



# The University of Georgia

University Council  
Athens, Georgia 30602

April 22, 2016

## UNIVERSITY CURRICULUM COMMITTEE – 2015-2016

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Dear Colleagues:

The attached proposal for a new Area of Emphasis in Sustainable Agriculture under the major in Crop and Soil Sciences (Ph.D.) will be an agenda item for the April 29, 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 (Ph.D.)

**Major Requirements:** The program of study for the Ph.D. degree in Crop and Soil Sciences must contain a minimum of 30 hours of graduate course work, including three hours of dissertation writing (9300). Of these 30 hours of coursework, 16 or more must be 8000- and 9000-level courses, exclusive of 9000 (research) or 9300 (dissertation writing). 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 hrs)
- Advanced Topics in Sustainable Agricultural Management – CRSS 8410 (3 hrs)\*
- Integrated Pest Management – ENTO(CRSS)(PATH) 4740/6740 (3 hrs)
- Organic Agricultural Systems – HORT(CRSS)(ENTO)(PATH) 4125/6125 (4 hrs)

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

- Social Sustainability in Agricultural and Food Systems – CRSS 4020S/6020S (3 hrs)
- Environmental Economics – ENVM 4650/6650 (3 hrs)
- Natural Resource and Environmental Economics I – FANR(AAEC) 7860 (3 hrs)
- Conservation Ecology and Resource Management – GEOG 4810/6810 (3 hrs)
- The Industrial Agro-Food System and Its Alternatives – GEOG 4860/6860 (3 hrs)

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

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

\*Course does not exist in CAPA