Course Descriptions

AGRIBUSINESS (AB)

AB 2225
Agricultural Economics
The purpose of the course is to provide a basic understanding of microeconomic principles relating to the production, processing, distribution and utilization of agricultural commodities. The course includes basic concepts relating to the management of agribusiness enterprises and agricultural resources allocation. 3 hours Lecture and Discussion—3 credits

AB 3115
National Agri-Marketing
A team training experience structured to develop creativity, communication and presentation abilities as well as interpersonal skills. Students working throughout the year preparing a marketing plan, conducting market research and developing financial projections, then present their work during the National Agri-Marketing Association Conference in April. A GPA of 2.2 must be maintained. May be repeated for a maximum of 3 credits. 1 to 4 hours Participation—1 credit per year

AB 3126
Agricultural Marketing
The course is designed to provide students with a comprehensive view of the marketing of agricultural commodities, foods, fibers, and agricultural supplies. The course emphasizes concepts relating to preparation for careers in agri-marketing. Basic principles of advertising and retailing are included. Prerequisite: AB 2225. 3 hours Lecture and Discussion—3 credits

AB 4113
Farm Management
A study of the efficient management and operation of the farm for profit. Farm planning, record keeping, budgeting, finances, partnership agreements, pricing, marketing and other physical, economic and social factors affecting the farm business are considered. Prerequisites: AB 2225 and BA 2123, 2224 for Majors or BA 2225 for Non-Majors or Permission of Instructor. 3 hours Lecture and Discussion—3 credits

AB 4242
Food and Agricultural Policy
Develops basic understanding of the role of government in the development of domestic farm policy, policies affecting food and consumers, also international trade in food and agricultural products. Emphasis is placed on contemporary issues which include the structure of agriculture, nutrition policies, food safety, resource preservation and utilization, and price support programs. Prerequisites: AB 2225, AB 3126 and Junior or Senior status. 3 hours Lecture and Discussion—3 credits

AB 4243
Agribusiness Management
Agribusiness Management skills are developed through course work and association with professionals in marketing, distribution, sales, production and international business. Emphasis is placed on developing decision-making abilities, communication skills, and intrapersonal competence. Prerequisite: AB 2225, AB 3126 and Junior or Senior Status. 3 hours Lecture and Discussion—3 credits
**Employment Program**

AB 2370  
*Employment Program*
Each student in Agribusiness is required to spend 500 hours in approved jobs related to the student’s major. Registration for each Employment Program must occur prior to the beginning of a relevant experience.

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**Agronomy and Environmental Science**

AE 1120  
*Urban/Rural Systems & the Environment*
Environmental issues facing the rural and urban environment are discussed. Addressing environmental issues requires interaction between technical, economic, and social forces. This course will ask the student to consider these forces on a local and global basis as well as the knowledge base. 3 hours Lecture—3 credits

**Course Descriptions**

*AE 2004*

*Soils*
An introductory course in soils. This course deals with the concepts and terminology to understand soil development, soil formation and composition, the physical, chemical and biological properties and processes in soils. Soil classification, soil conservation, and nutrient systems are also introduced. Chemical and physical properties as they relate to environmental concerns are reviewed. Laboratory demonstrations and exercises parallel selected portions of the lecture material. Prerequisite: General Chemistry or Permission of Instructor. 2 hours Lecture and 3 hours Laboratory—3 credits.

*AE 2007*

*Feed Grains and Forages*
This course covers the establishment, production, harvesting, uses and management of the main feed grains and forage crops with special emphasis on the crops grown in the northeastern region of the United States. Prerequisites: General Chemistry II or Biological Science II. Required for Large Animal Science and Dairy Science Majors. 2 hours Lecture and 3 hours Laboratory—3 credits.

*AE 2013*

*Agricultural Machinery*
This course covers the use, care, operation and adjustment of the most common equipment and machinery used in agriculture. Special emphasis is placed on the actual operation of equipment. This course may be applied toward secondary teaching certification in vocational agriculture. Offered in alternate years. 2 hours Lecture & 3 hours Lab—3 credits

*AE 2017*

*Topographical Surveying*
This course includes land surveying principles, use of survey instruments, field methods, data collection, and an introduction to Geographical Information Systems. 2 hours Lecture and 3 hours Laboratory—3 credits