

INDIGENOUS PRINCIPLES IN NATURAL RESOURCES AND THE ENVIRONMENT MINOR

Offered at: San Luis Obispo Campus

This interdisciplinary minor is sponsored by the Natural Resources Management and Environmental Sciences department in the College of Agriculture, Food and Environmental Sciences. The minor consists of innovative coursework and provides research opportunities that incorporate indigenous ecological knowledge in areas such as conservation biology, environmental biology, wildlife and fisheries sciences, forest resources management, environmental studies and environmental sciences: as well as agriculture, ethnic studies, geography, biology, and recreation, parks and tourism.

The Indigenous Principles in Natural Resources Management and the Environment minor aims to bring together principles of both Indigenous knowledge and Western science. Instruction in these two approaches will provide students with the necessary skills, practical research methods and critical thinking abilities for addressing complex environmental and health issues, and resource management problems facing both Indigenous and non-Indigenous communities around the world. Contact the minor coordinator for more details.

Program Learning Objectives

1. Describe Indigenous environmental knowledge and the range of management approaches that have and are employed with reference to forestry, natural resources and the environment here in the U.S. and throughout the world.
2. Apply and evaluate legal requirements and responsibilities in seeking, constructing and responding to Indigenous viewpoints and perspectives, particularly regarding management of U.S. tribal and non-tribal lands.
3. Analyze ecosystem management principles as a process to improve collaboration and associated decision-making.
4. Apply, synthesize, plan and design in the appropriate inclusion of Indigenous traditional knowledge in environmental assessment and development of planning projects.

Minor Requirements and Curriculum

The minor must be completed prior to, or at the same time as, the requirements for the bachelor's degree. A major and a minor may not be taken in the same degree program, and a minor is not required for a degree. Requirements for the minor include:

- At least half of the units must be from upper-division courses (3000-4000 level).
- At least half of the units must be taken at Cal Poly (in residence).
- No more than one-third of the units will be taken with credit-no credit grading (CR/NC), not counting courses with mandatory CR/NC. Departments may further limit CR/NC grading if desired.
- A minimum 2.0 GPA is required in all units counted for completion of the minor.

Code	Title	Units
REQUIRED COURSES		
ES 2253	Introduction to American Indian Studies	3
NR 1141 or NR 1142	Introduction to Forest Ecosystem Management Environmental Management	4
NR 3360 or ES 3360	Ethnicity, Culture, and the Environment in the United States Indigeneity and the Land	3-4
Emphasis Area Courses		
Select from the following:		6
ERSC/GEOG 3325	Climate and Humanity	
ES 2221	Native American Popular Culture	
NR 3308	Fire and Society	
NR 3323	Human Dimensions in Natural Resources Management	
NR 3335	Conflict Management in Natural Resources	
PHIL 3340	Environmental Ethics	
SOC 3308	Sociology of the Environment	
Approved Electives		
Select from the following:		6
AG 3350	The Global Environment	
ANT 2201	Cultural Anthropology	
ANT 3312	Introduction to Cultural Resources Management	
ANT 3320	California's Indigenous Past	

ANT 3330	Indigenous South Americans
ANT 4415	Indigenous North Americans
ASCI 3360	Holistic Management
BIO 1114	Plant Diversity and Ecology
BIO 2217	Wildlife Conservation Biology
BIO 3327	Wildlife Ecology
BIO 3343	Principles of Conservation Biology
BOT 3311	Plants, People and Civilization
EIM 3302	Environmental and Wilderness Education
ENGL 3346	Multiethnic Literature of the U.S.
ENGL 3380	Themes in Literature and Culture
ERSC/GEOG 2250	Physical Geography
ERSC/GEOG 3325	Climate and Humanity
ES 2221	Native American Popular Culture
ES 2255	Introduction to Latina/o/x Studies
ES 3340	Cultural Production and Ethnicity
ES 3380	Critical Race Theory
ES 3381	Social Constructions of Whiteness
FSN 2250	Food and Nutrition: Culture and Customs
GEOL 4417	Field Geology Methods and Mapping
HIST 2208	Survey of California History
ISLA 3330	Cal Poly Land: Nature, Technology, and Society
LA 2203	Landscape Ecology: Concepts, Issues, and Interrelationships
LA 3304	Contemporary Issues in Cultural Landscapes
LA/NR 2218	Introduction to Geographic Information Systems (GIS)
NR 3306	Natural Resource Ecology and Habitat Management
NR 3308	Fire and Society
NR 3312	Technology of Wildland Fire Management
NR 3320	Watershed Processes and Management Laboratory
NR 3321	Water Resources Technology and Society
NR 3323	Human Dimensions in Natural Resources Management
NR 3326	Natural Resources Economics and Valuation
NR 3335	Conflict Management in Natural Resources
NR 3340	Wildland Fire Management
NR/CRP 4404	Environmental Law
NR/CRP 4408	Water Resource Law and Policy
NR 4421	Wetlands
NR 4442	Environmental Life-Cycle Analysis
PHIL 3340	Environmental Ethics
POLS 3325	Global Political Issues
SOC 3315	Global Race and Ethnic Relations
SPAN 3351	Chicanx/Latinx Works in English
SS 1120	Introductory Soil Science
SS 3321	Soil Morphology

Total Units
22