



AGRICULTURAL ECONOMICS (AECN)

AECN 20 Seminar in Agricultural and Applied Economics

Notes: This seminar is for students with freshmen standing or first-year transfer students with a major in the Department of Agricultural Economics.

Description: Overview of the agricultural and applied economics field, highlighting the broad range of topics that agricultural and applied economists work on. Student involvement (campus organizations, research, and study abroad) and career opportunities will also be discussed.

Credit Hours: 0

Max credits per semester:

Max credits per degree:

Grading Option: Pass No Pass

Offered: FALL/SPR

AECN 100 New Student Career Orientation

Prerequisites: First semester freshmen; major in agricultural economics or related discipline.

Description: Academic success and development of leadership skills through involvement and activities on campus. Time management and study skills. Identify potential internship and career opportunities.

Credit Hours: 1

Max credits per semester: 1

Max credits per degree: 1

Grading Option: Graded with Option

AECN 109 Water in Society

Crosslisted with: SCIL 109, NRES 109, ENVR 109, GEOG 109

Description: Introduction to the scientific, social, and economic dimensions of historical and contemporary water systems. Students will develop an understanding of hydrologic systems and analyze and engage in decision-making about complex challenges associated with water resource use.

Credit Hours: 3

Max credits per semester: 3

Max credits per degree: 3

Grading Option: Graded with Option

Offered: FALL

Prerequisite for: SCIL 300

ACE: ACE 4 Science ACE 8 Civic/Ethics/Stewardship

AECN 141 Introduction to the Economics of Agriculture

Notes: Not recommended for students who have math entrance deficiencies. Open to freshmen and sophomores only.

Description: Introductory course on the basic principles of agricultural economics. Production economics, principles of supply and demand, resource economics, world food situation, marketing of agricultural products, and agricultural public policy.

Credit Hours: 3

Max credits per semester: 3

Max credits per degree: 3

Grading Option: Graded with Option

Prerequisite for: ABUS 341, MRKT 341; AECN 201; AECN 220; AECN 225, EAEP 225, MRKT 225; AECN 235, MRKT 235; AECN 265, NREE 265; AECN 301; AECN 316; AECN 340; AECN 345; AECN 346; AECN 367; AECN 376; AECN 420; AECN 436; AECN 453; AECN 474; BLAW 371; BLAW 371H; BLAW 372; ECON 303; ECON 311A; ECON 311B; ECON 312A; ECON 312B; ECON 321; ECON 389; ECON 417; FINA 300; FINA 361; MNGT 301; MNGT 301H; MNGT 475; MRKT 300; SCMA 331; SCMA 350; SCMA 350H

ACE: ACE 6 Social Science

AECN 175 Introduction to Excel

Description: Introduction to spreadsheet use, specifically Microsoft Excel. Become proficient at the basic uses of Excel, including data entry, record-keeping, and formula use. Also includes more advanced topics including programming logic, data analysis, and presentation of results.

Credit Hours: 1

Max credits per semester: 1

Max credits per degree: 1

Grading Option: Graded

Prerequisite for: AECN 340

Groups: Introductory

AECN 201 Farm and Ranch Management

Prerequisites: AECN 141 or ECON 212.

Description: Various economic principles and business management concepts which are involved in the decision-making process when organizing and operating a farming/ranching operation. Includes production economics, record keeping systems, financial budgets and analysis, crop and livestock enterprise analysis, leasing arrangements, depreciation, farm business organizations, farm investment analysis, pasture/rangeland management, and production efficiency indicators.

Credit Hours: 4

Max credits per semester: 4

Max credits per degree: 4

Grading Option: Graded with Option

AECN 220 International Agricultural Trade

Prerequisites: AECN 141 or ECON 212

Description: Introduction to the foundational concepts and applications of international trade with a strong focus on agriculture and food markets. Establish basic literacy in international trade with applications to agricultural commodity and affiliated markets and policy issues such as tariff-rate quotas and phytosanitary regulations unique to agriculture.

Credit Hours: 3

Max credits per semester: 3

Max credits per degree: 3

Grading Option: Graded

Offered: SPRING

ACE: ACE 9 Global/Diversity

AECN 225 Agribusiness Entrepreneurship in Food Products Marketing

Crosslisted with: EAEP 225, MRKT 225

Prerequisites: AECN 141 or ECON 212

Notes: Pass/No Pass option not allowed for College of Business majors.

