

ENR 5690 - Workshop in Environmental Education: Water and Wildlife Training for Educators

Instructors

Ohio Sea Grant Education Specialists and Classroom Teachers

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Course Logistics

One-week course held at Stone Laboratory, Put-in-Bay, Ohio, July 23-29, 2017.

Sunday check-in and orientation. Class meets Sunday evening; Monday-Friday, 8 am - 5 pm with breaks for lunch and dinner (further evening class activities may also be scheduled); and Saturday, 8 am – 12 pm.

Course Format

An immersive, hands-on workshop based on learning by doing. Individual and cooperative group activities in the classroom and outdoors. Attention to learning styles, applications of educational research, regional education opportunities and resources, and curriculum needs at different grade levels and in nonformal settings. Classwork will take us to multiple Lake Erie islands and coastal areas. Taken as a college credit course, students earn 2 semester credit hours.

Course Description

A field-based opportunity to receive certification in *Project Wild*, *Project Wild Aquatic*, *Science and Civics*, *Project Wet*, and *Healthy Water, Healthy People* educational curricula

Participants will:

- use the resources of Stone Laboratory, Lake Erie and the Island region to gain hands-on experience with the lessons
- practice and model the use of inquiry-based pedagogical strategies
- identify lesson alignments to state standards and Great Lakes Literacy Principles
- explore and critically evaluate online Great Lakes resources that can supplement water and wildlife curricula
- construct assessment questions at various levels of cognitive demand to accompany lessons
- develop a plan for integrating multiple lessons into their specific educational settings
- experience stewardship activities for enhancing community understanding and the Great Lakes environment

Course Materials

All curriculum materials will be provided free of charge to participants. Internet use will be frequent so a laptop computer equipped for wireless access will be helpful.

Course Outline (Subject to change)

Each day's class will be a combination of lessons from all four curriculum guides along with demonstration and practice of instructional methods. Specific lessons from each curriculum guide will be chosen based on participants' needs. Participants will be peer teaching in addition to facilitator-lead activities. Educators may expect to use activities just as they would in their formal or informal settings, and best practices in science/environmental education will be modeled.

In addition to curricular lessons, daily hands-on field trips or science experiences will be scheduled. Please note, all plans are tentative based on weather, class readiness, and availability of lab resources.

Day	Activities
Sunday	Evening: Participant introductions and course overview; Pre-assessment Introduction to curriculum & literacy frameworks; Field collection techniques
Monday	Daily Theme: <i>Land and Water Interactions</i> Afternoon: Field Trip to Kelleys Island
Tuesday	Daily Theme: <i>Organisms, Habitats and Ecosystems</i> Afternoon: Science Cruise
Wednesday	Daily Theme: <i>Human and Nature Interactions</i> All Day: Field Trip to Mainland, East Harbor State Park, Old Woman Creek
Thursday	Daily Theme: <i>Assessing Water Quality</i> Afternoon: Macroinvertebrate sampling on Alligator Bar Evening: Research brief, followed by guest lecture
Friday	Daily Theme: <i>Water and Wildlife Impacts on Society</i> Evening: Field Trip to South Bass Island State Park
Saturday	Morning: Presentation of Integration Action Plan Post-assessment and evaluations

Major Assignments and Grading Information

Grading Scale

Daily participation in class activities	20%	90-100%	A
Daily assignments based on class activities	20%	80-89%	B
Reflective note-taking	20%	70-79%	C
Peer teaching of an activity	10%	60-69%	D
Creation of an extension activity for an existing lesson	10%	<60%	E
Integration Action Plan	20%		

Attendance Policy

Students are expected to actively participate in all class sessions, including lectures, fieldwork and laboratory time.

Academic Misconduct

It is the responsibility of the Committee on Academic Misconduct to investigate or establish procedures for the investigation of all reported cases of student academic misconduct. The term "academic misconduct" includes all forms of student academic misconduct wherever committed: illustrated by, but not limited to, cases of plagiarism and dishonest practices in connection with examinations. Instructors shall report all instances of alleged academic misconduct to the committee (Faculty Rule 3335-5-487). For additional information, see the Code of Student Conduct <http://studentlife.osu.edu/csc/>.

Disability Services

Students with disabilities that have been certified by the Office for Disability Services will be appropriately accommodated and should inform the instructor as soon as possible of their needs. The Office for Disability Services is located in 150 Pomerene Hall, 1760 Neil Avenue; telephone 614-292-3307, TDD 614-292-0901; <http://www.wds.ohio-state.edu/>.