

From: [Osborne, Jeanne](#)
To: [Smith, Randy](#)
Cc: [Reed, Katie](#); [Meadows, Kendyl](#); [Violet, Cynthia A.](#); [Roe, Brian](#); [Neal, Steve](#)
Subject: Requesting CAA Approval for Agribusiness and Applied Economics (AAE) Major Revision
Date: Tuesday, October 29, 2019 2:02:29 PM
Attachments: [image001.png](#)

Dear Dr. Smith,

The College of Food, Agricultural, and Environmental Sciences is requesting Council on Academic Affairs approval for revisions to the Agribusiness and Applied Economics (AAE) major as outlined in the attached document. We are requesting that these changes be made effective Autumn 2020.

The Department of Agricultural, Environmental and Development Economics proposes these changes in response feedback from students, alumni, and faculty and instructional staff in the Department; in addition, feedback concerning the revision to the mathematics requirement of the major was sought from the Department of Mathematics, and utilized in the development of a new course that is proposed to be part of the revised major (AEDECON 3000). Additional course changes and new courses are included to make the curriculum more relevant to the current state of the industry (e.g., adding a course focused on supply chain management, AEDECON 3105). All course changes and new course proposals have been approved through the curriculum system. Overall, there is no change in the credit hours required for degree completion, and the credit hours required in the major have been revised from the current 36-43 to 42.

This proposal has been approved by the Department of Agricultural, Environmental and Development Economics and by the College Academic Affairs Committee. Please let me know if any additional information is needed in support of this request.

Sincerely,

Jeanne



Jeanne M. Osborne

Assistant Dean for Academic Affairs
College of Food, Agricultural, and Environmental Sciences
100E Agricultural Administration, 2120 Fyffe Rd.
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THE OHIO STATE UNIVERSITY

Department of Agricultural, Environmental and Development Economics

September 27, 2019

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Jeanne:

In response to student feedback, alumni input and faculty instructional staff reflection on the current curriculum for the Agribusiness and Applied Economics (AAE) major, the AEDE faculty proposes a number of changes to this major. These changes were initially approved via vote in our March faculty meeting. We then received feedback concerning our proposed creation of a course key to the program revision (AEDE 3000) from the department of Mathematics. We revised the course and this program revision proposal. This new version was approved by at the September AEDE faculty meeting. A summary and more detailed explanation of these changes may be found below. There are several new courses and several course changes included as part of this proposal. All these new course and course change requests have been submitted through the course approval process. We will hold the program change proposal until all are approved.

Overview of Curricular Changes

- Changes the mathematical preparation required for graduation to College Algebra rather than Calculus
- Adds AEDE 3000, Quantitative Methods in Agribusiness and Applied Economics, a required course in quantitative economic methods that serves as a prerequisite for several upper-level required agribusiness and applied economics courses.
- Drops the requirement for AEDE 4002.02, Operations Research in Agribusiness and Applied Economics, a 2 credit hour course,
- Adds a requirement for AEDE 3105, Principles of Agribusiness and Food Supply Chains, a 3-credit course on agribusiness and food supply chains
- Expands AEDE 4002.01, Econometric Applications in Agribusiness and Applied Economics, from a two-credit course to a three-credit course
- Increases the number of major electives required from 8 credit hours to 9 credit hours
- Adds AEDE 4320, Energy, The Environment and the Economy, as another option to AEDE 4310, AEDE 4535 and AEDE 4540 for meeting a major requirement in applied economics.

Proposed New Courses

- AEDE 3000: Quantitative Methods in Agribusiness and Applied Economics. Core agribusiness and applied economics concepts are introduced and explicated using appropriate mathematical concepts that build on student knowledge gained in the prerequisite of college algebra (MATH 1130 or equivalent).
- AEDE 3105: Principles of Agribusiness Supply Chains. This course provides an understanding of the actors, intrinsic issues and support systems that are essential to make agribusiness, commodity and food supply chains effective. Feedback from graduates and employers suggest that current students lack familiarity with core concepts in supply chain management and the unique supply chain challenges that face agribusiness and food supply chains such as perishability, quality, and risk, and that such knowledge is increasingly expected from graduates in agribusiness.

Proposed Course Changes, Requirement Changes or Course Removals

- Require MATH 1130 or an equivalent college algebra class as the terminal mathematics to be completed by students in the major rather than MATH 1131. Upper level courses in the current version of the Agribusiness and Applied Economics major have phased out reliance on calculus due to the inconsistent quality and timing of calculus instruction. We formalize this conversion to a curriculum built on rigorous quantitative analysis reliant solely on college algebra in the proposed revision of the major with the inclusion of AEDE 3000 as a prerequisite for AEDE 4001, 4002.01, and 4003.
- AEDE 4002.02, Operations Research in Agribusiness and Applied Economics, a 2 credit hour course, will no longer be required. This is motivated by the introduction of AEDE 3105, which is viewed as providing students with a broader base of knowledge and concepts asked of new graduates, whereas the operations research techniques emphasized in 4002.02 are less demanded by employers.
- Expands AEDE 4002.01, Econometric Applications in Agribusiness and Applied Economics, from a two-credit course to a three-credit course. Given the burgeoning data available to agribusiness and applied economics employers, more thorough coverage of econometric techniques will provide our graduates with a stronger basis for deriving insights from data through an applied economics lens.

Major Elective Credits and Courses

- Students will be required to complete 9 credit hours of major electives rather than the current requirement of 8 credit hours. Via advising, and as appropriate for the student, we will encourage students to identify a sequence of three three-credit-hour major elective courses that will help provide specialized agribusiness or applied economics knowledge that distinguishes them upon graduation.