Description: Marketing strategies and entrepreneurship ventures throughout a food systems channel from producers of agricultural commodities to processors of food products and the final consumer. Entrepreneurship studies dealing with food processors, wholesaling, retailing and food service firms. Create strategic marketing plan to introduce a new food product into a retail consumer market.

Credit Hours: 3

Max credits per semester: 3

Max credits per degree: 3

Grading Option: Graded with Option

Offered: SPRING

Prerequisite for: AECN 316

AECN 235 Introduction to Commodity Marketing

Crosslisted with: MRKT 235

Prerequisites: AECN 141 or ECON 212

Notes: Pass/No Pass option not allowed for College of Business majors.

Description: This course focuses on the foundations of commodity markets. It discusses how markets were created, how commodities are traded from producers to final consumers, the role of transportation and storage, among other topics. It provides a broad and detailed discussion of economic theories behind markets, how they work in practice, and the current state of these markets in the world.

Credit Hours: 3

Max credits per semester: 3

Max credits per degree: 3

Grading Option: Graded with Option

Offered: SPRING

Prerequisite for: AECN 316; AECN 325, MRKT 325; AECN 336

AECN 256 Legal Aspects in Agriculture

Prerequisites: Sophomore standing.

Description: Legal aspects of agriculture: taxation, contracts, property rights, buying and selling real estate, condemnation, land use regulations, leases, co-ownership, partnerships, corporations, commercial transactions, credit, liability, insurance, estate planning, water law, and agricultural regulations. A practical exposure to the legal institutions of Nebraska.

Credit Hours: 3

Max credits per semester: 3

Max credits per degree: 3

Grading Option: Graded with Option

AECN 265 Resource and Environmental Economics I

Crosslisted with: NREE 265

Prerequisites: ECON 212 or AECN 141.

Description: Introduction to environmental and natural resource economics and the role of such concepts in natural resource management. Application of economic principles to actual natural resource/environmental issues with focus on tradeoffs, cost and benefits, and decision making.

Credit Hours: 3

Max credits per semester: 3

Max credits per degree: 3

Grading Option: Graded with Option

Offered: SPRING

AECN 275 Agribusiness Entrepreneurial Finance

Crosslisted with: EAEP 275, ENTR 275, PLAS 275

Description: Overview of financial issues for agribusiness start-ups. Business funding specific to new enterprises. Case studies on financial practices for start-up firms.

Credit Hours: 3

Max credits per semester: 3

Max credits per degree: 3

Grading Option: Graded with Option

AECN 276 Rural Sociology

Crosslisted with: SOCI 241

Prerequisites: Open to second semester freshmen and above.

Description: The rural environment and its people; its groups and associations; and its social institutions.

Credit Hours: 3

Max credits per semester: 3

Max credits per degree: 3

Grading Option: Graded with Option

AECN 301 Farm Accounting, Analysis, and Tax Management

Prerequisites: AECN 141 or ECON 212.

Notes: AECN 201 recommended.

Description: Business record systems for farming and ranching. Financial statements; income tax and decision making; farm business and enterprise analysis.

Credit Hours: 3

Max credits per semester: 3

Max credits per degree: 3

Grading Option: Graded with Option

AECN 316 Agribusiness Management

Prerequisites: AECN 141 (or ECON 210 or ECON 212), AECN 225 or 325, and three credit hours in Accounting.

Description: For students interested in careers leading to managerial positions in the grain, feed, fertilizer, farm petroleum and related agricultural industries. The focus is on the use of financial statements, operating and managerial functions, communication, and the interpersonal work environment within an organization. Presentation is by lecture integrated with experiential learning through use of an agribusiness management simulation.

Credit Hours: 3

Max credits per semester: 3

Max credits per degree: 3

Grading Option: Graded with Option

Prerequisite for: AECN 416

AECN 320 International Trade Policy and Politics

Crosslisted with: INTF 320, ECON 320

Prerequisites: Minimum sophomore standing.

Description: Foundational elements necessary for understanding and analyzing modern-day trade policy-making, including the origins and evolution of the modern international trading system, U.S. domestic trade policy processes, the interaction between business goals and government policy, and the interplay between trade policy and overall U.S. foreign policy objectives. Analytical frameworks and the opportunity to develop practical skills applicable to any future professional or policy-making setting.

