F O O D  A N D  R E S O U R C E  E C O N O M I C S

AEB 5167 Economic Analysis in Small Farm Livelihood Systems 3 Credits
Grading Scheme: Letter Grade
General analysis techniques used to enhance economic analysis of small-scale, limited-resource family farm livelihood systems to evaluate impact of proposed technology, infrastructure, and policy changes on family welfare. Linear programming and regression. Emphasis on tropical agriculture.

AEB 5188 Economics of Agribusiness Decisions 3 Credits
Grading Scheme: Letter Grade
Comprehensive treatment of microeconomic theory and its use in managerial decision making.
Prerequisite: AEB 3103 or ECO 2023.

AEB 5326 Agribusiness Financial Management 3 Credits
Grading Scheme: Letter Grade
Integration of finance and management decision-making tools to solve advanced financial and other management problems faced by agricultural firms and agribusinesses.
Prerequisite: ACG 2021

AEB 5516 Quantitative Methods in Agribusiness Decisions 3 Credits
Grading Scheme: Letter Grade
Introduction to variety of quantitative methods with application to business decision-making contexts.
Prerequisite: STA 2023.

AEB 5757 Strategic Agribusiness Human Resource Management 3 Credits
Grading Scheme: Letter Grade
Issues involved in strategic and effective leadership and management in agribusiness sector of economy. Emphasis on human resource ideas and techniques that managers utilize to improve organizational teamwork, productivity, and performance.

AEB 6106 Microeconomic Principles and Analysis 3 Credits
Grading Scheme: Letter Grade
Economics as a behavioral science describing actions of consumers and producers interacting in the market process; welfare economics; property rights; competition and equilibrium. Institutional backdrop for market process. Problem solving using economic principles.
Prerequisite: ECO 3101 and MAC 2311 or equivalents.

AEB 6145 Agricultural Finance 3 Credits
Grading Scheme: Letter Grade
Prerequisite: AEB 3144 or FIN 3403.

AEB 6183 Agribusiness Risk Management 3 Credits
Grading Scheme: Letter Grade
Examine and develop the applied risk analysis skills useful for risk management decision-making by agricultural producers, agribusinesses, and researchers.

AEB 6225 Public Policy and the Agribusiness Firm 3 Credits
Grading Scheme: Letter Grade
Economic policy process at national and international levels. Issues include structure of food system, food safety, and environmental impacts.

AEB 6301 Food Wholesale and Retail Marketing 3 Credits
Grading Scheme: Letter Grade
Wholesale and retail issues that exist both in U.S. and world markets, such as brand management, supermarket management, and market research.

AEB 6385 Management Strategies for Agribusiness Firms 3 Credits
Grading Scheme: Letter Grade
Planning, organizing, implementing, and evaluating the agribusiness management functions of strategic planning, finance, marketing, and personnel.
Prerequisite: ECO 3101.

AEB 6553 Elements of Econometrics 3 Credits
Grading Scheme: Letter Grade
Econometric problem solving and determining quantitative relationships among economic variables in agriculture and related industries.
Prerequisite: AEB 3103, 4511; STA 3023.

AEB 6674 Intl Agr Pol and Trade 3 Credits
Grading Scheme: Letter Grade
Intl Agr Pol and Trade

AEB 6675 International Agribusiness Marketing 3 Credits
Grading Scheme: Letter Grade
Principles, issues, barriers, policies, strategies, and decisions involved in global marketing and trade of perishable and storable agricultural commodities and food products.
Prerequisite: AEB 5188.

AEB 6817 Survey Research Methods for Economists 3 Credits
Grading Scheme: Letter Grade
Process of creating, validating, implementing, coding, and interpreting results from economic surveys.

AEB 6905 Problems in Food and Resource Economics 1-3 Credits, Max 8 Credits
Grading Scheme: Letter Grade
Individual study. Problems of interest to the student and agreeable to the instructor.
Prerequisite: consent of instructor.

AEB 6921 Workshop in Food and Resource Economics I 1 Credit
Grading Scheme: Letter Grade
Empirical applications of concepts developed in the microeconomic core.
Prerequisite: AEB 6533.

AEB 6933 Special Topics 1-6 Credits, Max 6 Credits
Grading Scheme: Letter Grade
Special Topics

AEB 6934 Workshop in Food and Resource Economics II 1 Credit
Grading Scheme: Letter Grade
Developing and understanding how to apply food and resource economic concepts to agricultural and resource related problems.

