

Agricultural Economics

Farm Management (AGEC)

AGEC 110N. Introductory Farm Management (3)

Prerequisites: AGECE 1, 31, and 76. Survey course for non-agricultural business majors. Introduction to applied economics and farm business management topics: farm accounting, financial statement analysis, management principles, computer assisted decision aids, animal and crop enterprise budgeting, farm business planning, tax management, investment analysis, agricultural finance. (2 lecture, 3 lab hours)

AGEC 110. Farm Management (3)

Prerequisites: AGECE 31, 76, and 100. Production economics and management techniques for analysis of efficient farm resource use, planning and organization; analysis of budgeting and optimization techniques, and computer applications for developing farm management plans. (2 lecture, 3 lab hours)

AGEC 117. Agricultural Labor-Management Relations (3)

Prerequisite: AGECE 1. Economic analysis of the farm labor market; labor productivity, agricultural mechanization and farm employment; farm labor laws and government regulations; agricultural labor relations, unionization, and collective bargaining; farm personnel administration practices and supervisory management principles.

Agribusiness Management (AGEC)

AGEC 28. Introductory Agricultural Law (3)

Fundamentals of agricultural law including historical sources; legislative laws and business ethics; administrative regulations, judicial decisions affecting agriculture; express and implied contracts with remedies for their breach in agricultural situations; real and personal property law plus secured transactions in agriculture.

AGEC 120. Agribusiness Management (3)

Prerequisite: AGECE 1. Organizational forms and management functions of agribusiness firms; human resource management systems; management science principles for optimizing plant location, equipment replacement, inventory control, and sales volume; operations research techniques, including probability-based network and decision models, for solving agribusiness problems.

AGEC 122. Agricultural Cooperative Management (3)

Prerequisite: AGECE 120. Philosophical, historical, and legislative evolution of U.S. agricultural cooperatives; uniqueness of cooperative organization, planning, direction and control functions vis-a-vis standard corporations; legal, financial, and tax considerations in managing input-supply and marketing cooperatives; case studies and field trips to cooperatives.

AGEC 124. Food and Fiber Industry Management (3)

Prerequisite: AGECE 1. Production management of farm input manufactures, agricultural commodity processing, food/fiber product distribution; functional approach to transformation/value-added operations including planning, organizing, directing, coordinating, controlling; case applications to materials handling, product development, food packaging, quality control, transportation logistics, inventory management.

Financial Planning (AGEC)

AGEC 31. Farm Accounting (3)

Basic concepts and principles of financial accounting systems applied to farm operations; mechanics of recording single and double entry transactions under cash and accrual accounting methods; preparation and analysis of enterprise records and financial statements to generate management information.

AGEC 32. Agribusiness Managerial Accounting (3)

Prerequisite: AGECE 31 or ACCT 4A. Application and analysis of accounting information for farm and agribusiness management; integration of economic, and financial principles in preparing business plans; equipment cost control and crop enterprise accounting methods; capital investment and profit performance; introduction to computerized farm accounting systems. (2 lecture, 1 arranged)

AGEC 130. Agricultural Finance (3)

Prerequisites: AGECE 2, 31, 76; 100 or instructor's permission. AGECE 32 recommended. Analysis of farm financial transactions; legal instruments of financial transactions; institutional sources of farm credit; time value of money and capital budgeting for agricultural investment; cost of debt and equity capital; risk management strategies; insurance, tax, and farm estate planning.

AGEC 131. Agricultural Capital Markets (3)

Prerequisites: AGECE 2, 130. Public and private financial intermediaries as sources of agricultural capital; the Cooperative Farm Credit System; credit management policies and practices; government policy, the regulatory environment, and competitive financial markets; legal requirements of financial instruments; external equity capital; and lease financing.

AGEC 136. Farm and Ranch Appraisal (3)

Prerequisites: AGECE 1. AGECE 110 or 110N recommended. Principles of agricultural appraisal; physical and economic factors affecting land values; estimation of real estate value using income, cost, and market data approaches; case studies and field problems involving the valuation of local farm and ranch properties.

Agricultural Development (AGEC)

AGEC 140. International Agricultural Economics (3)

Prerequisites: AGECE 1; AGECE 2 or ECON 50. U.S. agricultural sector in the global economy; trade theory versus government protectionism; domestic farm programs impacts on commodity exports/imports; international agreements, multi-lateral institutions, foreign currency exchange rates, overseas investment; regulatory, fiscal, and monetary policies affecting agribusiness competitiveness in world markets.

Public Policy (AGEC)

AGEC 150. Agricultural and Food Policy (3)

Prerequisite: AGECE 1; AGECE 2 or ECON 50. Analysis of public policies affecting the economics of U.S. and California agriculture; government programs influencing agricultural production, commodity distribution, market prices, farm income; environmental and natural resource issues; nutrition, food safety and biotechnology concerns; food industry regulation; international agricultural trade.

AGEC 151. Natural Resource Economics (3)

Prerequisite: AGECE 1. Economics of allocating and regulating resource use; land, water, air, forest, mineral, wildlife, and pollution issues; values conflict over resource preservation versus utilization balance; urbanization, farming, and environmental quality; collective action and public policy