

New Courses and Course Changes
Effective Fall 2007

ADDENDUM
As of 6/26/07

COLLEGE OF LIBERAL ARTS AND SCIENCES
Anthropology

*Anth 320

Native Americans of the Northwest Coast (4)

Native Americans of the Pacific Northwest coast are among the most affluent, diverse, and complex hunting-gathering peoples in the world. This course examines the unity and diversity of these cultures from Alaska to the Oregon-California border by tracing their historical evolution and responses to contemporary problems. Topics include: subsistence economies and resource tenure, social identity, art, ceremonial and spiritual life, culture change and revitalization, and modern indigenous-state relations. Recommended: Anth 103, 314 or 313. [NEW]

*Anth 335

Anthropology of Space and Place (4)

Space and place are foundational to human cognition, emotion, and experience, and yet we often take them for granted. This course examines the origins, development and contemporary variation of human senses of space, place, and environment in a variety of cultural settings around the world. Recommended: Anth 102.

Anth 355

Historical Archaeology and the Origins of the Modern Pacific Northwest (4)

Explores the origins of the modern Pacific Northwest from fur-trade/indigenous contacts to the present using theories and methods of historical archaeology in North America and elsewhere. Topics include heritage, history, and interpretation; the archaeology of the fur trade; the industrial revolution & industrial archaeology; slavery & inequality; and military sites archaeology. Recommended: Anth 102. [NEW]

*Anth 418/518

Environmental Anthropology (4)

What can anthropology teach us about contemporary environmental problems? Emphasizing key issues of environmental change, adaptation, conservation and sustainability, biocultural diversity, resilience, political ecology, and environmental justice, this course examines how the cross-cultural study of human-environmental relations can improve our understanding of contemporary environmental problems and their solutions. Recommended: Anth 102, 103, 301 or 304, 414/514. [NEW]

Applied Linguistics

Ling 301

Introduction to Native American Languages (4)

General introduction to the linguistic and cultural background of endangered native languages of North America. Topics include structure of native languages; relationship of language to other aspects of culture such as worldview, social organization, and story telling; history of language change and current tribal projects to revitalize native languages. [NEW]

Ling 417/517

Maintenance and Revitalization of Endangered Languages (4)

General introduction to endangered language revitalization, with a focus on native languages of the Pacific Northwest. Topics include history of attempts to eradicate native languages and the effects on those languages and their communities; theoretical basis for revitalization; emerging tribal policies; and relations between linguists and native communities. [NEW]

Conflict Resolution

CR 515

Negotiation (4)

First part of a two-term sequence introducing collaborative responses to conflict. Establishes a theoretical framework for using negotiation in a variety of settings. Demonstrates how to negotiate directly with another party. Skills include: conflict analysis, communication skills, maintaining an inner neutrality, creating a safe environment, and ensuring procedural, substantive and psychological satisfaction. Recommended: 4 credits of conflict resolution, communication, psychology or sociology. [CHANGE TITLE, DESCRIPTION, PREREQUISITES]

CR 516

Mediation (4)

Second part of a two-term sequence introducing collaborative responses to conflict. A theoretical framework will be established for using mediation in a variety of settings. Students will learn how to mediate disputes involving two parties. Skills learned will include: conflict analysis, communication skills, maintaining inner and outer neutrality, creating a safe environment, and ensuring procedural, substantive and psychological satisfaction. Prerequisite: CR 515. [NEW]

CR 522

Thesis/Project Preparation Seminar (1)

Introduction to a variety of approaches to thesis and project writing and research. Students examine completed master's degree theses and projects in conflict resolution. Prerequisites: two full-time terms, or equivalent, completed in the master's degree program. [CHANGE TITLE, DESCRIPTION, PREREQUISITES]

CR 523

Ethics and Professional Issues (4)

Introduces students to different ways to approach and appraise ethical issues through original writings. Focuses on contemporary issues in mediation and conflict resolution. Explores differences and similarities between an emphasis on consequences, on virtues, on principles, and on the social contract. Examines the Uniform Mediation Act, Oregon law on mediation. [NEW]

CR 524

Advanced Mediation (4)

Focus on the qualities of the practitioner that enhance the practice of mediation. The practice of mediation involves a particular kind of presence, that of a nonjudgmental observer. To maintain such a presence while in the midst of emotions, intense interactions, hostility and conflict requires much clarity, steadiness, and stability. Students will learn ways to achieve these qualities through the study and cultivation of mindfulness. Recommended: CR 516. [CHANGE PREREQUISITE]

CR 532

Social Liberation (4)

Explores the way that social oppression problematizes the neutrality of conflict resolution by requiring an advocacy for social justice. Provides students with tools by which they can become more socially aware and effective conflict resolvers. Examines ways in which the feminist and civil rights movements have attempted to address oppression, especially in the United States. [NEW]

CR 541

Reconciliation Processes (4)

