2014 Spring/Summer Field Courses

SPRING I: May 18 - June 14
- Biology of Birds - EEB 330
- General Ecology - EEB 381
- Ethnobotany - EEB 455

SPRING II: June 1 - 14
- Field Methods in Great Lakes Oceanography - EEB 401 / NRE 501

SUMMER: June 21 - August 16
- Rivers, Lakes and Wetlands - EEB 320 / ENVIRON 311
- Environmental Writing and Great Lakes Literature - ENG 329 / ENVIRON 329
- Forest Ecosystems - EEB 348 / ENVIRON 348
- General Ecology - EEB 381
- Natural History and Evolution - EEB 390
- Biology of Animal Parasites - EEB 431
- Biology of Insects - EEB 442
- Field Mammalogy - EEB 453
- Algae in Freshwater Ecosystems - EEB 457
- Limnology: Freshwater Ecology - BIO 482
- Field Botany of Northern Michigan - EEB 556

Research Experiences for Undergraduates (REU)
June 17 - August 16, 2014
- $5,000 stipend
- Travel and research supplies allowance
- Room and board covered at UMBS

If selected for this nationally competitive program, you will work with a faculty mentor to design your own research project. By the end of the summer, you will have written your own scientific paper, as well as participated in special workshops and group discussions.

REU applications are available on the UMBS website beginning in December and have a February 1, 2014 deadline.

Participants must be of at least junior status at the start of the summer program and be permanent residents of the United States.

www.lsa.umich.edu/umbs/
2014 Courses

FULL DESCRIPTIONS, TUITION AND INSTRUCTOR INFO ON OUR WEBSITE

May 18 - June 14
**SPRING I SESSION**: Classes meet 5 days/week for 4 weeks. Each class is worth 5 credits.

**Biological Oceanography** (EEB/BIO 480); Moore
Learn the fundamentals of aquatic ecology (with an emphasis on lakes) from an ecosystem-level approach. Gain experience in field sampling, laboratory and data analysis and interpretation.

**Field Methods in Great Lakes** (EEB 329/ENVIRON 329); Albert
Learn fundamental physical, chemical, and biological concepts and basic techniques necessary for the study of aquatic ecosystems.

**General Ecology** (EEB 381); Heinen, Karowe
Study the factors influencing the distribution and abundance of life. Course topics focus on individual, population, community ecology, and ecosystem ecology. (Equivalent to EEB 281 and 282.)

**Ethnobotany** (EEB 455); Herron
Learn to identify, classify, harvest and culturally process many of the northern Michigan plants used for food, medicines, crafts, cordage, teas and ceremonies during pre- and post-European-American contact.

June 1 - 14
**SPRING II SESSION**: Class meets every day for 2 weeks and is worth 2 credits.

**Field Methods in Great Lakes Oceanography** (EEB 601/REN 501); Fűszerentiel, Nalepko, Schowb
Use a variety of traditional and state-of-the-art techniques to characterize biological communities and measure important physical and biological processes in the Great Lakes from the decks of several research vessels.

June 21 - August 16
**SUMMER SESSION**: Students take 2 classes, each of which meets 2 days/week. Each class is worth 5 credits.

**Rivers, Lakes and Wetlands** (EEB 320/ENVIRON 321); Albert
Learn fundamental physical, chemical, and biological concepts and basic techniques necessary for the study of aquatic ecosystems.

**Environmental Writing and Great Lakes Literature** (ENGL 329/ENVIRON 329); Taylor
Combine discussion of some classic examples of nature writing from this region with composition of essays and personal narratives about your experiences with the natural world.

**Forest Ecosystems** (EEB 348/ENVIRON 348); Fisher
Study the ecology of forest species and the characteristics of ecological systems that support them. Emphasis is placed on the integration of topography, soil, and vegetation at each field site.

**General Ecology** (EEB 381); Pillsbury, second instructor TBA
See Spring I Session course description.

**Natural History and Evolution** (EEB 390); Pratt-Jones
Learn about evolutionary biology while being exposed to the unique natural history of northern Michigan in this evolution field course.

**Biology of Animal Parasites** (EEB 432); Blankespoor
Study the ecological aspects of animal parasite populations (including those infecting humans). Field and laboratory techniques for studying host-parasite relationships are emphasized.

**Biology of Insects** (EEB 442); Scholten
Meet the beetles. This course introduces you to entomology, emphasizing the diversity of insects and their ecology, behavior, physiology and conservation biology.

**Algae in Freshwater Ecosystems** (EEB 457); Lowe and Kociolek
Study the ecological aspects of animal parasite populations (including those infecting humans). Field and laboratory techniques for studying host-parasite relationships are emphasized.

