

Agricultural Economics Graduate Courses

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AG EC 7110

In-Service Course in Agricultural Economics (2-10).

A. Profit Maximizing Principles B. Farm Planning C. Farm Records and Analysis D. Business Management E. Using Computers in Farm Management Decision Making. Basic principles of farm management. Applications of principles and subject matter in successful classroom presentation primarily for high school teachers. Course is offered in sections A-E as listed, for 2 hours each. Prerequisites: graduate standing and 10 hours credit in Agricultural Economics, including AG EC 3260, or instructor's consent.

AG EC 7301

Topics in Agricultural Economics (1-6).

Current and new topics not currently offered in applied and/or theoretical areas in Agricultural Economics. Prerequisite: graduate standing.

AG EC 7310

Local Economics Analysis (1).

Economic based theory, including multipliers and how local economies are affected by external events. Methods for local economic analysis: trends, location quotients, shift-share, and retail analyses. On-line course.

AG EC 7340

Rural Real Estate Appraisal (3).

Principles, techniques, practices of rural real estate appraisal. Field trips. Prerequisites: graduate standing and AG EC 3260.

AG EC 7356

Environmental Law and Policy (3).

Legislative, administrative, and common law dealing with the environment. Introduces the fundamental concepts and classic issues underlying the body of law and policy dealing with the environment. Includes air and water quality, endangered species preservation, land use, and waste disposal. Prerequisites: graduate standing. For non-law students. Recommended AG EC 2156, 3256 or 3257.

AG EC 7940

Internship Experiences in Agricultural Economics (3).

Combines study, observation, and employment in a public agency or private firm in marketing, farm management, or credit. Staff supervision and evaluation. Reports required. Prerequisites: graduate standing and 2.5 GPA; 75 hours of course work and instructor's consent. Graded on S/U basis only.

AG EC 7962

Planning the Farm Business (3).

Economic analysis and planning of the farm business and its organization. Applications of computerized management techniques to farm business including resource acquisition, tax management, enterprise analysis, and business analysis through farm records and budgets. Prerequisites: graduate standing and AG EC 3260 or AGRIC 1111 or equivalent.

AG EC 7971

Agribusiness Management Strategy (3)

Analysis of industry forces in agriculture and food sector. Assessing risks and firms capabilities. Development of firm's competitive strategy, including vertical integration, diversification, international business option, and financial planning and performance measurement. Prerequisites: graduate standing and AG EC 2183, 3282, 3286, ENGLSH 1000 and AGRIC 1111.

AG EC 7972

Agri-Food Business and Cooperative Management (3).

Risk management in the global agri-food chain, including managing the unique uncertainties of biological production processes, global market analysis, and government intervention, of risk management tools and institutions unique to strategic decision making in agribusiness and cooperative firms. Prerequisites: graduate standing and AG EC 2183, 3256 and 3286.

AG EC 7995

Economics of Agricultural Production and Distribution (3).

Applies economic principles to agricultural production including price theory, linear programming and uncertainty. Prerequisites: graduate standing and ECONOM 3251, STAT 1400 or equivalent.

AG EC 8001

Advanced Topics in Economics (3).

Analyzes economic logic problems. Current agricultural economic problems. Prerequisite: graduate standing.

AG EC 8010

Research Methodology (3).

Students explore the roles of theory and methods in economics research, develop a program of research, and critique published research. Students also study the scientific methods and the research process, including problem definition, research design, data collection and analysis, and generalization. Prerequisite: graduate standing.

AG EC 8024

Advanced Production Economics (3).

Production function analyses and advanced theory of the firm as applied to agricultural production problems. Concepts of input demand, production supply, quality, time and technology, dynamic analysis and production under uncertainty. Prerequisites: MATH 1500, AG EC 4995; ECONOM 8451; STAT 4510 or ECONOM 8472.

AG EC 8050

Economics of Institutions and Organizations (3).

This course expands upon the fundamental principles of neo-classical economics by relaxing traditional behavioral and informational assumptions and by introducing the importance of transaction costs and institutions for economic analysis. Prerequisite: graduate standing.

AG EC 8060

Mathematical Modeling for Social Scientist (3).

Introduction to mathematical programming, emphasizing problem formulation and solution interpretation. Computer applications are stressed. Prerequisite: STAT 4510.

AG EC 8085

Masters Problems in Agricultural Economics (cr.arr.).

