

Theme Based and Topics Course Descriptions

FALL 2011

AF 2883-01 AQUACULTURE TOPICS: HATCHERY OPERATIONS

Practical hatchery management with best practice (BMP) and the problems that also arise in fish culture. Discussion topics will include facility design, diet, disease control, and environmental concerns. Focus will be species cultured in Maine with focus on native species cultured for market or remediation of natural populations with less attention to exotic species for commercial production.

Credits: 3

Prerequisites:

AR 2103-01 SUBJECTS IN ART: DOCUMENTARY FILM STUDY AND PRODUCTION

From *Roger and Me* to *An Inconvenient Truth*, documentary films have become one of the most relevant and powerful contemporary media. In this course students will learn the basics of documentary critique, then practice critique at the Camden International Film Festival and Points North Documentary Forum. Students will produce a documentary film and will gain experience in documentary planning, filming, interviewing, camera technique, film-editing, and post-production. *This course requires attendance at the Camden International Film Festival and Points North Documentary Forum (9/29-10/3/2011). This course has a \$75 fee.*

Fee: \$75.00

Credits: 3

Prerequisites: None

AR 2113-01 CREATIVE WRITING: FICTION

From Edgar Allan Poe to Dr. Seuss, from Sarah Orne Jewett to Joyce Carol Oates, writers have made the short story one of the most potent literary forms over the past 200 years. In this class, students will have the opportunity to refine their own authorial voices while crafting their own works of fiction. Throughout the semester, we'll read exemplary works of short fiction and develop our own use of devices such as characterization, conflict, dialog, and establishing a sense of place. Students will have the opportunity to share their work with others and participate in a variety of different workshop environments with an eye towards publishing a class anthology of stories.

Credits: 3

Prerequisites: EH 1113

BI 3263-01 ECOLOGY OF NATURAL COMMUNITIES: AVIAN MIGRATION

The course will examine methods used and problems encountered by birds during migration. Comparison of strategies among different bird taxa will be made with emphasis on natural history and ecology of Maine birds. The students will learn the underlying reasons and physiological adaptations required for migration as well as how some birds adapt to changing conditions such as climate change. Approaches to bird conservation that consider migration ecology will be highlighted. The course will require at least one Saturday field trip and a project.

Credits: 3

Prerequisites: BI 2004

CL 3000-01 NPS –SEASONAL LAW ENFORCEMENT TRAINING PROGRAM

The Seasonal Law Enforcement Training Program (SLETP) was first developed in 1977 to prepare seasonal park rangers to perform law enforcement in areas administered by the National Park Service. The training program is being offered by Unity College and the National Park Service at the Schoodic Education and Research Center in the fall of 2011. This intensive 400+ hour training program includes such topics as federal criminal law and court procedures, pistol and shotgun qualifications, emergency response driving, patrol skills, and defensive tactics. Unity students will receive 16 course credits for successful completion of the course of instruction. This course of study is mandatory for all those seeking to work in National Parks, National Wildlife Refuges and other federal land agencies.

Students enrolled in this program will live on campus at the SERC campus located in Acadia National Park's Schoodic Peninsula. Cost for the program includes tuition (16 credits), room/board, and a course fee. The instruction will take place Monday – Friday 8 am to 5 pm with evenings and weekend study expected.

A successful graduate becomes eligible to receive a Type II law enforcement commission once a background investigation, drug testing and medical screening is completed. **Information regarding medical standards** for commissioned rangers can be found [Medical Standards](#)

There are physical fitness requirements as well and they can be found here [Physical Fitness standards](#)

Once obtained, the commission enables the bearer to carry firearms, make arrests, investigate crimes and assist in the execution of warrants with all Federal Land Management Agencies (BLM, USFWS, and NPS)

Credits: 16

Prerequisites: Must be on the list of students eligible to enroll in this program.

EH 1113-01 COLLEGE COMPOSITION: WRITING FOR SOCIAL CHANGE

What is it that creates such a calling or driving force within individuals that they would put their own lives at risk to work for the betterment of society as a whole? In this course, we will explore the writings of social activists and discuss ways that individuals work to affect change within our society. Students will be asked to develop an informed opinion on issues such as racial injustice and discrimination, hunger and poverty, and peace and war, and to consider the actions individuals sometimes take as a response to such issues. As we discuss these and other topics, students will be expected to share their thoughts orally and in writing that emphasizes thesis-driven arguments. The culminating activity for the course will be a research project that explores an area of social need and possible actions to help solve those needs.

Prerequisites: Placement

Credits: 3

EH 1113-02 COLLEGE COMPOSITION: CONTEMPORARY ISSUES

This writing course develops reading, thinking and revision skills, with particular emphasis on research-based arguments that address contemporary social issues. Frequent writing assignments are designed to prepare students for the types of writing they will be expected to produce in upper-level courses. The drafting process will aid students in re-evaluating the content, structure, and point of view of previous drafts.