Credit Hours: 3

Max credits per semester: 3

Max credits per degree: 3

Grading Option: Graded

Offered: FALL

AECN 325 Marketing of Agricultural Commodities

Crosslisted with: MRKT 325

Prerequisites: AECN 235

Notes: Pass/No Pass option not allowed for College of Business majors.

Description: Operation and use of agricultural commodity markets and institutions as applied to enterprise and firm risk management. Cash; futures and futures option markets; basis; hedging; price discovery; fundamental analysis; and risk management strategies.

Credit Hours: 3

Max credits per semester: 3

Max credits per degree: 3

Grading Option: Graded with Option

Prerequisite for: AECN 316

Course and Laboratory Fee: \$40

AECN 336 Grain Merchandising

Prerequisites: AECN 235

Description: Study of grain merchandising concepts, tools, and strategies as they relate to grain buyers. Focus on integration of topics from this course and AECN 235 to help students understand how grain is traded from the perspective of the grain buyer.

Credit Hours: 3

Max credits per semester: 3

Max credits per degree: 3

Grading Option: Graded with Option

Course and Laboratory Fee: \$40

AECN 340 Quantitative Methods in Agribusiness

Prerequisites: AECN 141, AECN 175, STAT 218 or equivalent, and MATH 104

Description: Builds upon basic agricultural and applied economic knowledge to advance understanding of economic theory and learn how to apply knowledge to address current issues within agricultural markets. Develop critical thinking and analytical skills around applied economic issues and managerial decisions within the agricultural and natural resource industries. Organize, analyze and present quantitative data to support economic decision making in agribusinesses and the food and fiber industry.

Credit Hours: 3

Max credits per semester: 3

Max credits per degree: 3

Grading Option: Graded with Option

Offered: FALL/SPR

AECN 345 Policy Issues in Agriculture and Natural Resources

Prerequisites: AECN 141 or ECON 212

Description: History, development, programs, and analysis of public policy issues in agriculture and natural resources. Analysis of science, economic, and political factors involved in policy development. Farm policy and farm structure, food and nutrition, trade and development, natural resources, the environment, and bioenergy, with special attention to issues and policies impacting Nebraska.

Credit Hours: 3

Max credits per semester: 3

Max credits per degree: 3

Grading Option: Graded with Option

AECN 346 World Food Economics

Prerequisites: AECN 141 or ECON 212 and ECON 211

Description: Description and economic evaluation of world food systems, including production, distribution, and consumption in developing and industrialized countries. Economic implications of alternative means for meeting world food needs, with emphasis on the social science aspects of the world food availability and needs, policies, and the economics of technological change. Familiarity with spreadsheets (Excel) required.

Credit Hours: 3

Max credits per semester: 3

Max credits per degree: 3

Grading Option: Graded with Option

ACE: ACE 9 Global/Diversity

AECN 357 Natural Resource and Environmental Law

Crosslisted with: NREE 357

Prerequisites: Junior standing

Notes: SCIL 101 or GEOG 181 recommended.

Description: Environmental impact review; air and water pollution control; solid and hazardous waste control; endangered species and habitat preservation; land use regulation; state and federal water rights law.

Credit Hours: 3

Max credits per semester: 3

Max credits per degree: 3

Grading Option: Graded with Option

Prerequisite for: AECN 457, AECN 857, NREE 457

AECN 367 Agricultural Development in Developing Countries

Prerequisites: AECN 141 or ECON 212 and ECON 211

Description: Exploration of the nature of traditional agriculture in developing countries of Africa, Asia, and Latin America and alternative approaches to accelerating its development. Explores the role of the agricultural sector in the overall development process. Familiarity with using spreadsheets (Excel) required.

Credit Hours: 3

Max credits per semester: 3

Max credits per degree: 3

Grading Option: Graded with Option

ACE: ACE 9 Global/Diversity

AECN 376 Rural Community Economics

Prerequisites: AECN 141 or ECON 210 or 212

Description: Application of economic and social principles and concepts relevant to understanding rural communities and the issues and problems they face. Public decision-making process and the skills necessary for constructive participation in community affairs.

