

USFSP Sustainability Course Inventory

This inventory is a list of courses offered at USFSP that are either a **sustainability course** or a **course that includes sustainability**.

Definitions:

- A **sustainability course** is a course in which the primary and explicit focus is on sustainability and/or on understanding or solving one or more major sustainability challenge.
- A **course that includes sustainability** is primarily focused on a topic other than sustainability, but incorporates a unit or module on sustainability or a sustainability challenge, includes one or more sustainability-focused activities, or integrates sustainability issues throughout the course.

Sustainability Courses:

46 sustainability courses

Course title	Department	Course level	Description of Sustainability Focus
ENT 3503 Social Issues in Entrepreneurship	Entrepreneurship	UG(Undergraduate)	This class focuses on various social and ethical issues impacting small business and entrepreneurial firms. Emphasis will be given to the role of sustainability not only of the small business firm but also the environments in which they operate.
SOP 4714 Environmental Psychology	Psychology	UG	Explores the influences of environment on behavior. Topics considered include crowding, privacy, territorial behavior, environmental design, and pollution effects.
SYG 2010 Contemporary Social Problems	Interdisciplinary Social Sciences	UG	The analysis of social causes and dimensions of major public issues such as crime, the environment, inequality, gender, employment, and substance abuse
EVR 2861 Introduction to Environmental Policy	Environmental Science and Policy	UG	An introduction to environmental policy using class lectures, student projects, and independent readings. Emphasis will be placed on understanding basic policy mechanisms and major policy actions relating to environmental issues at the local, national and international level.
EVR 2001 Introduction to Environmental Science	Environmental Science and Policy	UG	An introductory lecture course linking the human and physical/biological world. The course will develop an understanding of population and resource interactions.

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PHI 3640 Environmental Ethics	Philosophy	UG	A study of alternative theories of environmental ethics, including the application of these theories to contemporary environmental problems, such as pollution, resource depletion, species extinction, and land use.
EVR 4027 Wetland Environments	Environmental Science and Policy	UG	Study of the general properties and ecology of wetlands, examination of the distribution and functions of wetlands, and consideration of wetland conservation and policies.
GEO 4340 Natural Hazards	Geography	UG	Examination of the physical, social, economic, political and cultural forces that create the phenomena of natural hazards. Case studies from around the world will include floods, droughts, tornadoes, hurricanes, freezes, heat waves, wildfires, earthquakes, tsunamis, and volcanoes.
GEO 4372 Global Conservation	Geography	UG	The distribution, exploitation, and conservation of physical and human resources, ecology.
EVR 4940 Environmental Science Internship	Environmental Science and Policy	UG	The purpose of this course is to promote the student's understanding and application of environmental science and policy within a practical organizational context. Contract and report required.
EVR 4910 Environmental Science and Policy Project	Environmental Science and Policy	UG	Environmental science project consisting of research in a field related to environmental science/environmental policy. Supervised by a faculty member. Contract and report required.
EVR 4921 Environmental Science and Policy Seminar	Environmental Science and Policy	UG	A topical reading and discussion seminar focusing on the interdisciplinary nature of environmental science and environmental policy.
GIS 4035 Remote Sensing of the Environment	Geography	UG	Analysis of satellite images and aerial photographs for studies of the environment.

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GIS 4300 Environmental Modeling with GIS	Geography	UG	This course will examine the use of geographic information systems (GIS) for environmental modeling; provide students with an overview of applications of GIS to computer-based spatial models using spatial analytic and modeling tools (applications intrinsic to GIS).
PUP 4203 Environmental Politics and Policy	Political Science	UG	Examines the politics of environmental issues, formation and implementation of environmental policy.
POS 3697 Environmental Law	Political Science	UG	Examines some of the major issues involving environmental law. Specially, the course provides a survey and analysis of statutes, both state and federal, regulating water, air, soil pollution, and resource conservation and recovery. It will also address questions pertaining to problems of implementation, interpretation, enforcement, and development of environmental laws.
ECP 3302 Environmental Economics	Economics	UG	An economic analysis of environmental issues. The economics of resource use and pollution control are examined using the concepts of externalities, cost-benefit analysis, public goods, and property rights.
BSC 4057 Environmental Issues	Biology	UG	Study of biological, economic, ethical, legal, political and social issues relating to current environmental problems
PCB 3043 Principles of Ecology	Biology	UG	An introduction to the basic principles and concepts of ecology at the ecosystem, community, and population level of organization.
EVR 2002 Environmental Science: Regional and Global Issues	Environmental Science and Policy	UG	This course will provide students with an understanding of the scientific principles underlying today's global environmental problems and their potential solutions. We will examine how our social, political and economic systems affect the environment.
GEA 2000 World Regional Geography	Geography	UG	Comparative and analytical analysis of representative regions of the world with