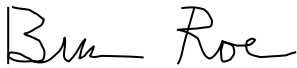
Number of Major and Overall Credits

The major as revised now requires 42 credits for completion versus 36-43 credits in the current version.

Transition Plan for Students

AEDE is committed to protecting the academic progress of students. This program change will not disrupt progress toward degree for students enrolled in this degree program. Course substitutions and manual management of the degree audits will occur as needed for students enrolled in this degree program during the transition. When appropriate, coursework completed by students under the current degree program will be utilized for completion of the proposed degree program.

Sincerely,

A handwritten signature in black ink, appearing to read "Brian Roe". The signature is written in a cursive, flowing style.

Brian Roe

Van Buren Professor and Undergraduate Leader

All students must complete two Global Issues in the GE (▲). All students must take a Social Diversity requirement which in the GE was completing Rural Sociology 1500 or Sociology 1101.

FAES 1100 and Department Seminar	.5, .5	Math 1131 or 1151	5
Writing Level 1(English 1110)	3	Social Science 1 (Rural Soc 1500 or Sociol 1101)	3
Writing Level 2(2367) see approved CFAES GE List	3	Social Science 2 (AED Econ 2001 or Econ 2001)	3
Agr Comm 3130 or Comm 2110	3	Historical Study (see approved CFAES GE List)	3
Math 1130 or 1148	4	Culture & Ideas or Historical Study (see approved CFAES GE List)	3
Data Analysis (AED Econ 2005)	3	Literature (see approved CFAES GE List)	3
Biological Science (with lab)	4-5	Art• (see approved CFAES GE List)	3
Ani Sci 2200.01 & 2200.02(L), Ani Sci 2300H & 2200.02(L), 3140E(L), Anthro 2200(L), 2200H(L)		Open Option #1 (Econ 2002.01 OR 2002.03H)	3
Bio 1101(L), 1101E(L), 1113(L), 1113E(L), 1113H(L), 1114(L), 1114E(L), 1114H(L), 2100(L)		Minor (cannot select a minor in General Business, Farm Management, Int. Econ. & Soc. Dev., Env. Econ. or Agribusiness)	12-18
EEOB 2510(L), Entom 1101(L), 1111(L), H&CS 2201(L), 2201E(L), 2202(L), 2202E(L), Microbio 4000.01 or 4000.02(L), Mol Genetics 1101(L), 3300(L)		Major	36-43
Physical Science (with lab)	4-5	Contemporary Issues/College-Wide Capstone	3
Astronomy 1101 (L)		Internship (AED Econ 3191)	2
Chemistry 1110(L), 1210(L), 1220(L), 1250(L), 1610(L), 1620(L), 1910H(L), 1920H(L)		Electives	0-14
Earth Sci 1100(L), 1108H(L), 1121(L), 1121H(L), 1122(L), 1122H(L)		TOTAL CREDIT HOURS	121
ENR 3000 and 3001(L)			
Geog 1900(L), 1900H(L), 2800(L), 2960(L)			
Physics 1106.01(L), 1106.02(L), 1107.01(L), 1107.02(L), 1200(L), 1201(L), 1250(L), 1250H(L), 1251(L), 1251H(L), 1260(L), 1261(L)			
Additional Science	3-5		
Ani Sci 2200.01, 2300H(L), 3140, 3140H(L), Anthro 2200(L), 2200H(L)			
Astronomy 1140, 1141, 1142, 1143, 1144, 2161H, 2162H, 2291, 2292			
Bio 1101(L), 1101E(L), 1102, 1113(L), 1113H(L), 1114(L), 1114H(L), 1350, 2100(L)			
Chemistry 1100, 1110(L), 1210(L), 1220(L), 1250(L), 1610(L), 1620(L), 1910 H(L), 1920H(L)			
Earth Sci 1100(L), 1105, 1108, 1108H(L), 1110, 1110H, 1121(L), 1121H(L), 1122(L), 1122H(L), 1151, 1911, 2155, 2203, 2204, 2205, 2206, 2210			
EEOB 2510(L), 2520, ENR 2100, 2155, 3000 and 3001(L)			
Entomology 1101(L), 1111(L), 2101, 3330, Food Science & Tech 2200			
H&CS 2200, 2201(L), 2201E(L), 2202(L), 2202E(L)			
Geography 1900(L), 1900H(L), 2800(L), 2960(L), 3900, 3901H			
Human Nutrition 2210, Microbio 4000(L), Molecular Genetics 1101(L), 3300(L)			
Physics 1103, 1104, 1106.01(L), 1106.02(L), 1107.01(L), 1107.02(L), 1110, 1200(L), 1201(L), 1250(L), 1250H(L), 1251(L), 1251H(L), 1260(L), 1261(L), 2367, Plant Path 2000			

Major 36-43

Select one of the following courses:

ACCT&MIS 2200 or AED ECON 2105	3
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Required:

AEDECON	3101	Principles of Agribusiness Management	3
AEDECON	3102	Principles of Agribusiness Marketing	3
AEDECON	3103	Principles of Agribusiness Finance	3
AEDECON	4003	Economics of Public Policy Analysis	3
AEDECON	4106	Strategic Management	3

Select one from:

AEDECON or	4001	Managerial Economics for Agribusiness	3
ECON	4001.02	Intermediate Microeconomic Theory	

Both courses required:

AEDECON	4002.01 and	Econometric Applications in Agribusiness and Applied Economics	
	4002.02	Operations Research in Agribusiness and Applied Economics	4

Select one from:

AEDECON or	4310	Environmental and Resource Economics	3
AEDECON or	4535	International Economic Development	
AEDECON	4540	International Commerce and the World Economy	

Electives in AEDECON 8-15

Complete at least 8 to 15 major elective credits (any AEDE courses not already taken above). No more than 6 hours of AEDECON 3488 and 4193 combined can count toward graduation.