Prerequisites: Placement

Credits: 3

EH 1113-03 COLLEGE COMPOSITION: WRITING ABOUT THE NATURAL WORLD

Students will write and revise essays about aspects of the natural world, with all its components, complexities and man-made problems. Emphasis will be on reading, observation and analysis, followed by development of a written point of view. Readings will include *A Sand County Almanac*, by wildlife management pioneer Aldo Leopold, along with works by naturalist Annie

Dillard and others.

Credits: 3

Prerequisites: LR 1013 or Placement

EH 1113-04 COLLEGE COMPOSITION: UTOPIA AND DYSOTOPIA

We will begin to consider the best and the worst of all possible worlds by reading two texts that imagine the world in diverse ways: the graphic novel *V for Vendetta* by Alan Moore and David Lloyd and Ursula K. Le Guin's short story "The Ones Who Walk Away from Omelas." These texts will serve as springboards for students to pose questions that will lead to research projects. Students will practice informal and formal writing in a range of genres for a variety of audiences.

Prerequisites: Placement

Credits: 3

EH 1113-05 COLLEGE COMPOSITION: WRITING ABOUT THE NATURAL WORLD

Students will write and revise essays about aspects of the natural world, with all its components, complexities and man-made problems. Emphasis will be on reading, observation and analysis, followed by development of a written point of view. Readings will include A Sand County Almanac, by wildlife management pioneer Aldo Leopold, along with works by naturalist Annie

Dillard and others.

Credits: 3

Prerequisites: LR 1013 or Placement

EH 1113-06 COLLEGE COMPOSITION: CONTEMPORARY ISSUES

This writing course develops reading, thinking and revision skills, with particular emphasis on research-based arguments that address contemporary social issues. Frequent writing assignments are designed to prepare students for the types of writing they will be expected to produce in upper-level courses. The drafting process will aid students in re-evaluating the content, structure, and point of view of previous drafts.

Prerequisites: Placement

Credits: 3

EH 1113-07 COLLEGE COMPOSITION: UTOPIA AND DYSOTOPIA

We will begin to consider the best and the worst of all possible worlds by reading two texts that imagine the world in diverse ways: the graphic novel *V for Vendetta* by Alan Moore and David Lloyd and Ursula K. Le Guin's short story "The Ones Who Walk Away from Omelas." These texts will serve as springboards for students to pose questions that will lead to research projects. Students will practice informal and formal writing in a range of genres for a variety of audiences.

Prerequisites: Placement

Credits: 3

EH 2073-01 AMERICAN LITERATURE: THE POETICS OF WATER

Bodies of water--from puddles and rivulets to streams, rivers, lakes, and oceans--contain rich symbols in American Literature. This symbolism spans the thematic spectrum: ideas of constancy to change, isolation to exploration, personal growth to familial importance, conservation to exploitation, love and birth to grief and death, and more. We are ourselves composed primarily of water and dependent on it for survival. Through reading fiction, non-fiction, and poetry and writing literary analyses, comparative essays, and personal narratives, we will explore the poetics of water and its integrality to our lives.

Prerequisites: EH 1113

Credits: 3

EH 3881-01 WRITING FOR NEW MEDIA

Do you dream of running your own business? Of advocating for an environmental cause? Of establishing yourself as a prominent voice in the field of environmental studies or

publishing? If so, then this course is for you. Throughout the semester, we'll examine the ways in which new media is shaping 21st century conversations about the environment and our relationships therein. To this end, we will explore ways that tools such as Facebook, Twitter, Youtube, and blogs are changing the face of human interaction. We'll work to build digital platforms and use social network sites as a basis for creating readership and a community of supporters. Along the way, you'll have the opportunity to apply these examinations to a cause of your own choosing. Whether it's raising awareness about local food, finding clients for your new guiding business, or getting an unpublished book of poetry out into the reading public, this course will give you the tools you need to communicate in the digital age.

Prerequisites: EH 1113

Credits: 1

ES 1001-01 SCUBA DIVING (SEPT 8TH – OCT 17TH)

The PADI Open Water course introduces you to the basics of Scuba Diving, including theory, equipment, and the underwater world and environment. You learn diving in a swimming pool, starting in shallow water, eventually spending time having fun in deep water by the end of the course. After the academic and confined water training, you complete your certification by making four dives in open water. Successful PADI certification is required to pass the course.

Credits: 1

Prerequisites: Marine Biology major, ability to swim 200m/yds, and ability to float/tread water for 10 minutes.

Fee: \$390.00

ES 4501-01 ES SEMINAR: FUR TRAPPING

This seminar will discuss trapping tools, traps, and lures and attractants used to harvest North American furbearers. Skinning of animals, raw fur preparation, and markets will also be covered. General regulations that govern trapping will be emphasized. A hands on approach will be used with both equipment and animals. This seminar will explain the activities of a public user group that biologists and wardens will encounter in the field.

Credits: 1

Prerequisites: Junior Status

ES 4511-02 ES SEMINAR: FISHERIES MANAGEMENT IN MAINE

A review of fisheries management in Maine with case studies for freshwater systems. Discussions will focus on the mosaic of water quality, native and introduced fishes, resource use, management by rule or regulation, and public policy during their tenure as practicing resource manager.

