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Conservation/Field Studies (CNFS)

Montclair State University

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Conservation / Field Studies

CMST698	Title Prerequisites Course Description	Master's Thesis. Departmental approval. Independent research project done under faculty advisement. Students must follow the MSU Thesis Guidelines, which may be obtained from the Graduate School. Students should take CMST 699 if they don't complete CMST 698 within the semester. Previous course SPCM 698 effective through Spring 2012.
CMST699	Title Prerequisites Course Description	Master's Thesis Extension. CMST 698. Continuation of Master's Thesis Project. Thesis Extension will be graded as IP (in Progress) until thesis is completed, at which time a grade of Pass or Fail will be given.
CNFS460	Title Prerequisites Course Description	Practicum in Environmental Education. EDFD 200. This course is designed to provide future teachers and supervisors with a background of experience and knowledge which will enable them to organize and conduct environmental education programs. Using an extensive library of environmental education materials, students formulate teaching units, lists of teaching aids, and projects suitable for use in environmental education programs. Participating in programs with school children in residence at the School of Conservation furnishes a practical background for environmental education development.
CNFS470	Title Prerequisites Course Description	Introduction to Wilderness Stewardship. EAES 201. Intensive two-week backcountry camping course to be held entirely in the field. Provides a basic understanding of how to utilize our natural areas with minimum environmental impact while pursuing outdoor recreational activities. An additional laboratory fee to cover food, lodging, and equipment is required.
CNFS471	Title Prerequisites Course Description	Fundamentals of Wilderness Leadership. CNFS 470. Intensive three-week backcountry camping course to be held entirely in the field. Throughout the program, leadership, judgment, conservation, and sound

CNFS472	Title Prerequisites Course Description	expedition skills and abilities are emphasized and practiced. A lab fee to cover the cost of food lodging, and equipment is required. Training for Wilderness Leaders. EAES 201. Intensive five week wilderness camping course to be held entirely in the field. Provides a basic understanding of backcountry principles and various travel skills and emphasizes leadership, judgment, conservation and sound expedition skills. A lab fee to cover the cost of food, lodging, and equipment will be required.
CNFS495	Title Prerequisites Number and type of credits Course Description	Workshop on Utilizing Natural Environments. EDFD 200. 1 hour lecture. To provide classroom teachers in all disciplines with experiences in using the environment to supplement classroom experiences. Opportunity for teachers to increase their knowledge of as well as skills in the techniques of incorporating the physical, biological, and socio-cultural components of the environment in their curricula will be emphasized through the use of small group lecture sessions held in the natural environment being described. Students are provided with the opportunity of administering and experimenting in each of four such environments out of a choice ranging from 15 to 20 specific subject areas.
CNFS496	Title Prerequisites Number and type of credits Course Description	Field Study in Humanities and Natural Science. EDFD 200. 1 hour lecture. Provides teachers in varied and diversified subject areas with an understanding of how the humanities and sciences may be taught in various environments for the purpose of developing an environmental sensitivity.
CNFS497	Title Prerequisites Number and type of credits Course Description	Field Studies in Social Studies and Outdoor Recreation. EDFD 200. 1 hour lecture. Provides an understanding of how outdoor pursuits and social studies may be taught using the environment to develop environmental sensitivity. Does not meet resident requirement.
CNFS500	Title	Curriculum Development in Environmental Education.

