



# The University of Georgia

University Council  
Athens, Georgia 30602

January 8, 2016

## UNIVERSITY CURRICULUM COMMITTEE – 2015-2016

Dr. William K. Vencill, Chair

Agricultural and Environmental Sciences - Dr. Robert B. Beckstead

Arts and Sciences - Dr. Sujata Iyengar (Arts)

Dr. Rodney Mauricio (Sciences)

Business - Dr. Myra L. Moore

Ecology - Dr. James W. Porter

Education - Dr. Seock-Ho Kim

Engineering - Dr. Sudhagar Mani

Environment and Design - Mr. David Spooner

Family and Consumer Sciences - Dr. Silvia Giraud

Forestry and Natural Resources - Dr. John C. Maerz

Journalism and Mass Communication - Dr. Alison F. Alexander

Law - Ms. Elizabeth Weeks Leonard

Pharmacy - Dr. Cory Momany

Public and International Affairs - Dr. Robert Grafstein

Public Health - Dr. Katie D. Hein

Social Work - Dr. David O. Okech

Veterinary Medicine - Dr. Kira L. Epstein

Graduate School - Dr. Timothy L. Foutz

Ex-Officio - Provost Pamela S. Whitten

Undergraduate Student Representative - Ms. Taylor K. Lamb

Graduate Student Representative - Ms. A. June Brawner

Dear Colleagues:

The attached proposal for a new Area of Emphasis in Sustainable Agriculture under the major in Crop and Soil Sciences (M.S.) will be an agenda item for the January 15, 2016, Full University Curriculum Committee meeting.

Sincerely,

William K. Vencill, Chair  
University Curriculum Committee

cc: Provost Pamela S. Whitten  
Dr. Rahul Shrivastav

## PROPOSAL FOR AREA OF EMPHASIS

**School/College:** Agricultural and Environmental Sciences

**Department/Division:** Crop and Soil Sciences

**Major:** Crop and Soil Sciences (M.S.)

**Major Requirements:** The program of study must contain a minimum of 30 hours of graduate course work. These 30 hours must include at least 21 hours of graduate course work exclusive of 7000 (research) and 7300 (thesis writing). Twelve of these 21 hours must be courses restricted to graduate students. The program of study must include a minimum of 3 hours of 7300 (thesis writing) and the remaining six hours may be 7000 (research), 7300 (thesis writing) or any other appropriate graduate coursework. The department requires the program of study to include CRSS 8100 (Advanced Crop and Soil Sciences Seminar) and at least one course in Statistics.

**Area of Emphasis Title (as it will appear in the *Bulletin*):** Sustainable Agriculture

**Proposed starting date:** Fall 2016

### Area of Emphasis Description

**Select 3 courses as described below:**

***Choose one course from the following list (Food Production):***

- Principles of Sustainable Management – CRSS 4010/6010 (3 cr)
- Advanced Topics in Sustainable Agricultural Management – CRSS 8410\* (3 cr)
- Integrated Pest Management – ENTO(CRSS)(PATH) 4740/6740 (3 cr)
- Organic Agricultural Systems – HORT(CRSS)(ENTO)(PATH) 4125/6125 (4 cr)

***Choose one course from the following list (Economic/Social Sciences):***

- Social Issues in Sustainable Agriculture – CRSS 6020\* (3 cr)
- Environmental Economics – ENVM 4650/6650 (3 cr)
- Natural Resource and Environmental Economics I – FANR(AAEC) 7860 (3 cr)
- Conservation Ecology and Resource Management – GEOG 4810/6810 (3 cr)
- The Industrial Agro-food System and Its Alternatives – GEOG 4860/6860 (3 cr)

***Choose one course from the following list (Technology):***

- Sensors in Precision Agriculture – CRSS 4030/6030-4030L/6030L (3 cr)
- Improving Nutrient and Energy Efficiency with Geographic Information Systems – CRSS 4050/6050 (4 cr)
- Advanced Topics in Precision Agriculture – CRSS 4060/6060-4060L/6060L (3 cr)