

Smithsonian-Mason Global Conservation Studies Program

SMITHSONIAN INSTITUTION & GEORGE MASON UNIVERSITY

GRADUATE/
PROFESSIONAL
OPPORTUNITIES

Visit <http://conservationtraining.si.edu> or contact SCBItraining@si.edu to apply for these courses and to learn more about our graduate and professional studies program.

GRADUATE/PROFESSIONAL TRAINING COURSES, 2012

For more information, visit <http://conservationtraining.si.edu> or e-mail SCBItraining@si.edu

Conservation Conflict Resolution

January 16-20, 2012



Designed and led by the Human-Wildlife Conflict Collaboration (HWCC), this course teaches proven skills, strategies and processes for effective stakeholder engagement and successful conservation conflict transformation. Course participants learn how to analyze conflicts to determine root causes and how to design and facilitate appropriate conflict resolution processes to help ensure sustainable solutions to complex conservation challenges.

Spatial Ecology, Geospatial Analysis, & Remote Sensing for Conservation

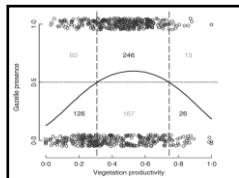
February 6-17, 2012



Learn to use GIS tools to address conservation research problems, quantifying effects of human-induced global change on wildlife and biodiversity. Hands-on lab exercises (e.g. land cover mapping; home range analysis; modeling habitat selection; mapping species distributions) use remote sensing data and SCBI field survey data to monitor global changes, assess impacts on wildlife, and develop mitigating strategies.

Statistics for Ecology and Conservation Biology

March 5-16, 2012



Gain in-depth knowledge of analysis techniques for cutting-edge conservation and ecological research, employing R. Course focuses on linear models, mixed models, generalized linear models, and how to deal with the limitations of real datasets in the conservation science context.

Species Monitoring & Conservation: Amphibians

March 26- April 6, 2012



Gain hands-on experience in the various in-situ and ex-situ practices being applied to monitoring amphibians and addressing their critical decline, including captive breeding, land management, monitoring and assessment, collections and vouchers, and data analysis as well as the applications of genetics and disease testing. The focus of the course is on frogs, toads and salamanders.

Species Monitoring & Conservation: Terrestrial Mammals

April 16-27, 2012



This course teaches current techniques in assessment and monitoring of wild mammal populations, including bats. Participants learn principles of study design; current field assessment methods; data analysis techniques including MARK and DISTANCE software; application of monitoring data to decision-making and population management; and collection and preparation of museum voucher specimens.



Smithsonian
National Zoological Park

Courses are held at the Smithsonian Conservation Biology Institute (SCBI) in Front Royal, Virginia, about two hours from Washington, D.C., USA, and adjacent to Shenandoah National Park.

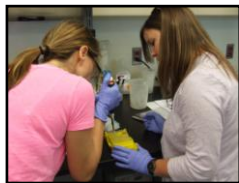


George Mason University was named in 2008 as the number one national university to watch on U.S. News and World Report's list of "Up and Coming Schools." This entrepreneurial school is committed to providing students with the ability to find solutions for local and global challenges.

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Non-Invasive Genetic Techniques in Wildlife Conservation

May 19-25, 2012

Learn how new developments in non-invasive genetics allow biologists and managers to answer questions in animal behavior, population biology and population management. Course participants will work through directed research projects, from study design through field data collection, sampling protocols, and DNA extraction and amplification, to analysis of microsatellite and sequence data.



Adaptive Management for Conservation Success

June 11-22, 2012

This course is taught in partnership with Foundations of Success (FOS). Working in teams on a real conservation project, participants practice conceptualizing projects, formulating objectives and providing evidence of conservation results. The course builds skills in designing and planning effective projects that provide clear evidence of conservation impact, and in use of *Miradi* adaptive management software.



Effective Conservation Leadership

2012 dates to be determined

What makes a successful conservation leader? Conservation professionals need to know more than science to lead effectively. This course provides self-skills assessments and addresses key conservation leadership skills, including project management, conflict resolution, effective communication and cross-cultural learning, team-building and support, and applied conservation ethics; participants address real-life environmental and conservation case studies.

For information on the **Applied Conservation Science Graduate Certificate** see:

<http://mccs.gmu.edu/graduate/certificate>

For information on the **Applied Conservation Science Professional Certificate** see:

http://www.ocpe.gmu.edu/programs/green/applied_conservation.html

Smithsonian-Mason Global Conservation Studies Program participants engage in dynamic learning communities, build lifelong professional networks, and connect with valuable conservation resources



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