All students must complete two Global Issues in the GE (▲). All students must take a Social Diversity requirement which in the GE was completing Rural Sociology 1500 or Sociology 1101.

FAES 1100 and Department Seminar	.5, .5	Math 1131 or 1151	5
Writing Level 1(English 1110)	3	Social Science 1 (Rural Soc 1500 or Social 1101)	3
Writing Level 2(2367) see approved CFAES GE List	3	Social Science 2 (AED Econ 2001 or Econ 2001)	3
Agr Comm 3130 or Comm 2110	3	Historical Study (see approved CFAES GE List)	3
Math 1130 or 1148	4	Culture & Ideas or Historical Study (see approved CFAES GE List)	3
Data Analysis (AED Econ 2005)	3	Literature (see approved CFAES GE List)	3
Biological Science (with lab)	4-5	Art* (see approved CFAES GE List)	3
Ani Sci 2200.01 & 2200.02(L), Ani Sci 2300H & 2200.02(L), 3140E(L), Anthro 2200(L), 2200H(L)		Open Option #1 (Econ 2002.01 OR 2002.03H)	3
Bio 1101(L), 1101E(L), 1113(L), 1113E(L), 1113H(L), 1114(L), 1114E(L), 1114H(L), 2100(L)		Minor (cannot select a minor in General Business, Farm Management, Int. Econ. & Soc. Dev., Env. Econ. or Agribusiness)	12-18
EOB 2510(L), Entom 1101(L), 1111(L), H&CS 2201(L), 2201E(L), 2202(L), 2202E(L), Microbio 4000.01 or 4000.02(L), Mol Genetics 1101(L), 3300(L)		Major	4236-43
Physical Science (with lab)	4-5	Contemporary Issues/College-Wide Capstone	3
Astronomy 1101 (L)		Internship (AED Econ 3191)	2
Chemistry 1110(L), 1210(L), 1220(L), 1250(L), 1610(L), 1620(L), 1910H(L), 1920H(L)		Electives	<u>0-143</u>
Earth Sci 1100(L), 1108H(L), 1121(L), 1121H(L), 1122(L), 1122H(L)		TOTAL CREDIT HOURS	121
ENR 3000 and 3001(L)			
Geog 1900(L), 1900H(L), 2800(L), 2960(L)			
Physics 1106.01(L), 1106.02(L), 1107.01(L), 1107.02(L), 1200(L), 1201(L), 1250(L), 1250H(L), 1251(L), 1251H(L), 1260(L), 1261(L)			
Additional Science	3-5		
Ani Sci 2200.01, 2300H(L), 3140, 3140H(L); Anthro 2200(L), 2200H(L)			
Astronomy 1140, 1141, 1142, 1143, 1144, 2161H, 2162H, 2291, 2292			
Bio 1101(L), 1101E(L), 1102, 1113(L), 1113H(L), 1114(L), 1114H(L), 1350, 2100(L)			
Chemistry 1100, 1110(L), 1210(L), 1220(L), 1250(L), 1610(L), 1620(L), 1910 H(L), 1920H(L)			
Earth Sci 1100(L), 1105, 1108, 1108H(L), 1110, 1110H, 1121(L), 1121H(L), 1122(L), 1122H(L), 1151, 1911, 2155, 2203, 2204, 2205, 2206, 2210			
EOB 2510(L), 2520;			
ENR 2100, 2155, 3000 and 3001(L)			
Entomology 1101(L), 1111(L), 2101, 3330;			
Food Science & Tech 2200			
H&CS 2200, 2201(L), 2201E(L), 2202(L), 2202E(L)			
Geography 1900(L), 1900H(L), 2800(L), 2960(L), 3900, 3901H			
Human Nutrition 2210,			
Microbio 4000(L),			
Molecular Genetics 1101(L), 3300(L)			
Physics 1103, 1104, 1106.01(L), 1106.02(L), 1107.01(L), 1107.02(L), 1110, 1200(L), 1201(L), 1250(L), 1250H(L), 1251(L), 1251H(L), 1260(L), 1261(L), 2367,			
Plant Path 2000			

Major

4236-43

Select one of the following courses:

ACCT&MIS 2200 or 2200 or	Introduction to Accounting	
AED-ECON 2105 2105	Managerial Records and Analysis	3

Required:

AEDECON	3000	Quantitative Methods for Agribusiness and Applied Economics	3
AEDECON	3101	Principles of Agribusiness Management	3
AEDECON	3102	Principles of Agribusiness Marketing	3
AEDECON	3103	Principles of Agribusiness Finance	3
AEDECON	3105	Principles of Agribusiness and Food Supply Chains	3
AEDECON	4002.01	Econometric Applications in Agribusiness and Applied Economics	3
AEDECON	4003	Economics of Public Policy Analysis	3
AEDECON	4106	Strategic Management	3

Select one from:

AEDECON or	4001	Managerial Economics for Agribusiness	3
ECON	4001.02	Intermediate Microeconomic Theory	

Both courses required:

AEDECON	4002.01 and	Econometric Applications in Agribusiness and Applied Economics	
	4002.02	Operations Research in Agribusiness and Applied Economics	4

Select one from:

AEDECON or	4310	Environmental and Resource Economics	3
AEDECON	4320	Energy, the Environment, and the Economy	
AEDECON or	4535	International Economic Development	
AEDECON	4540	International Commerce and the World Economy	

Electives in AEDECON

98-15

Complete at least ~~8 to 15~~ major elective credits (any AEDE courses not already taken above). No more than 6 hours of AEDECON 3488 and 4193 combined can count toward graduation. Students may be eligible to apply required and major elective courses toward academic certificates - please talk with AEDE Student Services Center for more information. The Student Service Center can be reached at 614-292-7911.

