Program Change Request

Date Submitted: 09/07/21 6:21 pm

Viewing: AGECMS : Agricultural Economics, Master of Science

Last approved: 03/20/18 8:38 am

Last edit: 09/09/21 9:02 am

Changes proposed by: nkemper

Catalog Pages Using this Program

Agricultural Economics and Agribusiness (AEAB)

Submitter: User ID: **nkemper** ~~calison~~ Phone: **575-2697** ~~575-6731~~

Program Status Active

Academic Level Graduate

Type of proposal Major/Field of Study

Select a reason for this modification

Making Minor Changes to an Existing Certificate or Degree (e.g. changing 15 or fewer hours, changing admission/graduation requirements, adding/changing Focused Study or Track)

Are you adding a concentration?

No

Are you adding or modifying a track?

No

Are you adding or modifying a focused study?

No

Effective Catalog Year Fall 2022

College/School Code

In Workflow

1. **AFLS Dean Initial**
2. **GRAD Dean Initial**
3. **Director of Curriculum Review and Program Assessment**
4. **Registrar Initial**
5. **Institutional Research**
6. **AEAB Chair**
7. **AEAB Curriculum Committee**
8. **AFLS Faculty**
9. **AFLS Dean**
10. **Global Campus**
11. **Provost Review**
12. **University Course and Program Committee**
13. **Graduate Council**
14. **Faculty Senate**
15. Provost Final
16. Registrar Final
17. Catalog Editor Final

Approval Path

1. 09/08/21 8:28 am Lona Robertson (ljrobert): Approved for AFLS Dean Initial
2. 09/08/21 8:32 am Jim Gigantino (jgiganti): Approved

Bumpers College of Agricultural, Food, and Life Sciences (AFLS)

Department Code

Department of Agricultural Economics and Agribusiness (AEAB)

Program Code AGECMS

Degree Master of Science

CIP Code

for GRAD Dean Initial

3. 09/09/21 9:03 am Alice Griffin (agriffin): Approved for Director of Curriculum Review and Program Assessment
4. 09/10/21 12:14 pm Lisa Kulczak (lkulcza): Approved for Registrar Initial
5. 09/13/21 11:09 am Doug Miles (dmiles): Approved for Institutional Research
6. 11/01/21 2:44 pm John Anderson (jda042): Approved for AEAB Chair
7. 11/12/21 1:58 pm Casey Owens Hanning (cmowens): Approved for AEAB Curriculum Committee
8. 11/12/21 2:37 pm Ioannis Tzanetakis (itzaneta): Approved for AFLS Faculty
9. 11/12/21 2:52 pm Lona Robertson (ljrobert): Approved for AFLS Dean
10. 11/12/21 2:55 pm Suzanne Kenner

(skenner): Approved for Global Campus
11. 11/22/21 8:16 am Ketevan Mamiseishvili (kmamisei): Approved for Provost Review
12. 12/17/21 5:09 pm Alice Griffin (agriffin): Approved for University Course and Program Committee
13. 01/21/22 9:29 am Jim Gigantino (jgiganti): Approved for Graduate Council

History

1. Mar 20, 2015 by Charlie Alison (calison)
2. Mar 20, 2018 by Michael Thomsen (mthomsen)

01.0103 - Agricultural Economics.

Program Title

Agricultural Economics, Master of Science

Program Delivery Method

On Campus

Is this program interdisciplinary?

No

Does this proposal impact any courses from another College/School?

No

What are the total hours needed to complete the program?	31

Program Requirements and Description

Requirements

Admission Requirements: All applicants to the graduate program must submit official scores from either the Graduate Record Exam (GRE) or Graduate Management Admission Test (GMAT), although GRE scores are preferred.

Requirements for the Master of Science Degree in Agricultural Economics (Thesis): (Minimum 31 hours.)

Prerequisites to the Thesis Concentration:

Prerequisites to the Thesis Concentration	
Six semester hours of mathematics (College Algebra and Survey of Calculus or Higher Level Calculus)	6
Three semester hours of statistics	3
Six semester hours of upper level (junior or senior) micro- and macro-economic theory	6
Three semester hours of upper-level management	3
Three semester hours of upper-level marketing	3
Three semester hours of introductory accounting.	3
Total Hours	24

Core Requirements		
AGEC 5103	Agricultural Microeconomics	3
AGEC 5403	Quantitative Methods for Agribusiness	3
AGEC 5613/ECON 6613	Econometrics	3
AGEC 5623	Quantitative Food and Agricultural Policy Analysis	3
or AGEC 5643 AGRICULTURAL DATA SCIENCE	Course AGEC 5643 AGRICULTURAL DATA SCIENCE Not Found	
AGEC 600V	Master's Thesis	6
AGEC 5011	Seminar	1
Agricultural Economics Electives		6
Students must take six hours of other graduate courses in Agricultural Economics.		
Controlled Electives		6
Other graduate courses in Agricultural Economics		
Graduate courses in the Walton College of Business		
Other graduate courses		

Other Requirements

A minimum of 16 hours of Agricultural Economics.

