

# FOOD AND RESOURCE ECONOMICS

---

Not all courses are offered every semester. Refer to the schedule of courses for each term's specific offerings.

More Info (<https://one.ufl.edu/soc/>)

*Unless otherwise indicated in the course description, all courses at the University of Florida are taught in English, with the exception of specific foreign language courses.*

## Department Information

Website (<https://fred.ifas.ufl.edu/>)

### CONTACT

Email ([jkropp@ufl.edu](mailto:jkropp@ufl.edu)) | 352.392.1826 (tel) | 352.846.0988 (fax)

P.O. Box 110240

1102 MCCARTY HALL B

GAINESVILLE FL 32611-0240

Map (<http://campusmap.ufl.edu/#/index/0496>)

### Curriculum

- Agricultural and Natural Resource Ethics and Policy Minor
- Agricultural and Natural Resource Law Minor
- Combination Degrees
- Food and Resource Economics
- Food and Resource Economics Minor
- International Development and Humanitarian Assistance Minor

---

## Courses

### AEB 2014 Economic Issues, Food and You 3 Credits

**Grading Scheme:** Letter Grade

The role of agriculture and economics: the how's and why's of their influence on food prices and the world food situation, the environment, natural resources and government policy; and economic issues, including inflation and money. (S)

**Prerequisite:** not for FRE majors.

**Attributes:** General Education - Social Science

### AEB 2451 Economics of Resource Use 3 Credits

**Grading Scheme:** Letter Grade

Introduces how economists value the environment and regulations designed to protect our natural resources from overuse and degradation. (S)

**Attributes:** General Education - Social Science

### AEB 3103 Principles of Food and Resource Economics 4 Credits

**Grading Scheme:** Letter Grade

Introduces the field of food and resource economics, the principles of economics as applied to agriculture, and the economic problems of the agricultural industry and the individual farmer. (S)

**Prerequisite:** MAC 2233/MAC 2311 or higher.

**Attributes:** General Education - Social Science

### AEB 3114L Introduction to Agricultural Computer Applications 1 Credit

**Grading Scheme:** Letter Grade

Introduces computer application with specific emphasis on applications used in agricultural businesses. Specific applications include spreadsheets, databases, word processing and DOS.

### AEB 3122 Financial Planning for Agribusiness 3 Credits

**Grading Scheme:** Letter Grade

Introduces basic financial and managerial decision-making for small agribusinesses.

### AEB 3133 Principles of Agribusiness Management 3 Credits

**Grading Scheme:** Letter Grade

Introduces agribusiness management principles, application of economic principles, budgeting techniques, and principles of strategy in agribusiness from management in the United States, particularly Florida. Emphasizes the financial and tax management strategies and the requirements imposed on agribusiness management by local, state and federal government regulatory agencies.

**AEB 3144 Introduction to Agricultural Finance 3 Credits**

**Grading Scheme:** Letter Grade

Basic financial statements, investment frameworks and theories of financial intermediation as applied to agricultural firms, along with an overview of financial institutions that provide capital to agriculture.

**Prerequisite:** AEB 3122 or ACG 2071.

**AEB 3281 Agricultural Macroeconomics 3 Credits**

**Grading Scheme:** Letter Grade

Introduces the world economy from a macroeconomic perspective that focuses on the links that arise from international trade and capital flows in the agricultural sector.

**Prerequisite:** ECO 2013.

**AEB 3300 Agricultural and Food Marketing 3 Credits**

**Grading Scheme:** Letter Grade

Examines agricultural and food marketing from a system and individual firm perspective. Explores problems and issues associated with marketing functions and institutions at the industry level and with objectives and strategies of farms and agribusiness firms that market agricultural commodities and food products.

**Prerequisite:** AEB 3103 or AEB 2014 or ECO 2023 or ECO 2013.

**AEB 3315 Futures Markets and Risk Management in Agriculture 3 Credits**

**Grading Scheme:** Letter Grade

Basic elements and principles of agricultural commodity marketing with emphasis on the futures industry. Includes use of futures markets for speculating and risk management for agriculture and finance. Participation in a computerized futures trading game is required.

**AEB 3341 Selling Strategically 3 Credits**

**Grading Scheme:** Letter Grade

Introduces professional selling techniques for all products with special emphasis given to food and agricultural products, technical systems and services.

**AEB 3450 Introduction to Natural Resource and Environmental Economics 3 Credits**

**Grading Scheme:** Letter Grade

Introduces natural and environmental resource economics. Emphasizes understanding economic concepts such as resource scarcity, market failure, externality, property rights and common property resources and their application to studies of forest, land, water, energy and coastal resources.