	Number and type of credits	3 hours lecture.
	Course Description	The historical, philosophical, and conceptual aspects of developing a K-12 environmental education curriculum. The focus is on the four major curriculum areas: humanities, social studies, environmental science and outdoor pursuits with proposed activities for the classroom, school grounds, community, and natural areas, intended to enhance the students' awareness of environmental problems and their possible solutions.
CNFS501	Title	Outdoor Teaching Sites for Environmental Education.
	Corequisites	CNFS 521.
	Course Description	This course will include a working definition of outdoor environmental teaching sites as they relate to current developments in environmental education. Also incorporated, through lecture and discussion, will be pertinent information on the philosophy, design, construction, and use of outdoor environmental teaching sites, with special emphasis on sites which can be developed on land areas adjacent to schools.
CNFS502	Title	American Heritage Skills.
	Corequisites	CNFS 522.
CNFS502	Number and type of credits	2 hours lecture.
	Course Description	This course will focus on the home lifestyle for the American colonies from the 1600s to the 1800s. Various skills such as spinning, working with wool, natural dyeing, candle making, rug making, soap making, quilting, and food processing will be demonstrated. Students will have the opportunity to develop their proficiency in these areas. The colonial living skills will be integrated into a general overview of the two-hundred-year period under consideration, rather than considered as isolated elements.
CNFS503	Title	Humanities and the Environment.
	Course Description	This course will focus on the cycle of humanity's relationship to nature, based on three sequential stages: 1) humans in nature, in which archaic religions, myths and legends will be investigated; 2) humans vs. nature, which will be a consideration of the alienation due to the influence of science and technology; and 3) humans and nature, which will consider the new mysticism of today. The coursework will include lecture, discussion, seminar,

CNFS504	Title Number and type of credits Course Description	and independent study. Field Techniques for Teaching the Humanities. 3 hours lecture. The focus of this course is the development and improvement of techniques for teaching the humanities via the natural environment. The course will include consideration of the process of communication, the development of perception and observational skills, creative writing, literature interpretation, music, philosophy, dramatics, art, as well as historical investigations and considerations of past ways of life through the study of colonial crafts.
CNFS505	Title Corequisites Number and type of credits Course Description	Society and the Natural Environment. CNFS 525. 2 hours lecture. This course will focus upon interrelationships of a forest ecosystem. Soil, water, plants, and animals found in a northeastern hardwood forest will be examined in detail. Their relationship to humankind will be discussed and reviewed.
CNFS510	Title Corequisites Course Description	Environmental Impact of Recreation on Natural Areas. CNFS 511. Students will examine the impact of recreation on natural areas in four of New Jersey's major ecosystems: upland forest, pine lands, salt marsh and barrier beach. Investigation of recreation records and plans will allow for comparison and contrast of heavily used sites with those which have been relatively undisturbed. Students develop "recreation impact statements". CNFS 511 must be taken concurrently.
CNFS511	Title Corequisites Course Description	Field Investigation of Environmental Impact of Recreation on Natural Areas. CNFS 510. The field experiences in this one-credit course are designed to support and supplement the theoretical foundations communicated in the course, "Environmental Impact of Recreation on Natural Areas" (CNFS 510), and to provide practical exercises in measuring impact on recreational areas. CNFS 510 must be taken concurrently.
CNFS521	Title Corequisites	Field Laboratory Experience in Outdoor Teaching Sites for Environmental Education. CNFS 501.

	Course Description	The field experiences in this one credit course are designed to support and supplement the theoretical foundations communicated in the course, "Outdoor Teaching Sites for Environmental Education" (CNFS 501), and to provide practical field exercises in developing environmental education teaching site strategies.
CNFS522	Title	Field Laboratory Experience in American Heritage Skills.
CNFS522	Corequisites Course Description	CNFS 502. The field experiences in this one-credit course are designed to support, supplement, and amplify the theoretical foundations communicated in the course, "American Heritage Skills" (CNFS 502), and to provide practical applications of both the content of American Heritage Skills and its methodology.
CNFS525	Title Corequisites Course Description	Field Laboratory Experience in Society and the Natural Environment. CNFS 505. The field experiences in this one-credit course are designed to support and supplement the theoretical foundations communicated in the course, "Society and the Natural Environment" (CNFS 505).
CNFS530	Title Course Description	Workshop in Wildlife Management Education. This is a field course designed to provide information about wildlife and environmental topics to be included in a school curriculum. Curriculum supplements include Project WILD and Aquatic WILD.
CNFS595	Title Prerequisites Number and type of credits Course Description	Conservation Biology: The Preservation of Biological Diversity. One semester of college biology with laboratory. 3 hours lecture. This course addresses concerns about the loss of biological diversity and genetic resources through species extinctions. Students will learn about the importance of maintaining biological diversity, the problems involved in monitoring and protecting sensitive and crucial habitat, the impact of human societies on biodiversity, the alternatives to the destruction of habitat/species, the prospects of restoration, and the policies needed to prevent the loss of biological diversity. Students will also learn about population processes that are directly related to species survival. This

