

Agricultural Business

AGBS 78. Agribusiness

Quantitative Analysis (3 units)

Prerequisite: ELM requirement met. Functional relationships, marginal analysis and decision-making models in agribusiness; logic and probability in diagnosing problems, designing operations and achieving objectives; identification of procedures for efficient resource utilization. (Formerly AGECE 78)

AGBS 80. Undergraduate Research (1-4; max total 4 units)

Prerequisites: AGBS 1 and permission of instructor. Directed study or research on particular problems in the field of agricultural economics and business. Consult department policies and procedures governing undergraduate research. Approved for *RP* grading. (Formerly AGECE 80)

AGBS 85T. Topics in Agricultural Business (1-3; max total 6 units)

Agricultural economics, farm management, agribusiness management, financial planning, agricultural development, public policy, product marketing, and decision analysis. Topics may require lab hours. (Formerly AGECE 85T)

AGBS 100. Intermediate Agricultural Economics (3 units)

Prerequisites: AGBS 1; AGBS 78 or DS 71 or MATH 75. Microeconomic theory of agricultural production in factor-product, factor-factor, product-product decisions; production costs and economies of size; consumer choice theory; price and output determination under imperfectly competitive markets; marginal productivity theory and the derived demand for agribusiness inputs. (Formerly AGECE 100)

AGBS 110. Farm Management (3 units)

Prerequisites: AGBS 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. (Formerly AGECE 110)

AGBS 117. Agricultural Labor-Management Relations (3 units)

Prerequisite: AGBS 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. (Formerly AGECE 117)

AGBS 120. Agribusiness Management (3 units)

Prerequisite: AGBS 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. (Formerly AGECE 120)

AGBS 122. Agricultural Cooperative Management (3 units)

Prerequisite: AGBS 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. (Formerly AGECE 122)

AGBS 124. Food and Fiber Industry Management (3 units)

Prerequisite: AGBS 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. (Formerly AGECE 124)

AGBS 130. Agricultural Finance (3 units)

Prerequisites: AGBS 2, 31, 76; 100 or instructor's permission. AGBS 32 recommended. Analysis of farm financial statements; 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. (Formerly AGECE 130)

AGBS 131. Agricultural Capital Markets (3 units)

Prerequisites: AGBS 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. (Formerly AGECE 131)

AGBS 136. Farm and Ranch Appraisal (3 units)

Prerequisites: AGBS 1. AGBS 110 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. (Formerly AGECE 136)

AGBS 140. International Agricultural Economics (3 units)

Prerequisites: AGBS 1; AGBS 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. (Formerly AGECE 140)

AGBS 150. Agricultural and Food Policy (3 units)

Prerequisite: AGBS 1; AGBS 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. (Formerly AGECE 150)

AGBS 155. Environmental and Natural Resource Policy (3 units)

Prerequisites: G.E. Foundation and Breadth Area D. Economic analysis of public policies governing land use, water management, energy generation, mineral exploitation and forest administration; review of population pressures and resource conservation; examination of externalities, property rights issues, resource use planning, agricultural zoning, environmental regulations, and reclamation law. G.E. Integration ID. (Formerly AGECE 155)