All students must complete two Global Issues in the GE (▲). All students must take a Social Diversity requirement which in the GE was completing Rural Sociology 1500 or Sociology 1101.

FAES 1100 and Department Seminar	.5, .5		
Writing Level 1(English 1110)	3	Social Science 1 (RurIsoc 1500 or Sociol 1101)	3
Writing Level 2(2367) see approved CFAES GE List	3	Social Science 2 (AEDEcon 2001 or Econ 2001)	3
Agrocomm 3130 or Comm 2110	3	Historical Study (see approved CFAES GE List)	3
Math 1130 or 1148	4	Culture & Ideas or Historical Study (see approved CFAES GE List)	3
Data Analysis (AEDEcon 2005)	3	Literature (see approved CFAES GE List)	3
Biological Science (with lab)	4-5	Art• (see approved CFAES GE List)	3
Animsci 2300H(L), 3140H(L), Anthrop 2200(L), 2200H(L)		Open Option #1 (Econ 2002.01 OR 2002.03H)	3
Biology 1101(L), 1101E(L), 1113(L), 1113H(L), 1114(L), 1114H(L), 2100(L)			
Eoob 2510(L), Entmlogy 1101(L), 1111(L), Hcs 2201(L), 2201E(L), 2202(L), 2202E(L),		Minor (cannot select a minor in General Business, Farm Management,	12-18
Microbio 4000(L), Molgen 1101(L), 3300(L)		Int. Econ. & Soc. Dev., Env. Econ. or Agribusiness)	
Physical Science (with lab)	4-5	Major	42
Astron 1101 (L)		Contemporary Issues/College-Wide Capstone	3
Chem 1110(L), 1210(L), 1220(L), 1250(L), 1610(L), 1620(L), 1910H(L), 1920H(L)		Internship (AEDEcon 3191*)	2
Earthsc 1100(L), 1108H(L), 1121(L), 1121H(L), 1122(L), 1122H(L)		Electives	0-13
Enr 3000 and 3001(L)			
Geog 1900(L), 1900H(L), 2800(L), 2960(L)		TOTAL CREDIT HOURS	121
Physics 1106.01(L), 1106.02(L), 1107.01(L), 1107.02(L), 1200(L), 1201(L),			
1250(L), 1250H(L), 1251(L), 1251H(L), 1260(L), 1261(L)			
Additional Science	3-5		
Animsci 2200.01, 2300H(L), 3140, 3140H(L)			
Anthrop 2200(L), 2200H(L)			
Astron 1140, 1141, 1142, 1143, 1144, 2161H, 2162H, 2291, 2292			
Biology 1101(L), 1101E(L), 1102, 1113(L), 1113H(L), 1114(L), 1114H(L), 1350, 2100(L)			
Chem 1100, 1110(L), 1210(L), 1220(L), 1250(L), 1610(L), 1620(L), 1910 H(L), 1920H(L)			
Earthsc 1100(L), 1105, 1108, 1108H(L), 1110, 1110H, 1121(L), 1121H(L), 1122(L), 1122H(L),			
1151, 1911, 2155, 2203, 2204, 2205, 2206, 2210			
Eoob 2510(L), 2520			
Enr 2100, 2155, 3000 and 3001(L)			
Entmlogy 1101(L), 1111(L), 2101, 3330,			
Fdscte 2200			
Hcs 2200, 2201(L), 2201E(L), 2202(L), 2202E(L)			
Geog 1900(L), 1900H(L), 2800(L), 2960(L), 3900, 3901H			
Humntr 2210,			
Microbio 4000(L),			
Molgen 1101(L), 3300(L)			
Physics 1103, 1104, 1106.01(L), 1106.02(L), 1107.01(L), 1107.02(L), 1110, 1200(L), 1201(L)			
1250(L), 1250H(L), 1251(L), 1251H(L), 1260(L), 1261(L), 2367			
Plntph 2000			

Major 42

Select one of the following courses:

ACCTMIS or	2200	Introduction to Accounting	
AEDECON	2105	Managerial Records and Analysis	3

Required:

AEDECON	3000	Quantitative Methods for Agribusiness and Applied Economics	3
AEDECON	3101	Principles of Agribusiness Management	3
AEDECON	3102	Principles of Agribusiness Marketing	3
AEDECON	3103	Principles of Agribusiness Finance	3
AEDECON	3105	Principles of Agribusiness and Food Supply Chains	3
AEDECON	4002.01	Econometric Applications in Agribusiness and Applied Economics	3
AEDECON	4003	Economics of Public Policy Analysis	3
AEDECON	4106	Strategic Management	3

Select one of the following:

AEDECON or	4001	Managerial Economics for Agribusiness	
ECON	4001.02	Intermediate Microeconomic Theory	3

Select One of the following:

AEDECON	4310	Environmental and Resource Economics	
AEDECON	4320	Energy, the Environment, and the Economy	
AEDECON	4535	International Economic Development	
AEDECON	4540	International Commerce and the World Economy	3

Electives in AEDECON 9

Complete at least 9 major elective credits (any AEDE courses not already taken above). No more than 6 hours of AEDECON 3488 and 4193 combined can count toward graduation. Students may be eligible to apply required and major elective courses toward academic certificates - please talk with AEDE Student Services Center for more information. The Student Services Center can be reached at 614-292-7911.