Introduces the process of reconciliation between individuals, groups and societies. Explores how reconciliation attends to the deeper underlying issues that continue to divide people long after a settlement is reached. Topics include the evolution of historical wounds, memory, accountability, acknowledgment, restitution, forgiveness and truth. Examines case studies for class discussions and analysis. [NEW]

CR 542

Peacekeeping, Peacemaking & Peacebuilding (4)

Introduces the building blocks for successful international peace agreements. Focuses on the multiple layers of international peace work. Provides an opportunity for both analysis and critique of the multiple practices and systems involved. [NEW]

CR 544

Restorative Justice and Conflict Resolution (4)

An exploration into the emerging concept and practices of restorative justice, with special attention to multicultural perspectives. Includes acquiring different concepts of restorative justice from various parts of the world, learning about its historical roots and evolution, investigating the theoretical frameworks within which it is evolving, and examining some of the obstacles that make restorative justice challenging to implement. [NEW]

CR 552

Dialogue and Conflict Resolution (4)

Explores the impact of conflict on the communication process, focusing on how conflict conditions the stakeholders' respective mode of interpreting events, behaviors and actions. Investigates the principles, nature and process of dialogue as a means of freeing communication from the effects of protracted conflict. Dialogue explored as a mode of interaction that may open up creative communicative processes between the parties concerned. Examines various theories of dialogue, focusing on the relevance of dialogue for conflict resolution and peace-enhancing processes. Specific conflicts selected and experimentally treated in the dialogical mode. [NEW]

CR 559

Ethics of Peace and International Conflict (4)

Steps back from the historical and concrete details of conflict and alienation on the one hand, and reconciliation and peace on the other, in an attempt to reflect critically on relevant foundational ethical issues regarding peace and conflict. By drawing from various disciplines, ethical questions are raised regarding violence, neighborliness, war, freedom, power, peace, in relation to "human nature." Phenomena common to the realm of human conflict, such as the reliance on power as a means of securing life and society, the shedding of blood as a means of liberation, justice and democracy are examined in light of the ethics of peace and conflict. Engages participants in critical reflection on the capacity or weakness of the human spirit to transcend the "tyranny of circumstances," to probe the existential realities of conflict and to consider peace as a vital function of human freedom, justice, democracy, hope and meaning. [NEW]

*CR 580

Peace History (4)

Examines the history of peace from many perspectives, using the generally accepted definition of peace to mean "positive peace," or the presence of justice, as in the Gandhian movement, rather than the negative peace associated with Pax Romana or Pax Britannica. Focuses on religious and secular, modern and ancient, local and national, women's and other rights movements, and employs a historical analysis that offers additional context to students. [NEW]

English

Eng 596

Problems and Methods of Literary Study (4)

[CHANGE CREDIT HRS FROM 5 TO 4]

Environmental Programs

ESR 330

Environmental and Ecological Literacy (4)

Introduces a broad range of thought about ecology and the environment, including supporters and critics such as Aldo Leopold, David Orr, Bjorn Lomborg, E.O. Wilson and Thomas Berry. Addresses the idea of ecological literacy as a key aspect in education and understanding the environment. Recommended: ESR 220, 221 and 222. [NEW]

ESR 340

Research Methods in Environmental Science (4)

Integrates quantitative skills into environmental research. Introduces research methods commonly used in environmental studies with emphasis on environmental study designs, data analyses, and data interpretations. [NEW]

ESR 342

Field Methods (2)

Presents crucial safety, field and research skills for environmental research. Presents different skill sets for different types of field work for example in lakes, wetlands, forests or marine environments. Students may count two sections of this class toward an Environmental Science or Environmental Studies major.

Recommended: ESR 220, ESR 221. [NEW]

ESR 460/560

Air Quality (4)

An overview of urban air quality issues facing cities in the U.S. and globally. Examines effects of air pollution on public health and environment, as well as technologies and regulatory practices. Review pollution measurement and modeling techniques. Recommended: ESR 320. [NEW]

ESR 480 / 580

Coastal Marine Ecology (4)

Introduces the relationships between marine species and their environment, intra- and inter-specific interactions, and factors structuring marine communities. Community structure and distribution presented in the context of both oceanography and coastal zone ecology. Marine conservation issues, including fisheries, addressed. A field trip required. Recommended: ESR 321. [NEW]

ESR 485/585

Ecology and Management of Bio-Invasions (4)

Overview of invasive species biology, ecology and management with a strong focus on aquatic invasive species and invasive species in Portland. Builds upon the basic fundamentals of ecology and also addresses economics, ethics, policy, and management practices. Recommended: ESR 321. [NEW]

Geography

Geog 333

Weather (4)

Introductory course in the atmospheric environment providing a comprehensive understanding of atmospheric structure and the changes over time that result in the weather we experience. Topics include, atmospheric moisture (fog, rain, clouds), atmospheric stability and cloud development, air pressure and winds, air masses and fronts, and hurricanes and tornados. This course is the same as Ph 333; course may be taken only once for credit. Recommended: upper division standing or Geog 210. [NEW]

