Environmental Management & Protection

LOWER DIVISION

EMP 105. Natural Resource Conservation [3]. Broad aspects; history of humanity in relation to land use; human populations in relation to resources; history of conservation movement; present day conservation problems. [GE]


UPPER DIVISION


EMP 309B. Environmental Communication [3]. This course is intended for advanced students who want to learn the basic theories, strategies, and techniques used to communicate a body of scientific knowledge to the public in a comprehensible manner. [Prereq: sophomore standing or greater. GE.]

EMP 325. Environmental Law & Regulation [3]. Overview of laws, policy, and institutions used to regulate natural resource management and protect the environment. Legal principles; property rights; federal, state, and international environmental legislation; and regulatory authorities. [Prereq: EMP 210 (C). Weekly: 3 hrs lect.]


EMP 351. Environmental Interpretation Field Trip [1]. Visit sites illustrating issues and techniques of natural resources interpretation. [CR/NC. Coreq: EMP 350. Three-day field trip.]


EMP 360. Introduction to Natural Resource Planning Methods [3]. Interdisciplinary planning methods; Application of ecological, economic, and social information and analysis for environmental planning from wildlands to working landscapes, rural and urban communities, at site, landscape, and regional scales. [Must have sophomore standing or greater. Rec: EMP 105 and EMP 210. Weekly: 2 hrs lect, 3 hrs lab.]

EMP 365. Local Government Planning [3]. History of resource and land-use planning, planning theory, planning processes, and land development in the US. Overview of current land-use planning issues, processes, and techniques with emphasis at the local and regional levels. [Prereq: EMP 360. Weekly: 3 hrs lect.]

EMP 400 / ENVS 400. Inscape & Landscape [3]. An evaluation of individual perception (inscape) of nature (landscape) relative to our unique individual histories. An overview of human population growth, resource consumption, and resource availability will lead to a personal evaluation of the relationship of inscape to landscape. [GE. Weekly: 2 hrs lect, 2 hrs activ.]

EMP 415. Recreation & Park Planning [3]. The planning process as applied to natural resource recreation areas; master planning for parks and other wildland recreation areas; NEPA; public involvement; planning facilities such as trails and campgrounds. [Prereq: EMP 215. Weekly: 2 hrs lect, one 3-hr lab.]

EMP 420. Ecosystem Analysis [3]. Inventory and analysis methods for ecosystems based on systems ecology, sustainability science, and resilience theory. Focus on human impacts and management efforts in local landscapes. [Preq: SOIL 260, BIOL 330 or WLDF 301, FOR 130 or BOT 350, or IA. Weekly: 2 hrs lect, 3 hrs lab.]

EMP 425. Environmental Impact Assessment [3]. Legislative/judicial history and current implementation of National Environmental Policy Act (NEPA) and California Environmental Quality Act (CEQA). Practice analyzing and preparing impact assessments for development projects. [Rec: EMP 325. Weekly: 2 hrs lect, one 3-hr lab.]

EMP 430. Natural Resource Management in Protected Areas [3]. Principles/practices managing natural resources in wildland recreation areas. Fire, air; water quality; erosion; endangered species; exotic species control; hazardous features. Case studies. [Prereq: STAT 108 or STAT 109, and an ecology course or IA. Must have upper division standing. Weekly: 2 hrs lect, 3 hrs lab.]

EMP 435. Grant Proposal Writing [2]. Fundamentals of grant proposal writing, from conception of the idea to writing a coherent and persuasive proposal. Combines critical thinking, communication and quantitative reasoning skills, and critical evaluation of proposals. [Weekly: 2 one-hr lect.]


EMP 440L. Managing Recreation Visitors Field Trip [1]. Field trips to state and national parks and forests. [Preq: EMP 215. CR/NC.]


EMP 453. Environmental Education & Interpretation Practicum [4]. Capstone course for interpretation majors with a focus on graphic skills in interpretive programming and design. Projects include exhibits, brochures, and overall interpretive programming. [Preq: EMP 350, EMP 353, EMP 450, or their equivalents.]

EMP 460. Environmental Planning for Public Lands [3]. Environmental planning processes applied by state and federal agencies to manage for desired ecological, economic, and social outcomes on public lands. Key themes: collaborative processes, community involvement, stewardship. [Preq: EMP 360 and EMP 425 (C), or IA. Weekly: 2 hrs lect, 3 hrs lab; 3-day field trip required. Service fee.]

EMP 462. Coastal & Marine Planning [3]. Approaches, policies, and politics related to planning and management in coastal and ocean areas. Consider ways to balance coastal and marine ecosystem conservation with a variety of human uses. [Preq: EMP 360.]

EMP 471. Spatial Analysis Lab Projects [1]. Intended for students with experience in GIS and/or Remote Sensing who require the facilities and software tools available in the Spatial Analysis Lab for special projects or research. This course does not count towards graduation units. [Preq: GSP 216 or GSP 270 or GSP 326 or GSP 330 or GSP 370 or GSP 436 or GSP 470 or GSP 570. AL. Rep 3 times.]

EMP 475. Senior Planning Practicum [4]. Capstone course: a planning project in a group format. [Preq: EMP 460 (C) or EMP 462 (C), and graduating senior standing. Weekly: 2 hrs lect, 5 hrs lab.]

EMP 480. Selected Topics [5-3]. Planning, ecology, administration, law, ethics, or other topics of current interest. [Rep with different topics. Prereq: IA. Variable format.]

EMP 480L. Selected Topics/Lab [5-3]. Planning, ecology, administration, law, ethics, or other topics of current interest. Lab/field format. Service Fee. [Rep with different topics. May require prereqs.]

D22 diversity & common ground; d domestic; n non-domestic; F fall; S spring; Su summer; GE general ed; IA instructor approval; lect lecture; prereq prerequisites; rec recommended preparation; rep repeatable
EMP 482. Internship (2-3). Students implement the theory and practice of their major by working for a public agency or private firm/organization. Advanced standing and instructor consent. [CR/NC.]

EMP 499. Directed Study (1-3). Individualized research/study project. [Prereq: junior/senior standing. Rep.]

GRADUATE

EMP 510. Human Dimensions of Natural Resources [3]. Overview of the role of social issues in natural resource management. Theory and methods related to human dimensions research. Applications of sociocultural research to management. Practice implementing methods. [Prereq: graduate standing or IA.]

EMP 580. Selected Topics (1-3). Interpretation, planning, ecology, administration, law, ethics, other topics of interest. [Rep with different topics.]

EMP 597. Mentoring & Teaching-Associate Training (1-4). Train in course preparation and delivery. Advance majors and grad students take this prior to or concurrent with teaching-assistant or teaching-associate assignments. No credit toward graduate degree.

EMP 620. Ecosystems & Society [3]. Exploration of sustainability science based approaches to an integrated understanding of ecosystems and society and implications for ecological and social resilience, adaptation, and transformation. [Prereq: must have graduate standing.]

EMP 685. Graduate Seminar (1-3). Topics of current interest. [Rep.]


EMP 699. Directed Study (1-4). [Rep.]