

Established in 1895, Stone Laboratory is the oldest freshwater biological field station in the United States. The lab is the summer island campus on Lake Erie for The Ohio State University, offering 25 college credit courses and a variety of non-credit workshops each year to students from universities across the country.

When you study at Stone Lab, Lake Erie is your classroom and your laboratory. Each course is hands-on,

designed to give you invaluable real-world experience in the sciences.

Stone Lab programs have introduced thousands – from elementary students to adults – to the basics of field-based biological science. Professional researchers from all over the Midwest work here helping to solve the most pressing issues facing the Great Lakes, such as invasive species and toxic algal blooms.

OHSU-SLC-1579



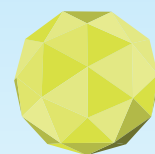
**THE OHIO STATE UNIVERSITY**

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# STONE LABORATORY

*Ohio State's Island Campus on Lake Erie*



**2016 COURSE OFFERINGS**

# STONE LABORATORY Summer Courses 2016

Stone Lab offers one-day, two-day, one-week or five-week science courses as well as the five-week Research Experience for Undergraduates Scholarship Program. Any course can also be taken as a non-credit workshop (see requirements below). Detailed course descriptions can be found online at [stonelab.osu.edu](http://stonelab.osu.edu).

## Introductory Courses – 2 credits

Run Sunday-Saturday and are open to advanced high school and current college students.

### June 12-18

- ENR 2360 Ecology and Conservation of Birds
- EARTHSC 1107 Field-Based Introduction to Oceanography
- EEOB 1930 Introduction to Biological Studies – Aquatic Biology
- KNSHP 1140.05 Lake Erie Sport Fishing

### July 24-30

- EEOB 1930 Introduction to Biological Studies – Aquatic Biology
- EEOB 1920 Introduction to Biological Studies – Birds

### July 31-August 6

- EEOB 1930 Introduction to Biological Studies – Aquatic Biology
- EEOB 1910 Introduction to Biological Studies – Local Plants
- ENTMLGY 1260 Introductory Insect Field Biology



## Upper-Level Courses

Open to college students who are studying biological sciences, education and natural resources as well as science teachers.

### Five-Week Courses – June 19-July 23, 4 credits

- EEOB 5420 Aquatic Ecosystems – Ecology of Inland Waters (TRS)
- EEOB 3420 Behavioral Ecology (MWF)
- EEOB 3410 Ecology (TRS)
- EEOB 3310 Evolution (MWF)
- EEOB 5940 Field Zoology (TRS)
- EEOB 5930 Ichthyology (MWF)

### One-Week Courses – 2 credits

- June 12-18**  
EEOB 5910 Field Herpetology
- July 24-30**  
EEOB 4950 Field Ecology
- July 31-August 6**  
EEOB 5210 Spider Biology



## Other Courses

### Thursdays June 16-August 4, 1 credit

- ENR 5699 Current Topics in Environment and Engineering (Guest/Research Lecture)

### June 26, .5 credit

- EEOB 5970 Larval Fish Identification Workshop

### August 4-19, 2 credits

- EEOB 3189 Field Course: Environmental Science on the Flagship *Brig Niagara*

### August 8-9 or August 10-11, .5 credit

- EEOB 5950 Algae Identification Workshop

## Non-Credit Workshops

One- to three-day courses open to the public. Participants must be at least 18 years of age and have completed high school.

### June 25

- Fish Aging Workshop

### June 26

- Larval Fish Identification Workshop

### July 9

- Fisheries Fundamentals Workshop

### August 8-9 or August 10-11

- Algae Identification Workshop

### August 8-9 or August 10-11

- Dealing with Cyanobacteria, Algal Toxins and Taste & Odor Compounds

### August 15-17

- Aquatic Invasive Species – Hazard Analysis and Critical Control Point (AIS-HACCP)

### August 19-21

- Outdoor Photography Workshop

### September 23-25

- Lake Erie Sport Fishing Workshop

### September 24-25

- Fish-Sampling Techniques Workshop

## Courses for Educators – 2 credits

One week. Open to education students and both formal and informal educators.

### July 16-22

- EARTHSC 5189.05 Field Geology for Educators: Geologic Setting of Lake Erie

### July 24-30

- ENR 5194 Group Studies: Water and Wildlife Training for Educators
- EEOB 4950 Field Ecology

### July 31-August 6

- EEOB 4920 Ornithology for Teachers

## REU Program

Stone Lab's five-week Research Experience for Undergraduates (REU) Scholarship Program must be paired with one of the five-week upper-level courses. Students spend non-class days working with research supervisors, collecting data, analyzing discoveries and preparing a final presentation.

- Ecology of the round goby: analysis of the condition of this Western Lake Erie Basin invader (Ichthyology)
- Ecology and conservation issues in northern Ohio crayfish (Ecology)
- Survival of birds inhabiting the Lake Erie Islands (Ornithology)
- Fish investigations to inform fisheries management (Fisheries Research/Management)
- Exploration of Lake Erie nutrient loading, hypoxic events (the "dead zone") and harmful algal blooms (Limnology)

## Tuition Assistance and Jobs

All students taking for-credit courses are eligible for scholarship funds. The average award for high school students in 2015 was around \$600, while undergraduate students were awarded an average of about \$1,200. Students enrolled in five-week courses can also apply for part-time jobs at Stone Lab to cover the cost of room and meals.



Course credits are based on the Ohio State University semester credit system and are transferable to most colleges and universities.