AECC-AGRICULTURAL ECON/ECON (AECC)

AECC 501. Microeconomic Theory
3 Credits
A rigorous re-examination of the pricing mechanism in the goods and factor markets. Development of theoretical tools of general applicability.
Prerequisite(s): ECON 371 and ECON 457, or consent of instructor.

AECC 502. Macroeconomic Theory
3 Credits
Contemporary aggregative theory regarding the interrelationships among national income, employment, the price level, money supply and interest rates, and implications of this theory for public policy in a mixed economy.

AECC 511. Advanced Futures and Options Markets
3 Credits
Advanced hedging and speculating strategies using futures and options contracts. Coverage includes interest rates, stock indexes, metals, currencies, livestock, and grains. Concepts of price analysis (technical and fundamental) and basis analysis; technical paper is required. Same as AG E/FIN 311 with additional coursework required at the graduate level. Cannot receive credit for both AG E/FIN 311 and AECC/FIN 311. Crosslisted with: FIN 511.

AECC 520. International Agricultural Trade Theory and Policy
3 Credits
Review and analysis of international trade models. Analysis of the effects of trade instruments such as tariffs, quotas, and subsidies on welfare and income distribution. Analysis of bilateral, regional, and multilateral trade agreements and their effect on the agricultural sector from both country-specific and global perspectives.
Prerequisite: ECON 371.

AECC 522. Public Sector Economics I
3 Credits
Introduction to the economic rationale for government intervention in the economy and the effects of that intervention on economic agents and the economy in general. Emphasis on the expenditure side of government policies. Same as GOVT 522.

AECC 523. Public Sector Economics II
3 Credits
A continuation of AECC 522. Concentrates on the economic effects of taxation. Same as GOVT 523.

AECC 526. Global Food Supply Chain Management
3 Credits
This course aims to provide students a basic understanding of supply chain management issues, and encourages them to analyze problems from a systems perspective, and introduce them to a number of decision tools that are currently being used by the industry such as process analysis, product design, waiting line management, quality control, just-in-time, and inventory management.

AECC 528. Economic Development
3 Credits
A graduate-level exposition of microeconomic and macroeconomic theory of why and how nations allocate resources to grow and develop. Strong emphasis is given to understanding the economic problems facing developing nations.

AECC 540. Econometrics I
3 Credits
An integration of quantitative and statistical techniques for research and management in economics and business.
Prerequisite(s): ECON 457 and ECON 405 or A ST 505.

AECC 545. Advanced Agricultural Policy
3 Credits
Historical and cultural background of food and agricultural policy in the United States. Analysis of food and agricultural problems, policy-making and implementation. Economic evaluation of specific U.S. food and agricultural policy instruments, their domestic and international impacts. Same as AG E 445V with additional work required at the graduate level. Cannot receive credit for both AG E 445V and AECC 545.
Prerequisite: consent of instructor.

AECC 550. Advanced Microcomputer Applications in Agriculture
3 Credits (2+2P)
An advanced course in electronic spreadsheets and the concepts and tools of database management emphasizing agricultural applications. Taught with AG E 450 with additional coursework required at the graduate level. Cannot receive credit for both AG E 450 and AECC 550.
Prerequisite(s): AG E 250G or consent of instructor.

AECC 551. Advanced Agribusiness Marketing
3 Credits
Applications course in which self-managed teams apply marketing theory in the development and presentation of marketing plans for food and agribusiness firms. Course includes analysis of marketing problems with emphasis on strategic marketing issues changing trade policies, and global competitiveness.
Prerequisite: consent of instructor.

AECC 556. Advanced Agribusiness Management
3 Credits
Integration of production, marketing, accounting, finance, agricultural policy, human behavior, and business environment concepts in management of agricultural businesses using a decision case approach.

AECC 575. Economics of Water Resource Management and Policy
3 Credits
Focuses on issues, approaches and methods used in the assessment of water resource management and policy problems. Extends and further develops student understanding and comprehension of specific economic concepts and methods that are useful in the assessment and management of water resources, including cost-benefit analysis, welfare economics, non-market valuation, watershed management, and consideration of equity and ethical concerns. Students will develop critical reasoning, communication and analytic skills through active class discussions and assignments that emphasize both quantitative and written products. May be repeated up to 3 credits.

AECC 585. Production Economics
3 Credits
Application of microeconomic theory to problems and decisions of food and agricultural firms. The theoretical foundation of production economics and the theory of the firm are developed.
Prerequisites: MATH 142G, ECON 371, and ECON 457.

AEEC 590. Special Topics
3 Credits
Seminars in selected current topics in the various areas of agricultural economics and economics. Offerings will carry a subtitle.
Prerequisite: consent of instructor.
AEEC 593. Internship
1-6 Credits
Supervised professional on-the-job training experience in policy analysis.

AEEC 594. Internship
1-6 Credits
One semester to six months internship with a regulated firm or public utility commission. A faculty member will direct and evaluate the internship. For AEEC regulatory option students only.

AEEC 595. Internship
3 Credits
Supervised professional on-the-job learning experience.
Prerequisite(s): Consent of instructor.

AEEC 596. Individual Study
1-3 Credits
Individual study programs. Each offering will carry a subtitle. Maximum of 3 credits in a semester and 6 credits in a program.
Prerequisite: consent of instructor.

AEEC 597. Non-Thesis Research Project
1-3 Credits (1-3)
Individual investigations, either analytical or experimental. Maximum of 3 credits per semester. No more than 3 credits toward a degree.

AEEC 598. Creative Component Project
3-6 Credits (3-6)
Individual investigations, either analytical or experimental. A minimum of 3 to 6 credits per semester. No more than 6 credits toward degree. Consent of instructor required. Restricted to AEEC majors.
Prerequisite(s): Consent of Instructor.

AEEC 599. Master’s Thesis
15 Credits
Thesis.