AEB 6942 Advanced Applications in Agribusiness Experience 1-3 Credits, Max 6 Credits
Grading Scheme: Letter Grade
Applications of marketing, management, and finance principles to workplace station. Applications developed from approved internship.

AEB 6971 Research for Master's Thesis 1-15 Credits
Grading Scheme: S/U
Research for Master's Thesis
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<th>Course Code</th>
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<tr>
<td>AEB 7108</td>
<td>Microeconomic Theory II</td>
<td>3</td>
<td>Letter Grade</td>
<td>Continuation of Microeconomic Theory I. Theory of the firm, market theory, market failure (externalities, market power, and asymmetric information). Game theory and applications. General equilibrium theory, welfare trade theory, and agricultural trade policy. Prerequisite: ECO 7115.</td>
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<tr>
<td>AEB 7174</td>
<td>Economic Coordination and Organizational Behavior in Agribusiness</td>
<td>3</td>
<td>Letter Grade</td>
<td>Analysis of the organization of economic activities across firms and markets, internal governance structures and the separation of ownership and control.</td>
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<tr>
<td>AEB 7182</td>
<td>Agricultural Risk Analysis and Decision Making</td>
<td>3</td>
<td>Letter Grade</td>
<td>Review of conceptual framework and research methods for analysis of decision making by agricultural producers. Expected utility theory, risk programming, stochastic dominance, and dynamic decision models. Prerequisite: AEB 6106 or equivalent.</td>
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<tr>
<td>AEB 7184</td>
<td>Production Economics</td>
<td>3</td>
<td>Letter Grade</td>
<td>Producer decisions including theoretical and empirical problems of multi-factor, multi-product, and poly-period cases. Input demand and product supply functions at the commodity and industry levels. Prerequisite: AEB 7182.</td>
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<tr>
<td>AEB 7240</td>
<td>Macroeconomic Theory in Open Economies II</td>
<td>3</td>
<td>Letter Grade</td>
<td>Essential elements of macroeconomic theory and policy in world of interdependent nations.</td>
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<tr>
<td>AEB 7373</td>
<td>Consumer Demand and Applied Analysis</td>
<td>3</td>
<td>Letter Grade</td>
<td>Theories of Consumer Behavior in Static and Dynamic Contexts; analysis of household expenditure and demand.</td>
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<tr>
<td>AEB 7453</td>
<td>Natural Resource and Environmental Economics</td>
<td>3</td>
<td>Letter Grade</td>
<td>Resource use, management, development, and conservation. Institutional and market performance in providing socially desired outcomes. Prerequisite: ECO 3101 and 3203, or consent of instructor.</td>
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<tr>
<td>AEB 7483</td>
<td>Seminar in Natural Resource and Environmental Economics</td>
<td>3</td>
<td>Letter Grade</td>
<td>Application of economic methods to problems of environmental and regional development; input-output models, cost-benefit analysis, economic valuation, and development planning. Prerequisite: AEB 7453.</td>
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<tr>
<td>AEB 7571</td>
<td>Econometric Methods I</td>
<td>3</td>
<td>Letter Grade</td>
<td>Linear and nonlinear econometric models, serial correlation, heteroscedasticity, errors in variables, qualitative variables, specification errors, and simultaneous equation models. Prerequisite: MAS 2103, STA 4322.</td>
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<tr>
<td>AEB 7572</td>
<td>Econometric Methods II</td>
<td>3</td>
<td>Letter Grade</td>
<td>Topics in econometrics including single equation and multiple equation linear and nonlinear models. Prerequisite: AEB 7571.</td>
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<tr>
<td>AEB 7645</td>
<td>Economic Development and Agriculture</td>
<td>3</td>
<td>Letter Grade</td>
<td>Relation of human, capital, and natural resources, technology, and institutions to income growth and distribution. Development strategies in low-income countries. Prerequisite: ECO 3101 or AEB 3103.</td>
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<tr>
<td>AEB 7979</td>
<td>Advanced Research</td>
<td>1-12</td>
<td>S/U</td>
<td>Research for doctoral students before admission to candidacy. Designed for students with a master's degree in the field of study or for students who have been accepted for a doctoral program. Not appropriate for students who have been admitted to candidacy.</td>
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