AEDE 4001: Managerial Economics for Agribusiness Term

Meeting Dates and Location: TBD

Course Format: In-person lecture

Instructor:

Name

Email address, phone number

Office hours, location of office

Credit Hours: 3 semester hours: 80 minutes per day, 2 days per week

Prerequisites: AEDE 3000 and AEDE 2001 or ECON 2001.

Textbooks/Readings:

Michael R. Baye and Jeffrey T. Prince (BP), Managerial Economics and Business Strategy, ninth edition (McGraw-Hill Irwin, 2016).

Course Description: Application of economic theory and methods to agribusiness decision making.

Goals: *Students will learn to use economic models to solve managerial problems common to agribusiness decision-making.*

Learning Outcomes:

Successful students will have the ability to:

1. Explain what managerial economics is and describe how applied managerial economics can improve agribusiness decision making.
2. Describe the role of the market forces: supply and demand. Perform simple analyses of these forces.
3. Describe the theory of individual behavior and perform simple analyses based on this theory.
4. Explain production costs and solve simple problems involving production costs.
5. Describe how competitive markets, monopolistic competitive markets, and oligopoly markets function.

How Students Meet the Outcomes:

Students will meet the learning outcomes by completing all assigned course readings; attending all lectures and completing each accompanying assignment; and completing all exams.

Course Schedule:

Instructional Week	Date	Topics
1		Fundamentals of Managerial Economics <ul style="list-style-type: none"> • Read BP, Chapter 1 • Assignment #1 due
2		Introduction to Demand and Supply <ul style="list-style-type: none"> • Read BP, Chapter 2 • Assignment #2 due
3		Demand and Demand Elasticities <ul style="list-style-type: none"> • Read BP, Chapter 3 • Assignment #3 due
4		Household-Level Microeconomics <ul style="list-style-type: none"> • Read BP, Chapter 4 • Assignment #4 due
5		Review of the 1 st four sections
6		Production and Costs <ul style="list-style-type: none"> • Read BP, Chapter 5 • Assignment #5 due
7		1 st Midterm Exam covering the 1 st four sections of the course
8		Organization of the Firm <ul style="list-style-type: none"> • Read BP, Chapter 6 • Assignment #6 due
9		Industrial Organization <ul style="list-style-type: none"> • Read BP, Chapters 7 and 8 • Assignment #7 due
10		Review of sections 5-7
11		2 nd Midterm covering sections 5-7
12		Models of Oligopoly <ul style="list-style-type: none"> • Read BP, Chapter 9 • Assignment #8 due
13		Game Theory and its Application to Oligopolistic Rivalry <ul style="list-style-type: none"> • Read BP, Chapter 10 • Assignment #9 due
14		Market Power and Pricing Strategies; Economics of Information <ul style="list-style-type: none"> • Read BP, Chapter 11 and 12
		Review of last 3 sections of the course

Final Exam Week: Final exam will cover the last three sections of the course.

Evaluation	POINTS
Homework (5 x 5% each)	25%
Exams (3 non-comprehensive @ 25% each)	75%
Total	[100%]

Exams: Exams will be non-comprehensive and include a mix of question styles. Only with legitimate reasons, such as medical problems or a death of a family member, and only with written documentation that a make-up exam can be given. Students are encouraged to speak with the instructor if they know they are unable to take the exams.

Reading: Careful reading of the textbook and other materials is essential for success in AEDE 4001.

Homework Assignments: Homework assignments will assigned in class and require you to synthesize and apply concepts covered in lecture to the questions posed in the assignment. Assignments can be completed and submitted individually or in voluntary groups

with a maximum number of five students. An assignment can be turned in after the deadline only if it is accompanied by a valid excuse from a medical provider, commanding officer, etc.

Grading Scale: The standard grading scale is below. If deviating from the standard grade scale, the grade scale must be complete and span the total possible grades from A to E.

<u>Percentage</u>	<u>Grade</u>	<u>Percentage</u>	<u>Grade</u>
93-100	A	73-76.9	C
90-92.9	A-	70-72.9	C-
87-89.9	B+	67-69.9	D+
83-86.9	B	60-66.9	D
80-82.9	B-	<60	E
77-79.9	C+		

COURSE POLICIES

Attendance Policy: Anyone with five or more unexcused absences during the semester will have his or her grade lowered by one letter (e.g. A to B or B+ to C+). Absences will be excused only if written documentation, such as a note from a medical clinic, is provided.

UNIVERSITY POLICIES

Academic Misconduct: It is the responsibility of the Committee on Academic Misconduct to investigate or establish procedures for the investigation of all reported cases of student academic misconduct. The term "academic misconduct" includes all forms of student academic misconduct wherever committed; illustrated by, but not limited to, cases of plagiarism and dishonest practices in connection with examinations. Instructors shall report all instances of alleged academic misconduct to the committee (Faculty Rule 3335-5-487). For additional information, see the Code of Student Conduct at <http://studentconduct.osu.edu>.

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UNIVERSITY RESOURCES

Counseling and Consultation Services: As a student you may experience a range of issues that can cause barriers to learning, such as strained relationships, increased anxiety, alcohol/drug problems, feeling down, difficulty concentrating and/or lack of motivation. These mental health concerns or stressful events may lead to diminished academic performance or reduce a student's ability to participate in daily activities. The Ohio State University offers services to assist you with addressing these and other concerns you may be experiencing. If you or someone you know are suffering from any of the aforementioned conditions, you can learn more about

the broad range of confidential mental health services available on campus via the Office of Student Life's Counseling and Consultation Service (CCS) by visiting ccs.osu.edu or calling 614-292-5766. CCS is located on the 4th Floor of the Younkin Success Center and 10th Floor of Lincoln Tower. You can reach an on call counselor when CCS is closed at 614-292-5766 and 24 hour emergency help is also available through the 24/7 National Suicide Prevention Hotline at 1-800-273-TALK or at suicidepreventionlifeline.org.