Credits: 1

Prerequisites: Junior Status

ES 4521-03 ES SEMINAR: KEEPING AHONEYBEE COLONY

In this course, students will learn about honeybees and the cultivation of a honey crop. We will examine the social behaviors of the honeybee, including honeybee communication. We will study the importance of their role as primary pollinators of many food crops. We will research and discuss the current knowledge surrounding colony collapse disorder. Students will learn about and hopefully participate in the set up and maintenance of beehives. We will learn about developing a honey crop and how honey is extracted and modes of marketing honey on a local as well as larger scale. This course will incorporate guest speakers who may add their own perspectives on the topic.

Credits: 1

Prerequisites: BI 1024 or BI 1124

IC 2213-01 ENVIRONMENTAL CITIZEN: PUBLIC ARCHAEOLOGY OF SANDY STREAM

In the 1830s Sandy Stream, now peaceful and rural, was a power source for water-powered mills and factories. We'll do field archaeological digs and documentary research to tell Unity's story of energy use, its rise and decline (and to overcome common stereotypes about "untouched rural Maine") and create history that's accessible to the public. We'll collect the data and serve as "expert clients" for students from the Interpretive Methods class, who will work with us to put it into the form of brochures, trail-side signage, and media presentations which can then be put on the new footpath and bridge.

Prerequisites: IC 1111 or IC 1113 and Sophomore Status

Credits: 3

IC 2213-02 ENVIRONMENTAL CITIZEN: DO YOU MOO?

Do you MOO? MOO Milk is a project developed by MOFGA and the Maine Farms Bureau to provide education regarding the importance of local agriculture and to support organic dairy farmers in Maine. Students in this section of The Environmental Citizen will work with MOO Milk representatives to create and deliver a social marketing campaign to promote MOO Milk. If you are (or are interested in becoming) technologically skilled, committed to local agriculture, culturally savvy, creatively blessed, seriously outgoing, highly organized, or good at group leadership...then you might just MOO! *The class will present its work at the UC Student Conference in December.*

Prerequisites: IC 1111 or IC 1113 and Sophomore Status

Credits: 3

IC 2213-03 ENVIRONMENTAL CITIZEN: TRAILS AND TOURS AT MOFGA

Do you love working outdoors in the fall? Do you aspire to connect the public to environmental projects? Trails and Tours at MOFGA will enable you to do both. We'll help extend the existing trail system at the Common Ground Education Center of the Maine Organic Farmers and Gardeners Association in Unity, and we'll write about features on that trail, such as specific plants of interest; low-impact forestry projects; and a trail bridge built with sustainability

in mind. Your writing will be incorporated into MOFGA's self-guided tour publications that will be available to the public.

Prerequisites: IC 1111 or IC 1113 and Sophomore Status

Credits: 3

IC 2213-04 ENVIRONMENTAL CITIZEN: LOSS OF HEMLOCK FORESTS

How do we value eastern hemlock in mid-coast Maine? The old growth tree species, eastern hemlock is disappearing from the east coast due to an invasive pest. Work with local woodland owners to assess what is truly at stake. Students taking this course will explore the philosophical, ecological, and economic underpinnings to how value is assigned to our natural resources. Students will engage with stakeholders to develop a survey to assess the non-consumptive value of old growth eastern hemlock forests.

Credits: 3

Prerequisites: IC 1111 or IC 1113 and sophomore status

IC 2213-05 ENVIRONMENTAL CITIZEN: FALL HARVEST AND STORAGE

Last fall students used their hands, heads and hearts to build a top-notch root cellar near campus gardens. This year students will complete the construction, assist with the harvest, fill the cellar and develop operating procedures with Unity Campus dining services. Students will also partner with the Newforest Institute to complete the construction and loading of their root cellar. As the weather turns cold, they will complete the operator's manual for the root cellar, develop recommendations for varieties to plant in 2012 that have particular storage and taste qualities, and meet with local organizations and schools to assess how local food security might be enhanced through developing regional food hubs as well as small, distributed food storage facilities

Credits: 3

Prerequisites: IC 1111 or IC 1113 and sophomore status

OS 2882-01 TRADITIONS OF THE SEA

Since the first Native Americans and European explorers arrived, Maine and its occupants have been defined by a working relationship with the sea. In this course, we'll examine and pay homage to those traditions. Throughout the semester, you will have the opportunity to read classic nautical narratives such as George Weymouth's legendary account of sailing the Maine coast. You will also learn basic seamanship and boat handling. Finally, we will be working with Apprenticeshop, a traditional boat-building school in Rockport. Through this partnership, students in this course will explore wood working techniques, charting, sailing, and the culture of a working waterfront.

This course will include two mandatory trips. The first is a Saturday excursion to the Lincolnville Boat Club on Norton Pond, where students will learn to sail. The second is a trip sailing Maine's coast on board the Apprenticeshop's long boats.

Fee: \$200.00

Credits: 2

Prerequisites: None