**Prerequisite:** AEB 3103 or ECO 2023. Credit cannot be received for both AEB 3450 and ECP 3302.

**AEB 3510 Quantitative Methods in Food and Resource Economics 3 Credits**

**Grading Scheme:** Letter Grade

Develops understanding of finite mathematical tools used in economics and business decision making. Topics include linear equations, matrix algebra and calculus. Lectures and problems show how these tools are used to examine economic, financial and managerial problems.

**Prerequisite:** (AEB 3103 or ECO 2023) and (MAC 2233 or MAC 2311).

**AEB 3550 Agricultural Data Analysis in Food and Resource Economics 3 Credits**

**Grading Scheme:** Letter Grade

Introduces analysis of agricultural data. Incorporates statistical and agricultural economic theory into the analysis of agricultural problems. Knowledge in use of spreadsheets is assumed.

**Prerequisite:** AEB 3103 and AEB 3510 and STA 2023.

**AEB 3671 Comparative World Agriculture 3 Credits**

**Grading Scheme:** Letter Grade

Studies the business and economic situations of the food and agriculture sector around the world. Focuses on the historical development, the current situation and the future outlook of the food and agriculture sector. (N and S)

**Attributes:** General Education - International, General Education - Social Science

**AEB 3935 Food and Resource Economics Seminar 1 Credit**

**Grading Scheme:** Letter Grade

Introduces the Department of Food and Resource Economics and career opportunities for its graduates.

**AEB 4085 Agricultural Risk Management and the Law 3 Credits**

**Grading Scheme:** Letter Grade

Develops an understanding of the basic concepts of common and statutory law. Identifies and addresses current legal issues of importance at the personal and professional levels. Develops an understanding of risk and the solutions for managing risk and relates the concepts of risk management and law in limiting exposure to legal liability.

**AEB 4123 Agricultural and Natural Resource Law 3 Credits**

**Grading Scheme:** Letter Grade

Legal aspects of agricultural rights, responsibilities and problems. Topics include agricultural estate and income taxation, zoning and land use planning, Capper-Volstead Act, international agricultural agreements, agricultural labor and consumer protection.

**AEB 4126 Agricultural and Natural Resource Ethics 3 Credits****Grading Scheme:** Letter Grade

Examines the political, economic, environmental and ethical value issues involved in agricultural practices and policies, including agricultural research. (H or S) (WR)

**Prerequisite:** junior or senior standing.**Attributes:** General Education - Humanities, General Education - Social Science, Satisfies 6000 Words of Writing Requirement**AEB 4138 Advanced Agribusiness Management 3 Credits****Grading Scheme:** Letter Grade

Integration of finance and management to solve problems faced by agricultural firms and agribusinesses. In addition to lectures, students will work in small groups to identify and to analyze case studies from agricultural and rural businesses.

**Prerequisite:** AEB 3103 and AEB 3144 and agribusiness major.**AEB 4242 International Trade Policy in Agriculture 3 Credits****Grading Scheme:** Letter Grade

Explores the role of international trade policy in agriculture and examines the effects of trade policies on domestic and international prices, consumption, production, trade and government revenues. Addresses impact of current trade issues on the agricultural sector. (S)

**Prerequisite:** AEB 3103 or ECO 2023.**Attributes:** General Education - Social Science**AEB 4282 International Humanitarian Assistance 3 Credits****Grading Scheme:** Letter Grade

Emergency assistance to developing countries to minimize losses and affect recovery. Includes legal/ethical bases; program designs promoting recovery, rather than dependence; cultural issues, including gender; and technical aspects. (N and S)

**Attributes:** General Education - International, General Education - Social Science**AEB 4283 International Development Policy 3 Credits****Grading Scheme:** Letter Grade

Studies how factors such as poverty, population, technology, resources, trade, and the environment affect the human effort to develop. Discusses the roles of the public and private sectors as well as the process of policy formulation and implementation. Emphasizes the agricultural sector and its role in the process of economic development, especially in countries where problems of hunger, demographic pressure, and poverty are pervasive.

**Prerequisite:** AEB 3103 or AEB 2014 or ECO 2013 or ECO 2023.**Attributes:** General Education - Social Science**AEB 4306 Agricultural Marketing Strategies 2 3 Credits****Grading Scheme:** Letter Grade

The strategic process of formulating and implementing marketing strategies unique to the agriculture industry.

**Prerequisite:** instructor permission.**AEB 4309 Food Wholesaling and Retail Marketing 3 Credits****Grading Scheme:** Letter Grade

Food industry trends, issues and opportunities that exist in the US and the world. Guest lecturers and recent trade publications provide students with a command of wholesaling and retail food management.

**AEB 4325 Contemporary Issues in Agribusiness Management 3 Credits****Grading Scheme:** Letter Grade

A capstone course utilizing economic concepts to address the interaction between the political process that legislates domestic agricultural, environmental and international trade policy, micro and macro economic principles, private business decisions taken by firms in response to public policies, and ethical considerations in developing and implementing public policy.