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AEDE 4003: Economics of Public Policy Analysis

Term

Meeting Dates and Location: TBD

Course Format: In-person lecture

Instructor:

Name
Email address, phone number
Office hours, location of office

Credit Hours: 3 semester hours; 80 minutes per day, 2 days per week

Prerequisites: AEDE 2001 or ECON 2001, AEDE 3000, and (or taken concurrently with) AEDE 4001 or ECON 4001.02

Textbooks/Readings:

- Intermediate Microeconomics: A Modern Approach, Hal R. Varian, (Eighth Edition), ISBN-13: 978-0393934243
- New Ideas from Dead Economists: An Introduction to Modern Economic Thought, Todd G. Buchholz, Revised, Updated Edition (2007), ISBN-13: 978-0452288447

Other source materials will include:

Gardner, BL 1992. Changing economic perspectives on the farm problem. J. of Econ. Literature, 30(1), 62-101.

Glauber JW, Effland A 2016. United States agricultural policy: Its evolution and impact. Intl Food Policy Res Inst; Jul 20.

Helmberger, PG. Economic analysis of farm programs. McGraw-Hill, 1991.

Novak JL, Pease JW, Sanders LD 2015. Agricultural policy in the United States: Evolution and economics. Routledge; Feb 20.

Supplemental material will be posted on Carmen.

Course Description: Understanding of economic tools and concepts for analyzing public policies important to the food industry, agriculture and natural resources.

Goals: Students will understand and think critically about the economic tools and concepts necessary for analyzing and communicating about public policies important to the food industry, agriculture, and natural resources.

Learning Outcomes:

Successful students will have the ability to:

1. Assess when and why government policy may be warranted
2. Analyze the effects of a proposed policy on economic efficiency and distribution
3. Explain the mechanics and impacts of key policy instruments and approaches through the application of economic theory
4. Describe policies commonly found in the domestic U.S. agricultural sector.

How Students Meet the Outcomes:

Students meet the learning outcomes by completing all assigned course readings; attending and fully participating in all lectures, completing each accompanying quiz; completing the assigned paper; and completing both exams.

Course Schedule:

Instructional Week	Date	Topics
1		Introduction (Varian 1) History of Economic Thought: Adam Smith and the Invisible Hand (Buchholz 1&2) <ul style="list-style-type: none"> The origins of the idea behind the efficiency of competitive markets
2		Efficiency and Markets <ul style="list-style-type: none"> What do we mean by efficiency? (Varian 31) What can markets achieve efficiency? (Varian 31 and 32)
3		Market Failures <ul style="list-style-type: none"> Externalities (Varian 34) Public Goods (Varian 36)
4		Market Failures (Continued) <ul style="list-style-type: none"> Market Power (Varian 24-25) Imperfect Information (Varian 37)
5		History of Economic Thought: Social Welfare and the Marginalist Movement <ul style="list-style-type: none"> Mills and Bentham (Buchholz 5) Marshall and Marginalism (Buchholz 7)
6		Review and 1 st Midterm Exam- in class- date TBD
7		Social Welfare Functions ,Welfare Theorems, Welfare Measurement <ul style="list-style-type: none"> Ranking policy choices- Pareto efficiency, utilitarianism vs other criteria (Varian 33) Consumer and Producer Surplus Deadweight Loss
8		Social Welfare Functions ,Welfare Theorems, Welfare Measurement (Continued) <ul style="list-style-type: none"> Evaluating Policy Changes (Varian 14-16, Helmberger Chap.2)
9		History of Economic Thought: Public Choice Theories <ul style="list-style-type: none"> Buchholz 1st half of Chapter 11
10		History of United States Agricultural Policy <ul style="list-style-type: none"> Gardner 1992, Glauber and Eftland 2016, Novak et al. Chapter 3 & 4)
11		History of United States Agricultural Policy (Continued) Draft of agricultural policy paper due
12		Welfare Analysis of Standard Agricultural Policy <ul style="list-style-type: none"> Price supports and quotas (Helmberger 4.1, 4.2, 4.4)
13		Welfare Analysis of Standard Agricultural Policy <ul style="list-style-type: none"> Marketing orders and Producer sponsored promotion (6.1)
14		Review and 2 nd Midterm Exam- on material since the 1 st midterm- in class
Final Exam Week		Agricultural Policy paper due

Evaluation**POINTS****Lecture-based quizzes (10 @ 3% each)****30%****25% for each of the 2 in-class midterm exams****50%****Paper on history of an agricultural policy****20%****Total****[100%]**

In class mid-term exams will consist of multiple choice, short answer and numerical problems.

About 1 unannounced quiz will be administered each week on the reading assigned for the class period or on material covered in the previous lecture. You receive 60% of the possible quiz points from filling in your name and the remainder for accuracy of responses to the questions. The top 10 quiz grades (of the ~12 to 13 quizzes administered) will count toward your final grade.

In lieu of a final exam, each student will write a paper of six to eight pages describing the history or origin of an agricultural policy of your choosing (the topic must be approved by me by a deadline that will be revealed in class). I will provide feedback within two weeks on one initial draft per student submitted electronically in week 12.