Credit Hours: 3

Max credits per semester: 3

Max credits per degree: 3

Grading Option: Graded with Option

AECN 388 Ethics in Agriculture and Natural Resources

Crosslisted with: ALEC 388

Description: Ethics focusing on agricultural and natural resource issues. Using case studies from the professional workplace and contemporary society, develops intellectual skills necessary to reflect critically on ethical issues and apply appropriate conceptual tools for resolution of issues arising from conflicting ethical and value systems.

Credit Hours: 3

Max credits per semester: 3

Max credits per degree: 3

Grading Option: Graded with Option

ACE: ACE 8 Civic/Ethics/Stewardship

AECN 391 Special Topics in Agricultural Economics**Prerequisites:** Permission**Description:** Readings, discussion, and analysis of current theory, issues, problems, research, and practice in agricultural economics, natural resource economics, and agribusiness. Topics vary.**Credit Hours:** 1-3**Min credits per semester:** 1**Max credits per semester:** 3**Max credits per degree:** 3**Grading Option:** Graded with Option**AECN 396 Independent Study in Agricultural Economics****Prerequisites:** Permission and advance approval of independent study contract at the start of each semester.**Notes:** P/N only.**Description:** Individual or group projects in research, literature review, or extension of course work under supervision and evaluation of a departmental faculty member.**Credit Hours:** 1-5**Min credits per semester:** 1**Max credits per semester:** 5**Max credits per degree:** 5**Grading Option:** Graded with Option**AECN 401 Advanced Farm Management and Linear Programming****Crosslisted with:** AECN 801**Prerequisites:** AECN 201.**Description:** The role of budgeting and linear programming in analyzing farm organization problems, theory of linear programming, linear program design, and analysis of linear programmed solutions to farm organization problems. Includes goal programming, multiple objective programming, risk programming, and financial modeling.**Credit Hours:** 3**Max credits per semester:** 3**Max credits per degree:** 3**Grading Option:** Graded with Option**AECN 416 Advanced Agribusiness Management****Prerequisites:** AECN 316; ACCT 201 and 202; FINA 361 or AECN 452; MNGT 360 or 361; ACCT 201 and 202.**Description:** Conduct industry and business research in strategic management of an agribusiness. Internal and external factors and competitive forces, affecting the firm. Integration of concepts from various economic and business disciplines.**Credit Hours:** 3**Max credits per semester:** 3**Max credits per degree:** 3**Grading Option:** Graded with Option**AECN 420 International Food and Agricultural Trade****Prerequisites:** AECN 141 or ECON 212, and ECON 211**Notes:** Capstone course.**Description:** Application of basic principles of international trade and finance to food and agricultural trade. Particular attention to current policy issues in agricultural trade such as the pros and cons of regional trade blocks, alternative agricultural and trade policies, the effects of exchange rate variation on agricultural trade, and trade and environmental protection. Familiarity with spreadsheets (Excel) is required.**Credit Hours:** 3**Max credits per semester:** 3**Max credits per degree:** 3**Grading Option:** Graded with Option**ACE:** ACE 10 Integrated Product ACE 9 Global/Diversity**AECN 425 Agricultural Marketing in a Multinational Environment****Prerequisites:** 9 hrs agricultural economics and/or economics or permission.**Description:** Systems approach to evaluating the effects of current domestic and international political and economic events on agricultural markets.**Credit Hours:** 3**Max credits per semester:** 3**Max credits per degree:** 3**Grading Option:** Graded with Option**ACE:** ACE 10 Integrated Product ACE 9 Global/Diversity**AECN 435 Advanced Agricultural Marketing Management****Description:** Marketing: farm, ranch, and agribusiness firm management. Risk management strategies using combinations of derivatives and insurance products. Advanced trading and merchandising strategies using fundamental and technical analysis.**Credit Hours:** 3**Max credits per semester:** 3**Max credits per degree:** 3**Grading Option:** Graded with Option**ACE:** ACE 10 Integrated Product**Course and Laboratory Fee:** \$40**AECN 436 Commodity Price Forecasting****Prerequisites:** ECON 215 or STAT 218; ECON 212 or AECN 141**Notes:** Recommended course (but not required): AECN 325**Description:** Participants in commodity markets are constantly trying to forecast prices, since a sound analysis of expected prices in the future is important in many dimensions for producers, merchandisers and all market participants. The overall objective of this course is to teach students how to analyze and forecast commodity prices using fundamental and technical approaches. The most common techniques from each approach will be discussed, focusing on how they can be implemented, their advantages and disadvantages, how they differ and how they can complement each other.**Credit Hours:** 3**Max credits per semester:** 3**Max credits per degree:** 3**Grading Option:** Graded with Option**Course and Laboratory Fee:** \$40**AECN 445 Agricultural and Natural Resource Policy Analysis****Crosslisted with:** NREE 445**Prerequisites:** ECON 311B and ECON 312B**Notes:** Capstone course. Familiarity with spreadsheets (Excel) required.**Description:** Introduction to the application of economic concepts and tools to the analysis and evaluation of public policies. Economic approaches to policy evaluation derived from welfare economics. Social benefit-cost analysis described and illustrated through applications to current agricultural and natural resource policy issues.**Credit Hours:** 3**Max credits per semester:** 3**Max credits per degree:** 3**Grading Option:** Graded with Option**ACE:** ACE 8 Civic/Ethics/Stewardship ACE 10 Integrated Product

