

## Opportunities Week of 5/5/17

**BIO 306 Principles of Virology Summer 2017:** This new course covers the principles of virology, focusing mainly on animal and human viruses, but also including plant viruses and bacteriophage. Topics include the classification of viruses, virus entry, genome replication and assembly, and viral pathogenesis. Particular emphasis is placed on virus-host cell interactions and common features between different virus families. Recommended for those planning to attend medical school, graduate school or Veterinary college, or anyone who is interested in what viruses are and how they cause disease. Offered in Summer Session 2 Extended, Tuesdays and Thursdays, 1:00-3:00 PM.

**BIO 306 is accepted as an Area I lecture course for the Biology major.**

For more info, see [Summer Session course listings site](#).

**Volunteers for Summer Field Ecology Research:** Dr. Russell Burke, Professor of Ecology and Conservation at Hofstra University, is looking for undergraduate students to help with his long-term research project on diamondback terrapins in New York City's Jamaica Bay in June and July 2017. The field site can easily be reached by train, bus, or car from Long Island or NYC. The field work involves mark-recapture of nesting terrapins, monitoring nests and raccoons, interacting with park visitors, and many other related activities. This is an excellent opportunity for students to enhance their experience with urban wildlife and scientific research.

For more info, contact Dr. Burke at [bjorlb@hofstra.edu](mailto:bjorlb@hofstra.edu) and visit <http://jbtr.org>

**Kaplan's Medical School Insider:** Guest Paul T. White, Assistant Dean for Admissions at the Johns Hopkins University School of Medicine. With medical school application season coming up, you will want to know what schools consider when they look at your essays, transcripts, MCAT scores, and other admissions factors. Hear directly from one of the most experienced and knowledgeable members of the medical school admissions community.

**Live online Monday, May 8<sup>th</sup> at 8PM ET**

[Register here](#)

**New Jersey School of Conservation's Northeast Herpetology Workshop:** This workshop is an introduction to the reptiles and amphibians of the Northeast United States and the techniques that are used to conserve and study them in the field. Through numerous field activities, participants will acquire vital research skills and hands-on experience with the Northeast's salamanders, frogs, toads, turtles, lizards and snakes. The workshop is a great way for students to acquire wildlife research experience with reptiles, amphibians, and other organisms. No experience is necessary but participants should be capable of college-level work and have strong interests in field biology, ecology, natural history, etc. Participants should also be in relatively good health and capable of hiking several miles in a range of conditions over moderate-difficult terrain.

For more info, see [attached files](#) or visit <http://www.montclair.edu/csam/school-of-conservation/summer-workshops/herpetology/>

# NORTHEAST REPTILE AND AMPHIBIAN FIELD ECOLOGY



**Dates:** June 12-23, 2017

**Location:** New Jersey School of Conservation (NJSOC) in Stokes State Forest, Sussex County, New Jersey

**Description:** This workshop is an introduction to the reptiles and amphibians of the Northeast United States and the techniques that are used to conserve and study them in the field. Through numerous field activities, participants will acquire vital research skills and hands-on experience with the Northeast's salamanders, frogs, toads, turtles, lizards, and snakes.

The course will include:

- Discussions of reptile and amphibian natural history, taxonomy, and conservation
- Reptile and amphibian identification (visual and auditory)
- Habitat, plant, and non-herp animal identification
- Reptile and amphibian sampling, trapping, and marking/tagging techniques
- Radiotelemetry
- Reptile and amphibian tissue sampling for DNA analysis
- Collection of occupancy, abundance, physical, environmental, and geographic data
- Field note recordation and organization
- A primer in nature photography
- Day and night surveys for reptiles and amphibians
- Hikes through several diverse northeastern habitats
- Off-site field trips to the NJ Pine Barrens and urban habitats around NYC
- Participation in ongoing herpetological studies at the NJSOC and elsewhere
- Meals and lodging at the NJSOC

**Cost:** \$750.00 for one week or \$1000.00 for two weeks

**Academic Credit:** 1-3 transferable, undergraduate credits are obtainable through Montclair State University for an additional fee. Non-credit options and course completion certificates are also available.

**Register:** Contact Thomas J Duchak at: [Thomas.J.Duchak@hofstra.edu](mailto:Thomas.J.Duchak@hofstra.edu)

**Additional Information:** <http://www.montclair.edu/csam/nj-school-of-conservation/summer-workshops/herpetology/>

## Northeast Herpetology Workshop 2017

Dates: June 12-23, 2017 (weekend attendance is optional)

Location: New Jersey School of Conservation (NJSOC) in Stokes State Forest, Sussex County, New Jersey

Description: This workshop is an introduction to the reptiles and amphibians of the Northeast United States and the techniques that are used to conserve and study them in the field. Through numerous field activities, participants will acquire vital research skills and hands-on experience with the salamanders, frogs, toads, turtles, lizards, and snakes that call the Northeast home. A small number of classroom lectures and active learning discussions will also contribute to the learning experience.

The workshop includes:

- Discussions of reptile and amphibian natural history: their basic biology, life histories, and habitats
- Discussions on the conservation and management of reptiles and amphibians
- Discussions concerning study design
- Reptile and amphibian identification and taxonomy
- Identification of calling amphibians by ear
- Habitat, plant, and non-herp animal identification
- Reptile and amphibian sampling, trapping, and marking/tagging techniques
- Radiotelemetry
- Reptile and amphibian tissue sampling for DNA analysis
- Collection of occupancy, relative abundance, mark-recapture, physical, environmental, and geographic data
- Field note recordation and organization
- A primer in nature photography
- Day and night surveys for reptiles and amphibians
- Hikes through several diverse northeastern habitats
- Off-site field trips to the New Jersey Pine Barrens and urban habitats near NYC
- Participation in ongoing herpetological studies at the NJSOC and elsewhere
- Meals and lodging at the NJSOC

Qualifications: No experience is necessary but participants should be capable of college-level work and have strong interests in field biology, ecology, natural history, etc. Participants should also be in relatively good health and capable of hiking several miles in a range of conditions over moderate-difficult terrain.

Cost: The workshop will be divided into two one-week sessions, with each week-long session involving different schedules, activities, and learning experiences. Participants will have the option of taking the workshop for either one week (5 days) or two weeks (10 days). Cost is \$750.00 per person for one week and \$1000.00 per person for two weeks. These fees include instruction, meals, and lodging at the NJSOC.

Credit: Visiting undergraduate students who complete the workshop can obtain 1-3 transferable credits from Montclair State University *or* they can obtain credit from their home institution by completing the workshop as an independent study or special project (if their home institution approves). Non-credit options and course completion certificates are also available upon request. For all inquiries regarding academic credit, please contact Dr. Randall Fitzgerald at: [fitzgeraldr@mail.montclair.edu](mailto:fitzgeraldr@mail.montclair.edu)

Registration: Class space is limited and participants will be admitted on a first come, first served basis. To reserve a seat, participants can pay a non-refundable \$250 deposit or pay in full. **Full registration must be paid by June 1<sup>st</sup> 2017.** Refunds will not be issued after June 1<sup>st</sup>.

Contact: [Thomas.J.Duchak@hofstra.edu](mailto:Thomas.J.Duchak@hofstra.edu)

More Information: <http://www.montclair.edu/csam/school-of-conservation/summer-workshops/herpetology/>