		course is cross listed with BIOL 595.
CNFS601	Title	Advanced Environmental Education Seminar.
	Prerequisites	CNFS 500.
	Corequisites	CNFS 621.
	Number and type of credits	2 hours seminar.
	Course Description	The seminar for advanced students who want to examine, in depth, a selected topic related to current developments in environmental education. The seminar will choose a particular issue facing environmental education, develop a method for studying that issue, and produce a publishable work (e.g., curriculum materials or academic paper) related to the topic.
CNFS609	Title	Independent Study in Environmental Curriculum Development.
	Prerequisites	Departmental approval.
	Course Description	Teachers, who have participated in academic programs at the School of Conservation and wish to deepen their understanding of environmental education activities, may enroll in this independent study. In doing so, they may develop an environmental education program for a specific grade level, subject discipline, or school district. Credit is dependent on the scope and depth of the program to be developed. May be repeated for a maximum of 4.0 credits.
CNFS610	Title	Administration and Supervision of Environmental Field Study.
	Corequisites	CNFS 620.
	Number and type of credits	2 hours lecture.
	Course Description	This course is intended to provide an overview of administrative procedures in organizing and implementing a day or resident program in environmental education. Among the areas to be reviewed are: historical and philosophical perspectives, development of a field curriculum, staff selection and training, financial management, facility design, and selection of equipment.
CNFS620	Title	Field Laboratory Experiences in Admin and Supervision of Environmental Field Study.
	Corequisites	CNFS 610.
CNFS620	Course Description	The field experiences in this one-credit graduate course are designed to support and supplement the theoretical foundations communicated in the course, "Administration and Supervision of Environmental Field Study" (CNFS 610) and

		to provide opportunities to conduct on-site facility evaluation, test teaching equipment, discuss training programs with faculty at other facilities, and review financial management and business procedures used in the variety of centers.
CNFS621	Title	Field Laboratory Experience in Environmental Education.
	Corequisites	CNFS 601.
	Course Description	The field experiences in this one credit course are designed to support and supplement the theoretical foundations communicated in the course "Advanced Environmental Education Seminar" (CNFS 601).
COED201	Title	Community-Based Learning.
	Special Fee	Special fee.
	Course Description	The course is offered to students engaging in community-based learning. It provides the opportunity for students to participate, observe, reflect, and synthesize the experience. It will advance civic and professional development of students through practical experience in the local and business community.
COED401	Title	Cooperative Education Experience I.
	Prerequisites	Determined by individual academic departments.
	Special Fee	Special fee.
	Course Description	Cooperative Education is an internship program that integrates academic study and classroom theory with on-the-job experiences. It involves an educational partnership among Montclair State, business and non-profit organizations for the professional development of students. Academic faculty assess the learning and award credits and a supervisor/employer evaluates progress. Students may not exceed 16 credits through enrollment in multiple co-op courses.
COED402	Title	Cooperative Education Experience II.
	Prerequisites	Determined by individual academic departments.
	Special Fee	Special fee.
	Course Description	Cooperative Education is an internship program that integrates academic study and classroom theory with on-the-job experiences. It involves an educational partnership among Montclair State, business and non-profit organizations for the professional development of students. Academic faculty assess the learning and award credits and a supervisor/employer evaluates progress. Students may not exceed 16 credits through enrollment in multiple co-op courses.