AECN 452 Agricultural Finance

Crosslisted with: AECN 852

Prerequisites: AECN 201 or 4 hrs accounting.

Description: Principles and concepts of financial management of farm and agribusiness firms developed. Various strategies for acquiring and using capital resources by the individual firm explored. Institutions providing the sources of agricultural credit are individually studied.

Credit Hours: 3

Max credits per semester: 3

Max credits per degree: 3

Grading Option: Graded with Option

Prerequisite for: AECN 416

AECN 453 Agricultural and Rural Property Appraisal

Prerequisites: AECN 141, or ECON 210 or 212. AECN 201 and PLAS 153 recommended.

Description: Valuation of agricultural and rural real estate traced from the underlying theory of value through full development of principles, practices, and factors used by the appraisal profession to estimate value. The income approach, the market data approach, and the cost approach to value developed in detail. Appraisal procedure analyzed for such special purposes as farm loans, tax assessment, and condemnation.

Credit Hours: 3

Max credits per semester: 3

Max credits per degree: 3

Grading Option: Graded with Option

ACE: ACE 10 Integrated Product

AECN 456 Environmental Law

Crosslisted with: AECN 856, NREE 456

Prerequisites: Senior standing.

Notes: Available through Online and Distance Education.

Description: Principles of law involved in environmental issues, externalities and market failures, public health, environmental litigation, and legislation. Environmental issues are related to statutory, administrative, and regulatory authorities.

Credit Hours: 3

Max credits per semester: 3

Max credits per degree: 3

Grading Option: Graded with Option

AECN 457 Water Law

Crosslisted with: AECN 857, NREE 457

Prerequisites: AECN/NREE 357.

Description: Environmental impact review; public trust doctrine; endangered species; land use controls; wetlands regulation; surface and ground water rights; Indian and federal water rights; impact of water quality regulations on water allocation.

Credit Hours: 3

Max credits per semester: 3

Max credits per degree: 3

Grading Option: Graded with Option

AECN 465 Resource and Environmental Economics II

Crosslisted with: AECN 865, NREE 465

Prerequisites: MATH 104 and one course in statistics.

Description: Application of resource economics concepts and empirical tools to resource management problems. Public policy issues involving environmental quality, land and water management.

Credit Hours: 3

Max credits per semester: 3

Max credits per degree: 3

Grading Option: Graded with Option

Prerequisite for: AECN 868

AECN 467 Pro-seminar in International Relations

Crosslisted with: ECON 466, POLS 466, POLS 866, ECON 866, HIST 479, HIST 879

Prerequisites: Senior standing and permission.

Notes: Open to students with an interest in international relations.

Description: Topic varies.

Credit Hours: 3

Max credits per semester: 3

Max credits per degree: 3

Grading Option: Graded with Option

AECN 471 Agricultural Marketing and Product Development I

Prerequisites: Junior standing or permission.

Notes: AECN 225 recommended.

Description: Selection of an agriculturally related product or service and the development of a comprehensive marketing plan. Market analysis of physical, economic and financial feasibility and formalization of an effective promotional product campaign.

