

# OCEES - Ohio Center for Ecology & Evolutionary Studies



Presents the new ....

## UGRIP

## Undergraduate Research Program

*\*\* Open to Freshmen, Sophomores & Juniors \*\**

•**UGRIP**- the **UnderGraduate Research Immersion Program (UGRIP)** is a new initiative to increase undergraduate involvement in research. UGRIP is a 4 year program open on a *competitive basis* to EEB majors in the participating departments beginning in their freshman year. The extensive learning community of OCEES faculty, post-docs, and graduate students are used to increase the formal engagement of undergraduates in inquiry-based learning and research. The UGRIP philosophy is that students should experience the excitement, methods and results of research early rather than waiting until they complete their core degree requirements. It only requires 12 credit hours – 2 hours each spring in BIOS 394 (see below) engaging students in formal research and interactions with campus and visiting scientists and – 4 hours of a formal research immersion course (see list below). UGRIP students are encouraged to undertake additional directed research experiences or formally enter Senior Honors Thesis Programs offered in our departments.

### UGRIP requirements

- Maintain a 3.0 GPA
- Take Bios 394 each spring (4 x 2 cr. hrs.)
- Take 1 formal research course (4 hrs. min.)

### BIOS 394 - Undergraduate Research Inquiry & Analysis in Ecology & Evolutionary Biology

This undergraduate research course uses a weekly research seminar series as the basis for research lectures and directed discussions of current research topics, research methods, and experimental design in ecology and evolutionary sciences. Credit Hours: 2 (up to 10 hrs). Prerequisites: PERMISSION REQUIRED

### FORMAL RESEARCH IMMERSION COURSES

**BIOS** 422 Microbiological technique, BIOS 481 Methods in computational neuroscience, BIOS 492 Topics in Zoology, BIOS 491 Biological internship, BIOS 493 Directed undergraduate, BIOS 494 Undergraduate research, BIOS 495 Senior Honors thesis  
**GEOG** 418 Research methods in plant biogeography, GEOG 466 Principles of Remote sensing, GEOG 478 Principles of GIS, GEOG 481 Senior seminar, GEOG 485 Geography internship, GEOG 490 Geography studies, GEOG 494 Geography field problems  
**GEOL** 475 Field Camp I, GEOL 476 Subsurface methods, GEOL 481 Groundwater flow modeling, GEOL 490 Seminar in Geology research, GEOL 491 Geologic studies, GEOL 492 Geology Internship, GEOL 495 Senior thesis  
**PBIO** 415 Quantitative methods in plant biology, PBIO 499 Senior thesis, PBIO 404, 406, 407 Undergraduate research, PBIO 411 Global Plant Biology, PBIO 480 Molecular approaches in systematics, ecology & evolution, PBIO 490 Plant biology internship.

For Information/ Application materials:

[www.ocees.ohio.edu](http://www.ocees.ohio.edu)

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