Supervised study, research in specialized phases of agricultural economics. Prerequisite: instructor's consent.

AG EC 8087

Seminar in Agricultural Economics (1).

Lectures, reports on economic problems in agriculture.

AG EC 8090

Masters Thesis Research in Agricultural Economics (1-6).

Independent investigation of advanced nature, leading to dissertation. Graded on a S/U basis only.

AG EC 8210

Theory of Markets (3).

Development of theories of monopolistic, monopolistic competition; application to agricultural markets. Market structure influence on price, non-price competition in buying, selling of farm products and inputs. Prerequisites: ECONOM 7351.

AG EC 8230

Welfare and Consumption Economics (3).

Introduces welfare economic principles; application to problems of resource allocation. Appraises economic policies, programs; consumers' choice; measurement of consumption; living standards; household decisions and markets relation. Prerequisites: 12 hours Economics.

AG EC 8410

Natural Resource and Environmental Economics (3).

Contemporary natural resource/environmental problems; natural resource capacity, alternative economic theories, property rights, externalities, market failures, efficient use of exhaustible and renewable resources, and economics of environmental pollution. Prerequisites: ECONOM 7351.

AG EC 8430

International Agricultural Development Policy (3).

An analytical review of economic policies directed toward stimulating agricultural development in the world's low income countries. Prerequisites: ECONOM 7351, 7353.

AG EC 8448

Society and Ecosystems Research Seminar (3).

(same as Rural Sociology 448 and Natural Resources 448). This seminar, capstone for the Graduate Certificate Program in Society and Ecosystems, exposes students to interdisciplinary research on interactions between social, economic and ecological systems.

AG EC 8450

Masters Non Thesis Research (1-6).

Independent investigation of advanced nature. Report required.

AG EC 8610

Economic and Sociological Approaches to Collective Action (3).

(same as rural Sociology 8610). This course identifies analytical and methodological tools, including rational choice and social capital, to deal with practical problems of collective action in: agricultural cooperatives, rural community development, political interest groups and other mutuals. Prerequisite: AG ECON 7972.

AG EC 9001

Advanced Topics in Economics II (3).

Analyzes economic logic problems. Current agricultural economic problems. Prerequisite: graduate standing.

AG EC 9085

Doctoral Problems in Agricultural Economics (cr.arr.).

Supervised study, research in specialized phases of agricultural economics. Prerequisite: instructor's consent.

AG EC 9090

Doctoral Dissertation Research in Agricultural Economics (cr.arr.).

Independent investigation of advanced nature, leading to dissertation. Graded on a S/U basis only.

AG EC 9220

Advanced Price Analysis (3).

Applies economic theory and quantitative methods to analyze agricultural price issues. Examines problem formulation, estimation, and model evaluation applied to demand and supply situations. Prerequisites: ECON 8451 or 8472; STAT 4510

AG EC 9265

Current Economic Aspects of Agriculture (3).

Application of welfare economics theory to food, agricultural and rural development policy analysis. Historical perspective and economics analysis of contemporary issues in national and international policy and institutions. Prerequisites: ECONOM 7351 and AGECE 8230.

AG EC 9310

Rural Economic Growth and Development (3).

Covers new growth theories, migration, cumulative causation, agglomeration economies, increasing returns, human capital, social capital, new economic geography, and new trade theories. Prerequisites: ECONON 7351, 7353; matrix algebra.

AG EC 9320

Regional Economic Theory and Methods (3).

Theory of spatial economics: Central place theory, spatial labor markets, location theory, social accounting matrices, input-output, computable general equilibrium, geographic information systems and regional econometric models. Prerequisites: ECONOM 7351, 7353, and matrix algebra.

AG EC 9475

Econometrics I (3).

(same as Economics 9475). Emphasis is given to special estimation problems which occur in integrating the theory with various types of economic data.

AG EC 9476

Econometrics II (3).

(same as Economics 9476).

AG EC 9510

Economics of Agribusiness Firm (3).

This course builds on transaction cost-based theories and tools to study the economic underpinnings of intra-firm organization, firm boundaries, and the structure of inter-firm transactions. Prerequisite: AG EC 8050.

AG EC 9520

Economics of Agribusiness Markets (3).

Relationships of neoclassical and new institutional economics to designing organizational strategy and structure. Internal coordination and structure, organizational boundaries, and competitiveness and sustainability of food system organizations. Prerequisite: AG EC 8 University