

# Agricultural Economics Courses

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**AEC 500 - Food Industry Trends and Issues**

Hours: 3

Analysis of current trends and issues in the food industry, including norms, specifications, and standards; trade issues; and policies with national and international scope that affect the U.S. food industry. The focus is on developing an understanding of the causes and consequences, the various issues involved, and how they affect stakeholders and society.

**AEC 520 - AgriBusiness Analysis and Forecasting**

Hours: 3

Fundamentals of linear programming, forecasting, and simulation based on economic theories using statistical software packages. Construction, solution, and interpretation of different types of linear programming models. Quantitative techniques for forecasting economic data. Risk analysis and decision-making using simulation.

**AEC 530 - Agricultural Production Economics**

Hours: 3

Agricultural production theory for optimization of resources under certainty and uncertainty. Economic theory, analytical methodology, and agribusiness firm behavior.

**AEC 540 - Advanced Theory of Demand and Price Analysis**

Hours: 3

The development and use of economic models for price analysis and forecasting with emphasis on the interpretation of economic relationship in agriculture. Analysis of the effects of consumer behavior upon marketing firms and upon the demand for agricultural products.

**AEC 550 - Market Analysis and Structure**

Hours: 3

Managerial strategies, marketing decision-making process, analyses of marketing opportunities and challenges, agricultural firms, food distribution industry, marketing system, agricultural firms under imperfect market conditions, sources of imperfections, and welfare considerations under imperfect market conditions.

**AEC 560 - International Agricultural Trade**

Hours: 3

Trade theory dealing with the production, marketing, and distribution of goods and services. Comparative advantage, gains from specialization, trade models, trade policy analysis, partial equilibrium analysis of free trade, welfare aspects of trade, preferential agreements, and policy issues.

**AEC 589 - Independent Study**

Hours: 1-4

Independent Study. One to four semester hours. Individualized instruction/research at an advanced level in a specialized content area under the direction of a faculty member. May be repeated when the topic varies. Prerequisite: Consent of department head.

**AEC 597 - Special Topics**

Hours: 1-4

Special Topics. One to four semester hours. Organized class. May be repeated when topics vary.