/ Hawaiian Studies	HWST 211: Hawaiian Ethnobotany	Undergraduate	SF	Identifies endemic, indigenous, and Polynesian introduced flora of Hawai'i. Examines the many uses of Hawai'i's flora by the indigenous people. Reveals the relationship of gods/plants/man, and connects belief and practices with the intentional migration of specific plants. Meets Social Science requirement, not Natural Science requirement.