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The University of Georgia

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**Daniel B. Warnell School of Forestry and Natural Resources**  
Forestry, Fisheries and Wildlife, Water and Soil Resources  
Natural Resources Recreation and Tourism

*Office of the Dean*

September 14, 2015

Provost Pamela Whitten  
Office of the Senior Vice President for Academic Affairs and Provost  
University of Georgia  
203 Administration Building  
Athens, Georgia 30602-1561

Dear Provost Whitten,

On behalf of the faculty Warnell School of Forestry and Natural Resources, I am pleased to forward the school's Experiential Learning Implementation Plan.

This plan was developed by the Associate Dean for Academic Affairs working with the school's Curriculum Committee and has been approved by our faculty. The plan lists required and elective courses that will provide meaningful experiential opportunities for our students.

Sincerely,

W. Dale Greene  
Dean

Cc: John Maerz, Curriculum Committee Chair  
Steven Castleberry, Experiential Learning Certification Officer  
William Vencill, Chair, University Curriculum Committee  
Linda P. Bachman, Director, Office of University Experiential Learning

**Warnell School of Forestry and Natural Resources**  
**Experiential Learning Implementation Plan**

**Certification Officer: Steven Castleberry, Associate Dean of Academic Affairs**

**The courses that fulfill the requirement for Warnell students are as follows:**

**Capstone courses:**

FANR 4500 *Senior Project in Forestry and Natural Resources Management*

Advanced problems in forest resources management integrating all courses to date. Remaining hours are scheduled by students to fulfill project requirements. Includes substantial field work.

FANR 4600 *Senior Thesis in Forestry and Natural Resources*

Supervised research integrating material from courses in the student's field of study. Written and oral presentation of research results and their significance.

**Internship courses:**

FISH 3900 *Fisheries Internship*

FORS 3900 *Forestry Internship*

NRRT 3900 *Natural Resources Recreation and Tourism Internship*

WASR 3900 *Water and Soil Resources Internship*

WILD 3900 *Wildlife Internship*

ANTH(BIOL)(ECOL)(EETH)(ENTO)(FANR)(GEOL)(PATH)(PBIO) 4261 *Museum of Natural History Internship*

**Study abroad and field school courses:**

FANR 4201 and FANR 4201L *Spatial Analysis for Integrative Natural Resource Problem Solving (Costa Rica)*

Use of geographic information systems (GIS) and related technologies (GPS, aerial photography) to study natural resources in Costa Rica. Students will address questions like "How do animals use shade-grown v. full-sun coffee farms?" while learning technologies and methods to collect, analyze, and map natural resource data for forests, wildlife, fisheries, and water resources. Students will complete assignments [in 4201L] to illustrate the principles and techniques presented in Spatial Analysis for Integrative Natural Resource Problem-Solving [4201]. The course will be taught in Summer Through-Session. Travel to Costa Rica will be restricted to the Summer Short Session I; therefore, the course instruction will be intensive, having lecture (80 minutes) and lab time (3 hours) daily and often integrated to improve learning through immediate application. Credit hours are listed as if it was a fall/spring

semester- long course. Student project work will continue after the travel portion and final projects due before the end of Through- Session.

**FANR 4202-4202D *People, Economics, and Nature in a Global Context (Costa Rica)***

Students will learn how people make decisions concerning natural resource issues in Costa Rica and will consider the role of individuals and organizations in managing forests, wildlife, fisheries, land and water, both in the United States and abroad. Students will apply social science theories and economic principles to natural resource management. The course will be taught in summer through-session. Travel to Costa Rica will be restricted to the summer short session I, therefore the course instruction will be intensive, having daily lecture (120 minutes) and discussion time (1 hour). Lecture/lab hours are listed as if it was a fall/spring semester-long course. Student project work will continue after the travel portion and final projects due before the end of through-session.

**FANR(ANTH)(ECOL)(GEOG)(INTL)(RLST) 4271 *Field Studies in Natural Resources (Great Smoky Mountains National Park)***

Field studies to explore the management and conservation of natural resources with a focus on issues related to forestry, wildlife, ecology, recreation and tourism, geology, and/or coastal/water resources. The impact of humans on these resources will also be emphasized. The course will include an extended field experience and series of lectures combined with seminars, presentations, and/or student projects.

**FORS(ECOL)(GEOG) 4250/6250 *International Forest Management (Brazil)***

Study-abroad to examine issues pertaining to the management of forested landscapes in the visited country. Introductory lectures on the natural and cultural history of the visited country will be followed by extended field examination of the country's forest resources and their management.

**FORS(CRSS)(ECOL)(ANTH) 4760 *Agroforestry in the Caribbean (St. Croix, U.S. Virgin Islands)***

Exploration of the use of trees in subtropical and tropical agriculture systems. Study of design components and agroforestry practices of Caribbean production systems with consideration of social, economic, and environmental variables. Field-based course for Maymester term with the major portion of learning occurring in field activities (experiential learning). Periodic field trips will take students to visit sites that represent the instructional material.

**WILD(ECOL) 4575-4575L *Conservation Medicine (Costa Rica)***

Conservation medicine is a multidisciplinary emerging field that is concerned with the interface between human health, animal health (both wild and domestic) and ecosystem health. This provides students from various backgrounds with the opportunity to learn/practice the principles of conservation biology/medicine using the ecology and fauna of Costa Rica. This is designed as a non-traditional, study abroad course, and thus the majority of course work will take place in Costa Rica. Aside from three, 1.5 hour pre-travel meetings, the entire 31- day course will be in the country of Costa Rica during the summer semester, but not including the entire semester.

**WILD 5200 *International Issues in Wildlife Conservation (South Africa and Botswana)***

An overseas, field-based course that explores wildlife conservation and management topics and issues in the host country. Includes lectures and field projects related to sustainable use of wildlife and human conflicts with wildlife. This will be a field course held during Maymester or summer session. It will consist of travel to a foreign country and focus on a series of wildlife management topics that are relevant in that country. We intend to initiate this course in Uganda where we have contacts with Makerere University. During this course we will travel to the Budongo Forest among other locations and study wildlife issues relative to tropical forests and timber harvest in those forests. We will also travel to Lake Mburo National Park to study the problems of large mammals moving out of the park to private land and encroachment of adjacent cattle ranches on park wildlife.

**Service-learning courses:**

FANR 4273S *Field Studies in Sustainable Development*

FANR 4444S *Foundations of Environmental Education*