**Corequisite:** AEB 4138 or AEB 4342.**AEB 4334 Agricultural Price Analysis and Consumer Behavior 3 Credits****Grading Scheme:** Letter Grade

Quantitative measurement of factors affecting agricultural and resource prices; seasonal and cyclical fluctuations; index measures of price and quantity variables; theory and application of consumer behavior principles.

**Prerequisite:** AEB 3103 and AEB 3550.**AEB 4342 Agribusiness and Food Marketing Management 3 Credits****Grading Scheme:** Letter Grade

Application of marketing and management principles to agribusiness and food marketing problems faced by managers. Emphasis on case problems, group projects, oral presentations and written assignments.

**Prerequisite:** AEB 3133 and FRE major in the agribusiness specialization.

**AEB 4343 International Agribusiness Marketing 3 Credits**

**Grading Scheme:** Letter Grade

Problems, issues, regulations, policies and procedures unique to the global agribusiness marketing of perishable and storable agricultural commodities and food products. Combines firm-level agribusiness marketing concepts with international agribusiness marketing and export management applications. (S)

**Prerequisite:** AEB 3300.

**Attributes:** General Education - Social Science

**AEB 4374 Advanced Agricultural Microeconomics 3 Credits**

**Grading Scheme:** Letter Grade

Rigorous training in the fundamental mathematical models underlying the basic microeconomics principles; an in-depth analysis of key microeconomics concepts including consumer and producer theory, risk and uncertainty game theory, and asymmetric information. Uses mathematical and graphical methods to help illustrate the different concepts.

**Prerequisite:** AEB 3550.

**AEB 4380 Agricultural Marketing Strategies 3 Credits**

**Grading Scheme:** Letter Grade

The decision-making activities necessary to launch a new agricultural product successfully. The marketing plan development for this course follows the guidelines of the National Agri-Marketing Association Marketing Competition.

**Prerequisite:** instructor permission.

**AEB 4424 Human Resources Management in Agribusiness 3 Credits**

**Grading Scheme:** Letter Grade

Issues involved in the strategic and effective management of human resources in agribusiness. Human resource management concepts and techniques designed to improve agribusiness organizational teamwork, productivity, performance and enterprise success. Course explores the unique aspects of labor management and includes application through use of case problems, triad and video techniques.

**AEB 4673 International Agricultural Trade 3 Credits**

**Grading Scheme:** Letter Grade

Examines the economic forces associated with trade in food and agricultural products between the US and other countries. Applies economics principles and analytical techniques to international agricultural trade and multi-national markets.

**Prerequisite:** AEB 3103 and AEB 3510.

**AEB 4900 Supervised Extension Experience in Food and Resource Economics 0-3 Credits**

**Grading Scheme:** S/U

Firsthand, authentic extension experiences in agricultural and life sciences under faculty member supervision. Projects may involve program planning, development, implementation, and evaluation.

**AEB 4905 Special Problems in Food and Resource Economics 1-3 Credits**

**Grading Scheme:** Letter Grade

Individual study in selected problem areas of interest to the student and agreeable to the instructor.

**Prerequisite:** instructor permission.

**AEB 4911 Supervised Research in Food and Resource Economics 0-3 Credits**

**Grading Scheme:** S/U

Firsthand, authentic research in food and resource economics under the supervision of a faculty member. Projects may involve inquiry, design, investigation, scholarship, discovery or application.

**AEB 4915 Honors Thesis Research in Food and Resource Economics 0-3 Credits**

**Grading Scheme:** S/U

Independent research in food and resource economics leading to an honors thesis. Student will be mentored by a faculty member. Projects may involve inquiry, design, investigation, scholarship, discovery or application.

**Prerequisite:** junior standing, upper division GPA of 3.75 or higher and completed honors thesis proposal on file.

**AEB 4931 Special Topics in Food and Resource Economics 1-3 Credits**

**Grading Scheme:** Letter Grade

Lectures, conferences or laboratory covering specially selected topics in food and resource economics.

**Prerequisite:** instructor permission.

**AEB 4941 Full-Time Practical Work Experience in Food and Resource Economics 1-3 Credits**

**Grading Scheme:** S/U

Practical work must be a new experience and related to the field of study.

**Prerequisite:** previous arrangement with advisor and undergraduate coordinator and dean permissions.

**AEB 4951 Survey of Agricultural Economics 1 Credit****Grading Scheme:** Letter Grade

Trains students to think on their feet with respect to topics in the agricultural economics discipline. While individual courses tend to focus on a particular set of skills, this course enhances the student's ability to access the range of skills they acquired in past courses.

**Prerequisite:** instructor permission.**ALS 4932 Special Topics 1-3 Credits****Grading Scheme:** Letter Grade

Variable subjects provide content for the study of agricultural topics not offered in other courses.

---