**Field Botany of Northern Michigan** (EEB 556); Davis and Reznicek
Get in the field for a comprehensive study of the region’s vascular plants, including characteristic species of terrestrial and wetland species known for their rarity or distinctive distribution patterns.

**Limnology: Freshwater Ecology** (EEB/BIO 485); Moore
Learn the fundamentals of aquatic ecology (with an emphasis on lakes) from an ecosystem-level approach. Gain experience in field sampling, laboratory and data analysis and interpretation.

**Field Botany of Northern Michigan** (EEB 556); Davis and Reznicek
Get in the field for a comprehensive study of the region’s vascular plants, including characteristic species of terrestrial and wetland species known for their rarity or distinctive distribution patterns.

Print and complete the application on our website OR come to our Ann Arbor office:

2841 CHEMISTRY BLDG., Rm N, UNIVERSITY AVE., ANN ARBOR, MI 48109-1055.
Please call or e-mail us (734-763-4461; umbs@umich.edu) with any questions.

WWW.LSA.UMICH.EDU/UMBSS/
We offer both Merit- and Need-Based Support.
University of Michigan students may also apply for aid through the U-M Office of Financial Aid.

Scholarship and Financial Assistance Application:
www.lsa.umich.edu/umbss/
PRIORITY CONSIDERATION DEADLINE FOR FINANCIAL ASSISTANCE IS MARCH 15, 2014.

FINANCIAL AID AVAILABLE

Apply for aid through the U-M Office of Financial Aid.

University of Michigan students may also apply for aid through the U-M Office of Financial Aid.

Scholarship and Financial Assistance Application:
www.lsa.umich.edu/umbss/

PRIORITY CONSIDERATION DEADLINE FOR FINANCIAL ASSISTANCE IS MARCH 15, 2014.

Print and complete the application on our website OR come to our Ann Arbor office:

2841 CHEMISTRY BLDG., Rm N, UNIVERSITY AVE., ANN ARBOR, MI 48109-1055.
Please call or e-mail us (734-763-4461; umbs@umich.edu) with any questions.

*Scholarship and Financial Assistance Application:*
www.lsa.umich.edu/umbss/

**PRIORITY CONSIDERATION DEADLINE FOR FINANCIAL ASSISTANCE IS MARCH 15, 2014.**

PRINTED ON 100% POST-CONSUMER RECYCLED PAPER

**University of Michigan Nondiscrimination Policy**

The University of Michigan, as an equal opportunity/affirmative action employer, complies with all applicable federal and state laws regarding discrimination and affirmative action. The University of Michigan is committed to a policy of equal opportunity for all persons in employment, education, facilities utilization, and other aspects of University activity and does not discriminate on the basis of race, color, national origin, age, sex, gender identity, sexual orientation, affected status, disability, height or weight, veteran status, or any other characteristic protected by federal or state law. The University of Michigan is committed to a policy of equal opportunity for all persons in employment, education, facilities utilization, and other aspects of University activity and does not discriminate on the basis of race, color, national origin, age, sex, gender identity, sexual orientation, affected status, disability, height or weight, veteran status, or any other characteristic protected by federal or state law. For additional information or to report a violation, see UM’s Nondiscrimination Policy at www.umich.edu/administration/policies/sexualviolence.html. To report a violation of the University of Michigan’s Nondiscrimination Policy, please contact: the Office of Institutional Equity at 734-763-9716 or 1-800-936-7539 (TTY); or the Title IX/Section 504/ADA Coordinator at 734-763-3530 or 1-800-936-7539 (TTY). The Title IX/Section 504/ADA Coordinator is located at 1260 Beal Avenue, Suite 200, Ann Arbor, MI 48109-1069. For other University of Michigan information call 734-764-1817.

**Reports of the University**

Mark J. Fenniman, Ann Arbor | Julia Donnan Darlow, Ann Arbor | Lawrence B. Deitch, Bloomfield Hills | Shana Ryder Diggel, Traverse City | Renato Hich, Bingham Farms | Andrea Fischer Newman, Ann Arbor | Andrew C. Baldwin, Grosse Pointe Park | Katherine E. White, Ann Arbor | Mary Sue Coleman, ex officio

Director for Institutional Equity, and Title IX/Section 504/ADA Coordinator, Office of Institutional Equity, UM Office Building, Suite 200, 1260 Beal Avenue, Ann Arbor, MI 48109-1069. TTY 734-647-1388. For other University of Michigan information call 734-764-1817.