- This paper is due during finals week at a date and time to be announced in class

Grading Scale:

<u>Percentage</u>	<u>Grade</u>	<u>Percentage</u>	<u>Grade</u>
93-100	A	73-76.9	C
90-92.9	A-	70-72.9	C-
87-89.9	B+	67-69.9	D+
83-86.9	B	60-66.9	D
80-82.9	B-	<60	E
77-79.9	C+		

COURSE POLICIES

Attendance Policy: Attendance in class is required and accounts for 60% of each quiz. Legitimate reasons for non-attendance will be entertained.

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AEDE 3105: Principles of Agribusiness and Food Supply Chains

Meeting Dates and Location: TBD.

Course Format: In Person.

Instructor: TBD

Name

Email address, phone number

Office hours, location of office

Credit Hours: 3 semester hours

Two 80 minutes lectures per week.

Prerequisites: AEDE 2001 or ECON 2001.

Textbooks/Readings:

Required: N. Chandrasekaran & G. Raghuram. Agribusiness Supply Chain Management. ISBN-13: 978-1466516748

Supplemental: M. Pullman & Z. Wu. Food Supply Chain Management ISBN-13: 978-0415885898

Additional Required Materials: None.

Course Description: Study of the actors, intrinsic issues and support systems that are essential to make agribusiness, commodity and food supply chains effective.

Goals: *Students will understand the actors, intrinsic issues and support systems that are essential to make agribusiness, commodity and food supply chains effective.*

Learning Outcomes:

Successful students will have the ability to:

1. Recall the organizational structures common to many agribusiness, commodity and food supply chains.
2. Describe the key actors in agribusiness, commodity and food supply chains.
3. Describe the essential processes of supply chain management and their particular interrelationships within individual companies and across agribusiness supply chains.
4. Apply the tools and techniques useful in implementing supply chain management to agribusiness, commodity and food settings.

How Students Meet the Outcomes:

Students meet the learning outcomes by completing all assigned course readings; attending and participating all lectures; completing all quizzes; completing all assigned homework problem sets; and completing all exams.

Course Schedule:

Instructional Week	Date	Topics
1		The Nature of Agribusiness and Food Supply Chains
2		Key Supply Chain Actors: Input Suppliers
3		Key Supply Chain Actors: Farm Output and Market Intermediaries
4		Key Supply Chain Actors: Food Processors and Distributors
5		Key Supply Chain Actors: Food Wholesalers and Retailers
6		Intrinsic Issues: Perishability
7		Intrinsic Issues: Quality
8		Intrinsic Issues: Risk Exam
9		Support Systems: Infrastructure
10		Support Systems: Information Technology
11		Support Systems: Financial Systems
12		Support Systems: Role of Government
13		Case Studies: Local Food Supply Chains
14		Case Studies: Identity Preserved Supply Chains Review
Final Exam Week		Exam

Evaluation**POINTS****Lecture-based quizzes (top 10 @ 3% each)****30%****Homework assignments (4 @ 5% each)****20%****Midterm Exam****20%****Final Exam****30%****Total****[100%]**

Quizzes will be implemented unannounced during at least 12 lectures. These will feature multiple choice and short answer questions. Homework assignments will assigned in class and require students to synthesize and apply concepts covered in lecture to the problems posed in the assignment.

The midterm and final will include a mix of question styles.

Grading Scale:

<u>Percentage</u>	<u>Grade</u>	<u>Percentage</u>	<u>Grade</u>
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90-92.9	A-	70-72.9	C-
87-89.9	B+	67-69.9	D+
83-86.9	B	60-66.9	D
80-82.9	B-	<60	E
77-79.9	C+		

COURSE POLICIES

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Ohio State Department Course Review Concurrence Form

The purpose of this form is to provide a simple system of obtaining departmental reactions to proposed new courses, group studies, study tours, workshop requests, and course changes. A letter may be substituted for this form.

Academic units initiating a request which requires such a reaction should complete Section A of this form and send a copy of the form, course request, and syllabus to each of the academic units that might have related interests in the course. Initiating units should allow at least two weeks for responses.

Academic units receiving this form should response to Section B and return the form to the initiating unit. Overlap of course content and other problems should be resolved by the academic units before forwarding this form and all other accompanying documentation to the Office of Academic Affairs.

A. Information from academic unit *initiating* the request:

Initiating Academic Unit: AEDE

Date: 3/18/19

Registrar's Listing: AEDE

Course Number: 3105 Level: U ☒ P ☐ G ☐

Credit Hours: 3

Course Title: Principles of Agribusiness and Food Supply Chains

Type of Request: ☒ New Course ☐ Group Studies ☐ Workshop ☐ Study Tour ☐ Course Change

Academic Unit with related interests asked to review the request (use a separate form for each unit while requesting concurrences from multiple units):

Date responses are needed: 4/1/19

B. Information from academic units *reviewing* the request:

- ☒ The academic unit ***supports*** the proposal
☐ The academic unit ***does not support*** the proposal.
Please explain:

☐ The academic unit suggests:


Signature of Department Chair

Signature of Graduate Studies Chair (if applicable)

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Initiating Academic Unit: AEDE

Date: 3/18/19

Registrar's Listing: AEDE

Course Number: 3105

Level: U ☒ P ☐ G ☐

Credit Hours: 3

Course Title: Principles of Agribusiness and Food Supply Chains

Type of Request: ☒ New Course ☐ Group Studies ☐ Workshop ☐ Study Tour ☐ Course Change

Academic Unit with related interests asked to review the request (use a separate form for each unit while requesting concurrences from multiple units):

Date responses are needed: 4/1/19

B. Information from academic units *reviewing* the request:

- ☒ The academic unit **supports** the proposal
☐ The academic unit **does not support** the proposal.