A maximum of 9 hours of AGEC graduate-level courses may be completed from a) those courses also offered as 4000-level undergraduate classes, and/or b) courses numbered 4000 or lower that do not have a

corresponding graduate offering.

Total Hours 31

Students should also be aware of Graduate School requirements with regard to master's degrees.

Are Similar Programs available in the area?

No

Estimated Student Demand for Program: NA

Scheduled Program Review Date: 2022-2023

Program Goals and Objectives

Program Goals and Objectives
Increase students' knowledge of core concepts and principles in agricultural economics. **Develop students that can effectively identify and analyze issues of importance to society and understand which tools are most appropriate to analyze and solve the economic problems facing society.** **Develop students that can be effective leaders and agents of change in managing resources and people leading to a more profitable and sustainable agribusiness community / world.** **Improve students' ability to communicate key concepts and analytical findings in a clear and concise manner.** ~~NA~~

Learning Outcomes

Learning Outcomes

Learning Outcomes
STUDENT LEARNING OUTCOME 1: PROBLEM SOLVING **Students graduating from the AGECMS program will understand, identify, analyze (utilizing the appropriate research methods, quantitative tools, and information technology), and formulate solutions to economic problems in the private and public sectors dealing with issues concerning the food and fiber production, processing and distribution and managing natural resources.** **STUDENT LEARNING OUTCOME 2: COMMUNICATION** **Graduates will enhance their ability to prepare, organize, and deliver information to effectively communicate (orally, written, and electronically) with scientific, professional, and non-technical audiences.** **STUDENT LEARNING OUTCOME 3: KNOWLEDGE OF AGRICULTURAL ECONOMICS THEORY AND METHODS** ~~NA~~

Description and justification of the request

Description of specific change	Justification for this change

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This is a minor change to our AGECMS Program, Thesis Concentration, that consists of two parts: 1. Prerequisite Change - due to how the prerequisite was worded previously, as "Survey of Calculus or Higher" students could technically complete our MS Thesis Concentration without having completed a calculus course. Calculus is a very important prerequisite for the Thesis Concentration so the new wording requires that all students have "Survey of Calculus or Higher Level Calculus" as a prerequisite to our Thesis Concentration. The new wording reads: "Six semester hours of mathematics (College Algebra and Survey of Calculus or Higher Level Calculus)" 2. New Course Added - a new course will be added to the MS Thesis Concentration Core Requirements. The course will be one of two Quantitative Options that students will be required to complete. AGEC 5643 - Agricultural Data Science (in CIM as new course): this course will be offered by a new faculty member, Dr. Aaron Shew, who has a joint appointment with the Department of Agricultural Economics and Agribusiness (Bumpers) and as the Associate Director of CAST (Fulbright). Because our MS Thesis Program is a two-year program, the sequencing of these courses will allow thesis students to complete all three Quantitative courses if they so choose, but completing the third course as an elective.	1. Prerequisite Change: Calculus is required for mastery of much of the materials in our Thesis Concentration. Students need this mathematical training in their undergraduate studies to be successful or they need to complete a calculus class as a deficiency once admitted to our MS program. 2. New Quant Course: Students have consistently expressed the desire to have stronger quantitative skills upon completing our MS program and this course will allow us to offer a highly applied quantitative course using the "R" programming language that is increasingly demanded by industry and academia.

Upload attachments

AGEC_AgDataScience_Syllabus_Spring2022.pdf

Reviewer Comments

Alice Griffin (agriffin) (09/09/21 8:55 am): Revised submitter information. ATTENTION: Due to the change made to the program prerequisites, this minor program change will require campus approval.

Alice Griffin (agriffin) (09/09/21 9:01 am): Inserted program goals and student learning outcomes from the 2020 Assessment Plan. College is encouraged to review for accuracy and revise as appropriate.

Alice Griffin (agriffin) (09/09/21 9:02 am): AGEC 5643 is currently in the approval workflow, pending the department's approval.

Key: 236