

Sustainable Energy Management Teaching Assistantships at the State University of New York's College of Environmental Science and Forestry

2016-2017

The SUNY ESF Department of Forest and Natural Resources Management (FNRM) is seeking qualified students to serve as Teaching Assistants to assist with teaching natural resources policy and law courses. Selected students will be teaching assistants for two courses each semester. The assistantship requires approximately 20 hours per week.

Research Interests:

We seek students with thesis or dissertation research interests in two areas:

Life Cycle Assessment of Energy Systems. We are interested in students who want to analyze and compare the life cycle environmental impacts of energy systems with policy implications. Possible focus areas include: impacts of mining metals for renewable energy and energy storage systems, geographical differences in the life cycle climate change impacts of bioenergy systems, waste-to-energy systems, and offshore marine energy systems. Students with experience or coursework in life cycle assessment, thermodynamics, and/or energy systems design and modeling are encouraged to apply.

Technical and Economic Analysis of Energy Systems. We are also interested in students who are interested in conducting technical and economic analysis of renewable energy systems, especially bioenergy. Students with experience or coursework in energy policy, engineering economics, and climate policy are encouraged to apply.

More information about the FNRM's graduate program is available at <http://www.esf.edu/fnrm/graduate/>. Please note: Our mentor-based masters and PhD programs enable students to develop individualized programs of study.

Qualifications: Admission and assistantships are competitive. Students interested in a Masters degree must have a Bachelor of Science or a Bachelor of Arts in environmental studies, environmental science, natural resources management, environmental/mechanical/chemical engineering, or a related field. Students interested in a Ph.D. must have a masters (or equivalent degree) in environmental studies, environmental science, natural resources management, environmental/mechanical/chemical engineering, or a related field.

Applicants should have superior grade point averages and Graduate Record Examination (GRE) scores, and excellent references. Since teaching assistantship responsibilities require significant interaction with undergraduate students, applicants *must* have *excellent* English speaking and writing skills.

Benefits: Teaching Assistants receive a stipend, tuition waiver, and discounted health insurance. Assistantships are for one year, with up to one (masters) or two (PhD) additional years available upon satisfactory review after the first year.

Application Procedures: Interested students should send (1) a letter of inquiry, and (2) a resume to: Dr. Tristan Brown (trbro100@esf.edu; <http://www.esf.edu/faculty/brown/>), Dr. Marie-Odile Fortier (mfortier@esf.edu; <http://www.esf.edu/faculty/fortier/>), or Dr. Robert Malmshemer (rwmalmsh@esf.edu; <http://www.esf.edu/faculty/malmshemer/>). Upon receipt, we will review submitted materials and provide students an informal assessment of their qualifications and whether they should apply for admission to the FNRM graduate program.

Note: To be officially considered for assistantships, students must apply for: (1) admission to the FNRM graduate program (<http://www.esf.edu/graduate/admission.htm> -- apply for admission to the FNRM masters or PhD programs (MS101 or PH101)), *and* (2) a teaching assistantship (by completing the application located at <http://www.esf.edu/graduate/documents/FNRM-12-13.pdf> and sending it to Dr. Diane Kuehn (dmkuehn@esf.edu)).

Application Closing Date: Letters of Inquiries and resumes should be submitted by January 15, 2016. All application materials must be received by February 1, 2016.