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# The University of Georgia

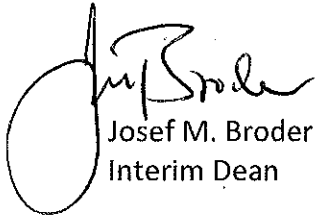
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College of Agricultural and Environmental Sciences  
*Office of the Dean and Director*

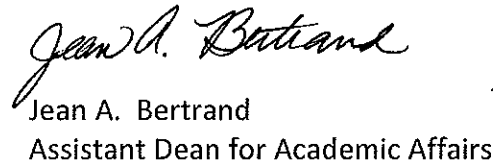
DATE: September 22, 2015  
TO: University Curriculum Committee  
FROM: Drs. Josef M. Broder and Jean A. Bertrand  
SUBJECT: Experiential Learning Implementation Plan

Please find attached the modified Experiential Learning Implementation Plan from the College of Agricultural and Environmental Sciences.

Thank you.



Josef M. Broder  
Interim Dean



Jean A. Bertrand  
Assistant Dean for Academic Affairs

## College of Agriculture and Environmental Sciences

### Experiential Learning Implementation Plan

**Certification Officer: Josef Broder, Associate Dean for Academic Affairs**

The College of Agriculture and Environmental Sciences offers curricular options for fulfilling the experiential learning requirement through internships, research experiences, service-learning, study abroad, and applied specialty courses of at least one credit hour. Students who wish to fulfill the requirement with a non-credit experience must obtain approval in advance from their Department Head and the Experiential Learning Certification Officer, and must spend a minimum of 50 hours on the activity and submit a reflective essay at the conclusion of the experience.

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

#### **Internship Courses**

AAEC(ENVM) 3910 *Internships*

ADSC 3910 *Internship in Animal and Dairy Science*

AESC 3920 *Agriculture and Environmental Sciences Internship*

AGCM 3910 *Internship in Agricultural Communication*

ALDR 3910 *Internship in Leadership*

BTEC 3910 *Internship in Applied Biotechnology*

CRSS 3910 *Crop Science Internship*

CRSS 3920 *Environmental Soil Science Internship*

CRSS 3930 *Turfgrass Management Internship*

ENTO 3910 *Entomology Internship*

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

FDST 3910 *Food Science Internship*

HORT 3910 *Horticulture Internship*

HORT 3920 *UGarden Internship*

PATH 3910 *Plant Pathology Internship*

POUL 3910 *Internship in Poultry Science*

## **Research Courses**

AAEC 4960 *International Agricultural Trade Policy*

ADSC 4960 *Undergraduate Research in Animal and Dairy Sciences*

ADSC 4960H *Undergraduate Research in Animal and Dairy Sciences (Honors)*

AESC 4095 *Undergraduate Research in Organic Agriculture*

AESC 4960 *Undergraduate Research in Agricultural and Environmental Sciences*

ALDR 4000 *Directed Project in Leadership*

Guided learning experience applicable to student's program of study under direction of faculty advisor. Individual completion of a directed project.

BTEC 3990 *Independent Research in Applied Biotechnology*

CRSS 4960L *Undergraduate Research in Crop and Soil Sciences*

ENTO 4960 *Undergraduate Research in Entomology*

## **Service-Learning Courses**

AESC 2990S *Understanding and Communicating with the Latino Community in the Green Industry*

AESC 3150S *Topics in International Agriculture*

AESC(FCID) 4920S *FOCUS (Fostering Our Community's Understanding of Science): Service Learning Experience*

ALDR 3900S *Leadership and Service*

ENTO 3300S *Outreach and Service-Learning in Entomology*

HORT 3333S *Conserving Native Plants*

HORT 3450S *Residential Landscape Construction*

HORT 4095S *GPS/GIS Applications for Landscape Managers*

## **Study Abroad and Field Study Courses**

AAEC(ENVM)(FHCE)(AFST)(ADSC) 3911 *International Agribusiness and Environmental Management*

Directed group field studies of selected international economic topics in agribusiness, agriculture, and environmental economics. Study Abroad.

AESC 3160 *Food Production Systems in Western Europe (Toulouse, France/ENSAT)*

AESC 3910 *International Agriculture Internship*

AESC 4530 *Agriscience and Environmental Systems Study Tour*

A field course in emerging technology in agriculture, designed to acquaint students with businesses, research centers, and methodologies associated with emerging disciplines in agriculture. Students will travel to various sites to receive in-field lectures and training. Class format will consist of tours, lectures, and discussion sessions.

CRSS 3540 *Soil Morphology and Interpretation*

Field evaluation and description of soil morphological and landscape characteristics. Estimation of soil characteristics and use interpretation from field observable features. All instruction will occur in a field setting during weekly 1-3 hour field trips. Students will have an opportunity to participate in Regional and National Soils Competitions.

WASR(CRSS)(ECOL)(ENGR)(GEOG)(GEOL) 4700L *Hydrology, Geology, and Soils of Georgia*

This field course focuses on the physical environment of Georgia by examining the diverse geology, soils, and surface and subsurface hydrologic processes within the state. We will travel to all of Georgia's physiographic areas, visiting mines, farms, forests, wetlands, rivers, lakes, and estuaries to explore the influence of human activities on the physical environment.

CRSS(HORT)(ANTH)(ECOL)(GEOG) 4931 *Agroecology of Tropical America Field Trip (Latin America)*

ENTO 3140-3140L *Insect Natural History*

Insect biology, with emphasis on factors that have made insects one of the most abundant and successful animal groups. Topics include the behavior, ecology, and evolution of the major insect groups. Most laboratory periods will be spent in the field. Community projects and school programs throughout the international experience.

ENTO 3650-3650L *Medical Entomology*

Arthropods of medical and veterinary importance, and the diseases they transmit. Community projects and school programs throughout the international experience.

FDST 4150 *Coffee (El Grano de Oro): From Bean to Cup (Costa Rica)*

FDST 4910 *China Food Development and Trade (China)*

HORT 3900 *Horticulture Study Tour*

An introduction to gardens, horticultural industries, and plant materials of other parts of the world. Tours will last approximately two weeks.

Presentations during tours of gardens and horticultural industries will be supplemented with traditional lectures. Contact hours will be approximately 50 (5 hrs/day X 10 days).

PATH (HORT)(FDST) 3050 *Viticulture and Enology in the Mediterranean Region (Cortona)*

POUL 4150 *Field Studies in Avian Biology (Costa Rica)*

## **Specialty Courses**

*AGED 5460 Student Teaching in Agricultural Education*

*FDST 4400 Senior Project in Food Science*

Students will integrate critical thinking technical, business, and professional skills to solve problems related to a real or realistic food industry-type situation. At least one scenario will be provided to the class based on a prototype product or process in a food company. This senior-level course deals with application of scientific, technical, and critical skills in previous courses, internships, etc. Student teams will lay out a critical path to address the problem/scenario presented by the instructor and/or industry advisor. Hence, most of the work will be done in a non- traditional format. Weekly meetings with each student team will serve to assess progress, provide feedback, cover lecture topics and, when necessary, fill knowledge gaps.