Credit Hours: 1

Max credits per semester: 1

Max credits per degree: 1

Grading Option: Graded with Option

Prerequisite for: AECN 472

AECN 472 Agricultural Marketing and Product Development II

Prerequisites: Junior standing or permission; AECN 471.

Description: Further refinement in the development of marketing plan from AECN 471. Condensation of marketing plan into executive summary and preparation of professional oral presentation. Extensive interaction with the local agribusiness community and participation in national agri-marketing competition.

Credit Hours: 2

Max credits per semester: 2

Max credits per degree: 2

Grading Option: Graded

AECN 474 Cooperatives

Prerequisites: ECON 212 or AECN 141

Description: Role of cooperatives in market-oriented economies presented. Topics include cooperative business principles, the economic theory of cooperative pricing decisions, the fundamentals of co-op accounting principles, financing, decision making, and taxation. Focus will be primarily upon traditional agricultural cooperatives; other types of cooperatives will be examined in some detail.

Credit Hours: 3

Max credits per semester: 3

Max credits per degree: 3

Grading Option: Graded with Option

Offered: FALL

AECN 482 Beef Industry Scholars - National Beef Industry Policy

Crosslisted with: ASCI 482

Prerequisites: ASCI 481; ASCI 395A or ASCI 395B or GRAS 490 or AECN 495C

Notes: Requires attending the National Cattlemen's Beef Association (NCBA) annual convention and then, communicating the new policy and issues to local organizations and undergraduate student groups. Letter grade only.

Description: Discuss and dissect issues from the NCBA convention researching the pros and cons of current and proposed policy.

Credit Hours: 1

Max credits per semester: 1

Max credits per degree: 1

Grading Option: Graded

Offered: SPRING

Experiential Learning: Fieldwork

AECN 495A Internship in Agricultural Financing and Banking

Prerequisites: Junior standing; ABUS major with Agricultural Finance and Banking option.

Description: Internship experience in agricultural finance, banking, lending, or management through employment in a financial institution.

Credit Hours: 3

Max credits per semester: 3

Max credits per degree: 3

Grading Option: Graded with Option

Experiential Learning: Internship/Co-op

AECN 495B Internship in Food Products Marketing Management

Prerequisites: Junior standing; ABUS major with Food Products Marketing Management option.

Description: Internship experience in food products marketing, supply chain and firm management, and related areas through employment in agribusiness and food products production or marketing firms.

Credit Hours: 3

Max credits per semester: 3

Max credits per degree: 3

Grading Option: Graded with Option

Experiential Learning: Internship/Co-op

AECN 495C Internship in Agricultural and Public Policy

Prerequisites: Departmental permission

Description: Internship with Congressional delegations or committees; government agencies; non-governmental organizations; or related groups and areas that provides a focus on agricultural or public policy issues and development.

Credit Hours: 1-3

Min credits per semester: 1

Max credits per semester: 3

Max credits per degree: 3

Grading Option: Graded with Option

Prerequisite for: ASCI 482, AECN 482

Experiential Learning: Internship/Co-op

AECN 495D Internship in Commodity Marketing

Prerequisites: Departmental permission

Notes: AECN 235 is recommended

Description: The overall objective of this internship is to allow students to gather more exposure to commodity markets and hands-on experience in the field.

Credit Hours: 1-3

Min credits per semester: 1

Max credits per semester: 3

Max credits per degree: 3

Grading Option: Graded with Option

Experiential Learning: Internship/Co-op

AECN 495E Internship in Agricultural Industry and Agribusiness

Prerequisites: Departmental Permission

Description: Internship designed to give students hands-on experience in the agricultural industry and agribusiness. Development of practical experience and skills in identifying, understanding, analyzing, and addressing issues and opportunities in the agricultural industry and agribusiness

Credit Hours: 1-3

Min credits per semester: 1

Max credits per semester: 3

Max credits per degree: 6

Grading Option: Graded with Option

Groups: Ind Study, Special Top, Intern

Experiential Learning: Internship/Co-op

AECN 499H Honors Thesis

Prerequisites: Admission to the University Honors Program and permission, AGRI 299H recommended.

Description: Conduct a scholarly research project and write a University Honors Program or undergraduate thesis.

Credit Hours: 3-6

Min credits per semester: 3

Max credits per semester: 6

Max credits per degree: 6

Grading Option: Graded