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			emphasis on cultural, political, economic, environmental, and physical diversity.
GEO 2400 Human Geography	Geography	UG	Systematic treatment of human activities on earth; population, settlement, agriculture, industry, trade, transportation, and political aspects are among those considered.
GEO 3352 Human Footprint on the Landscape	Geography	UG	The study of human-environment relationships from a primarily geographic perspective focusing on the human forces that shape landscapes.
GLY 4734 Beaches and Coastal Environments	Geology	UG	A comprehensive introduction to the nature of all coastal environments including beaches, dunes, tidal inlets, estuaries, reefs, and river deltas. Emphasis will be on the natural state of these environments and how human activities have and will impact them. Consideration of coastal management policies involving economics, ethics, policy, and environmental law.
EVR 4218 Research Methods in Wildlife Ecology	Environmental Science and Policy	UG	Research Methods in Wildlife Ecology will review the ways in which data are collected, analyzed, and reported, so that informed decisions about wildlife management and conservation can be made. The course will have both classroom and field components.
EVR 4900 Directed Readings	Environmental Science and Policy	UG	To provide advanced students with interdisciplinary research experience in areas of specific interest.
EVR 4905 Independent Study	Environmental Science and Policy	UG	To provide advanced students with the opportunity for independent study in areas of specific interest.
MMC 4106 Science Writing	Mass Media Communication	UG	Will focus on techniques (angles, analogies, story structures, dialogue, narrative/plot)to translate complex scientific information into simplified but accurate stories for a non-scientific audience.

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URP 4050 City Planning and Community Development	Urban Planning	UG	An introduction to the development, role, and components of city planning, and the political and actual policies of government in attempting to regulate or control urbanization.
WST 3225 Women, Environment and Gender	Women's Studies	UG	The course provides students with a basic understanding of relationships between women's physical, health and occupational environments; consider the position of women regarding environmental issues; examine roles that women can and do play in effecting environmental change; and analyze concepts related to ecofeminism.
ANT 4442 Urban Life and Culture	Anthropology	UG	The cross-cultural study of urbanization, urbanism and human problems associated with metropolitan environments. Emphasis on the ethnography of city life and its relationship to the practical applications of urban research.
ANT 4442 Urban Life and Culture	Anthropology	UG	The cross-cultural study of urbanization, urbanism and human problems associated with metropolitan environments. Emphasis on the ethnography of city life and its relationship to the practical applications of urban research.
ANT 4467 Food, Health and Culture	Anthropology	UG	Basic human nutritional needs & their evolutionary foundation; reconstruction of past diets; relationship between food, health & medicine; food & disease; food in religion; gender and food; food in cross-cultural perspective; political economy of food.
BOT 4850 Plants and Human Health	Biology	UG	This course is a study about the natural history and nature of plant chemical constituents, and about the historic, present, and future roles of plants in human health.
BSC 2025 Food: Personal and Global Perspectives	Biology	UG	May be taken by biology majors for free elective credit. The application of basic biological principles to human nutritional problems; to learn how various cultures

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			achieve adequate nutrition and how environmental changes impact both personal and global nutrition.
BSC 2050 Environment	Biology	UG	The application of basic scientific principles to global environmental problems; how human activities impact the environment. May be taken by majors for free elective credit.
BSC 4052 Conservation Biology	Biology	UG	This course provides an extensive introduction to current models and empirical study in conservation biology, including substantial hands-on experience with programming methods for study of data and models.
CLP 4414 Behavior Modification	Psychology	UG	Introduction to behavior analysis, and application of learning principles, behavioral measurement, research designs, and interventions in treatment settings.
CLP 4620 Ethics in Psychology and Health	Psychology	UG	The purpose of this course is to review the ethical, legal, and professional standards that direct the activities of health and mental health professionals. Ethical issues will be reviewed and an ethical decision making model will be presented
CPO 4034 Politics of Developing Areas	Political Science	UG	An analysis of the ideologies, governmental structures, and political processes of selected nations of the non-Western world.
CPO 4930 Comparative Government and Politics of Selected Countries or Areas	Political Science	UG	Studies political systems with common elements. Structure, process, domestic and foreign politics, and regional roles are considered.
ECO 3703 International Economics	Economics	UG	Role of international trade in the U.S. economy. Gains from trade, balance of payments, exchange rate determination, balance of payments stability, and international commercial policy.