Native American Studies

NAS 301

Introduction to Native American Languages (4)

General introduction to the linguistic and cultural background of endangered native languages of North America. Topics include structure of native languages; relationship of language to other aspects of culture such as worldview, social organization, and story telling; history of language change and current tribal projects to revitalize native languages. [NEW]

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NAS 417

Maintenance and Revitalization of Endangered Languages (4)

General introduction to endangered language revitalization, with a focus on native languages of the Pacific Northwest. Topics include history of attempts to eradicate native languages and the effects on those languages and their communities; theoretical basis for revitalization; emerging tribal policies; and relations between linguists and native communities. [NEW]

Physics

Ph 333

Weather (4)

Introductory course in the atmospheric environment providing a comprehensive understanding of atmospheric structure and the changes over time that result in the weather we experience. Topics include: atmospheric moisture (fog, rain, clouds), atmospheric stability and cloud development, air pressure and winds, air masses and fronts, and hurricanes and tornados. This course is the same as Geog 333; course may be taken only once for credit. Recommended: upper division standing or Geog 210. [NEW]

Ph 424 Classical Mechanics I (4) [CHANGE CREDIT HRS FROM 3 TO 4]

†Ph 425/525

Classical Mechanics II (4)

Advanced formulation of mechanics. Lagrange's and Hamilton's equations. The inertial tensor, free rotations, and rigid body dynamics. Theory of small oscillations, coupled oscillations and normal modes. Additional special topics may include Chaos theory and special relativity. Recommended: Ph 424 and Mth 256. [CHANGE CREDIT HRS FROM 3 TO 4, DESCRIPTION]

BUSINESS ADMINISTRATION

Finance

Fin 439/539

Real Estate Valuation I (3) [CHANGE TITLE]

Fin 440/540

Real Estate Valuation II (4)

Principles of valuation applied in the context of real estate investments. Financial strength analysis, cash flow estimation, determining the cost of capital, various discounted cash flow methods. Option valuation and real options approaches. Relative valuation approaches. Applied to the valuation of Real Estate Investment Trusts and other real estate development entities. Prerequisites for undergraduates: Fin 319 and Fin 439.

Prerequisite for graduates: Fin 539. [NEW]

Fin 453

Real Estate Finance and Investments (3) [CHANGE NUMBER FROM 499 – UNDERGRADUATE SECTION SPLIT OFF]

Fin 599

Real Estate Finance and Investments (3) [CHANGE NUMBER TO 599 ONLY – UNDERGRADUATE SECTION SPLIT OFF]

GRADUATE SCHOOL OF EDUCATION

Curriculum and Instruction

CI 476/576

Equity and Cultural Diversity in Early Childhood Education (3)

6/26/07:swh

Explores developmental early childhood education practices, emphasizing developmentally and culturally appropriate objectives as well as anti-bias learning goals. Develops awareness of quality teaching practices by exploring personal cultural history, gaining insights into living examples of difference, witnessing the effects of bias, and learning to support fairness and issues of equity in a classroom. [NEW]

Educational Policy, Foundations, and Administrative Studies

EPFA 439/539

Developing Training Materials (3)

Focuses on the theories and skills necessary to plan, develop and use effective participant and presentation training materials that enhance adult learning. Emphasizes the linkage of instructional design, adult learning representational systems, and graphic design theories and how materials increase transfer of learning. Examines effective written communication, the selection and use of production methods, and project plans for training materials. [NEW]

EPFA 444/544

Instructional Design for On-line Based Training (3)

Examines the adult learning instructional strategies, interactive techniques, information architecture, and user-interface design principles used in online training. Analyze audience learning and experience preferences, training requirements, and content objectives and use that information to choose appropriate online training strategies and methods. [NEW]

EPFA 445/545

Building On-line Training (4)

Examines development methodologies/processes, principles of task identification, risk mitigation, technical architecture, creative tools, and project management strategies used in building on-line training courses. Apply learning theory and project management principles to development of online trainings. [NEW]

Electrical and Computer Engineering

ECE 414/514

Electronics Packaging for Electrical & Computer Engineers (4)

Introduction to electronics packaging; electrical, mechanical, thermal, materials, and reliability design considerations; modeling, and testing. Prerequisite: senior or graduate standing in ECE. [NEW]

ECE 441

Electrical Energy Systems Components (4)

Introduces the following topics: three-phase power, per unit system calculations, impedance and reactance diagrams, nodal equations, bus admittance and impedance matrices, transformer and synchronous generator modeling, transmission lines parameters, steady state operation, generation models, basic power flow. Prerequisite: ECE 332. [NEW]

ECE 442

Electrical Energy Systems Protection and Control (4)

Introduces the following topics: symmetrical components, fault studies, system protection fundamentals, numerical methods for symmetric and unsymmetrical operation, transmission line and system protection analysis, transmission line transient modeling, electromagnetic transients. Prerequisite: ECE 332. [NEW]