Please explain:

FISHER OFFERS COURSES IN SUPPLY
CHAIN MANAGEMENT (SCM) BUT NOTHING SPECIFIC TO
AG. OR FOOD RELATED
SUPPLY CHAINS.

☐ The academic unit suggests:

Thomas Hobbie
Signature of Department Chair

Signature of Graduate Studies Chair (if applicable)

MARKETING + LOGISTICS
FISHER COLLEGE

AEDE 3000: Quantitative Methods in Agribusiness and Applied Economics

Meeting Dates and Location: TBD.

Course Format: In Person

Instructor: TBD

Name

Email address, phone number

Office hours, location of office

Credit Hours: 3 semester hours

Two 80 minutes lectures per week.

Prerequisites: MATH 1130 and AEDE 2001 or ECON 2001.

Textbooks/Readings:

Hal Varian. "Intermediate Microeconomics: A Modern Approach, 8th Edition" ISBN-13: 978-0393934243.

Bernard W. Taylor III. Introduction to Management Science (12th Edition), ISBN-10: 0133778843

Additional Required Materials: None.

Course Technology:

Course materials can be accessed via CarmenCanvas at carmen.osu.edu. You will need to use BuckeyePass multi-factor authentication to access your courses in Carmen. To ensure that you are able to connect to Carmen at all times, it is recommended that you take the following steps:

- Register multiple devices in case something happens to your primary device. Visit the BuckeyePass - Adding a Device help article for step-by-step instructions.
- Request passcodes to keep as a backup authentication option. When you see the Duo login screen on your computer, click "Enter a Passcode" and then click the "Text me new codes" button that appears. This will text you ten passcodes good for 365 days that can each be used once.
- Download the Duo Mobile application to all of your registered devices for the ability to generate one-time codes in the event that you lose cell, data, or Wi-Fi service.

If none of these options will meet the needs of your situation, you can contact the IT Service Desk at 614-688-4357 (HELP) and the IT support staff will work out a solution with you.

For help with your password, university email, Carmen, or any other technology issues, questions, or requests, contact the OSU IT Service Desk. Standard support hours are available at <https://ocio.osu.edu/help/hours>, and support for urgent issues is available 24/7.

- Self-Service and Chat support: <http://ocio.osu.edu/selfservice>
- Phone: 614-688-HELP (4357)
- Email: 8help@osu.edu
- TDD: 614-688-8743

Carmen specific resources can be found at <https://resourcecenter.odee.osu.edu/carmencanvas>

Course Description: Solutions to problems in agribusiness and applied economics

Goals: *Students will formulate and solve foundational problems in agribusiness and applied economics by learning and applying appropriate quantitative approaches.*

Learning Outcomes:

Successful students will have the ability to:

1. Recall and formulate foundational problems in agribusiness and applied economics
2. Solve foundational problems in agribusiness and applied economics
3. Interpret managerial and/or economic intuition of solutions to foundational problems in agribusiness and applied economics

How Students Meet the Outcomes:

Students meet the learning outcomes by completing all assigned course readings; attending all lectures and completing accompanying quizzes; completing all assigned homework problem sets; and completing all exams.

Course Schedule:

Instructional Week	Date	Topics
1		The Art of Quantitative and Mathematical Modeling in Agribusiness and Applied Economics
2		The Budget Constraint and a Review of Algebra Preferences, Indifference Curves and Marginal Rates of Substitution
3		Utility & Marginal Utility Consumer Choice
4		Consumer Choice (cont) Exam
5		Individual Demand
6		Market Demand
7		Consumer Surplus
8		Consumer Surplus (continued) Exam
9		Introduction to Linear Programming
10		Linear Programming with Graphical Methods
11		Linear Programming Problem Setup in MS Excel
12		Linear Programming Solutions in MS Excel Interpreting MS Excel output: Shadow prices
13		Interpreting MS Excel output: Shadow prices (continued) Interpreting MS Excel output: Reduced Cost and Range Analysis
14		Production Planning Examples Logistics and Transportation Examples
Final Exam Week		Exam (not comprehensive)

Evaluation**POINTS****Lecture-based quizzes (top 12 @ 2.5% each)****30%****Homework assignments (4 @ 6.25% each)****25%****Exams (3 non-comprehensive @ 15% each)****45%****Total****[100%]**

Quizzes will be implemented unannounced in lectures. These will feature multiple choice and short answer questions. Homework assignments will be assigned in class and require you to synthesize and apply concepts covered in lecture to the problems posed in the assignment.

Exams will be non-comprehensive and include a mix of question styles.

Grading Scale:

<u>Percentage</u>	<u>Grade</u>	<u>Percentage</u>	<u>Grade</u>
93-100	A	73-76.9	C
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COURSE POLICIES

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Communications Policy: TBD by Instructor

Late Assignments Policy: TBD by Instructor

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From: [Peck, Jim](#)
To: [Roe, Brian](#)
Subject: Re: Concurrence: AEDE 3000
Date: Friday, March 22, 2019 9:47:30 AM

Hi Brian,

I am happy to provide concurrence for AEDE 3000. Does this email suffice, or is there a form we need to fill out?

Best wishes,
Jim

Professor James Peck
Interim Chair, Department of Economics
The Ohio State University

From: Roe, Brian
Sent: Monday, March 18, 2019 1:45:35 PM
To: Peck, Jim
Subject: Concurrence: AEDE 3000

Jim,

Our department is seeking concurrence for the attached course on quantitative methods for use by our majors – let me know if you have questions.

Thanks,

Brian

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