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ECO 4504 Public Finance	Economics	UG	The public sector and its contribution to economic welfare. Government expenditures and revenues. Resource allocation, income distribution, stabilization, and economic growth.
ECO 4713 International Macroeconomics	Economics	UG	Advanced analysis of international macroeconomic relationships. Foreign exchange market, international monetary system balance of payments.
ECP 3201 Economics of Women and Work	Economics	UG	Survey of research on women, men and work in the labor market and the household. Focuses on the economic status of women. Includes historical perspective, examination of the family as an economic unit, changing work roles, and gender differences in occupation and earnings.
ECP 3203 Labor Economics	Economics	UG	Determinants of wage and employment levels; occupation, industrial and geographical wage differentials, union and public policy effects on labor markets; the economics of discrimination; inflation and unemployment.
EVR 6939 Seminar in Environmental Science	Environmental Science and Policy	G (Graduate)	Critical assessment of environmental policy and regulatory formulation, implementation, evaluation, and revision in the context of scientific, technological, institutional, political, social and economic factors; case studies of major U.S. policies.
PCB 6933 Seminar in Ecology	Environmental Science and Policy	G	A detailed examination of topics in ecology pertaining to individual organisms, populations, communities and/or ecosystems.
CHM 6938 Environmental Chemistry	Chemistry	G	Representative titles taught include: Symmetry and Group Theory, Photochemical Kinetics, Quantum Mechanical Calculations, Advanced Chemical Thermodynamics, Reaction Mechanisms, Advanced Instrumentation,

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			Separations and Characterizations, Spectroscopy, etc.
EVR 6934 Global Climate Change	Environmental Science and Policy	G	Selected topics, issues and problems in Environmental Science and Policy
EVR 6934 Wetlands, People and Public Policy	Environmental Science and Policy	G	Selected topics, issues and problems in Environmental Science and Policy
GEO 6116 Perspectives in Environmental Thought	Geography	G	Analysis of the evolution of the major schools of environmental thought from antiquity to present-day green analysis, deep ecology, ecofeminism, and post-modern ecology.
GEO 6428 Seminar in Advanced Human Geography	Geography	G	Analytic study of a problem selected from aspects of the human landscape (urban, political, economic, population, settlement)
EVR 6934 Environmental Justice	Environmental Science and Policy	G	Selected topics, issues and problems in Environmental Science and Policy
EVR 6216 Advances in Water Quality Policy and Management	Environmental Science and Policy	G	Conceptual structure and practical implementation of U.S. watershed-based water quality regulations and policies. Practical application of scientific information and quantitative methods in management/policy decisions for water quality protection.
GEO 6286 Advances in Water Resources	Geography	G	Water resources policies are viewed from theoretical and practical perspectives focusing on management strategies in different physical and human environments.
EVR 6937 Seminar in Environmental Policy	Environmental Science and Policy	G	Critical assessment of environmental policy and regulatory formulation, implementation, evaluation, and revision in the context of scientific, technological, institutional, political, social and economic factors; case studies of major U.S. policies.

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Courses that include sustainability:

- the title, department(or equivalent), and level of each course(grad/undergrad)
- description of how sustainability is integrated into each course.

Course title	Program	Course level	Description of Sustainability Integration
GLY 2010 Dynamic Earth: Introduction to Physical Geology	Geology	Undergraduate(U G)	Has a chapter on plate tectonics, global warming and climate change, and one on renewable energy.
MAN 6766 Leadership and Corporate Accountability	Information Systems and Decisions Science	G	A final synthesis of core learning, with student groups conducting a strategic stakeholder analysis of an organization in the community. Issues of Leadership and Corporate Governance are discussed.
MAN 6068 Social Issues in Management	Information Systems and Decisions Science	G	An examination of issues that impact the moral and legal behavior of organizations and their stakeholders, including management, shareholders, unionized labor, white collar workers, suppliers, customers, consumers, and the environment
EDA 6192 Educational Leadership	Administration/Sup ervision	G	Administration course that addresses change, influences, and planning systems. Also examines personnel functions for administrators
MAN 6107 Leading Sustainable Enterprise	Information Systems and Decisions Science	G	Examines the perspective required of the manager/leader/facilitator in light of personal, organizational, and societal needs judged by standards of effectiveness and ethicalness