

- 960 Media and Technology**
 Spring. 3(3-0) Interdepartmental with Telecommunication; Journalism. Administered by Department of Telecommunication, Information Studies and Media. R: Open only to Ph.D. students in Communication Arts and Sciences-Mass Media or Communication or approval of department.
 Theoretical frameworks concerning media and communication processes, and their interactions with technology. Social, organizational, critical, and economic perspectives.
- 965 Media Economics**
 Spring. 3(3-0) Interdepartmental with Telecommunication; Journalism. Administered by Department of Telecommunication, Information Studies and Media. R: Open only to Ph.D. students in Communication Arts and Sciences-Mass Media or Communication or approval of department.
 Economic theory and analysis relevant to the mass media. Economic structure and performance of mass media and advertising industries. Competition among media and within related industries.
- 975 Quantitative Research Design**
 Fall. 3(3-0) Interdepartmental with Journalism; Telecommunication. RB: One graduate-level research design or statistics course. R: Open only to Ph.D. students in Mass Media.
 Survey, experimental and content-analytic techniques applied to the study of media. Academic and applied research methods. Univariate and multivariate techniques.

AEROSPACE STUDIES AS

Department of Aerospace Studies Office of the Provost

- 111 Foundation of the United States Air Force I**
 Fall. 1(1-2)
 Introduction to the U.S. Air Force today. Mission and organization; group leadership problems; introduction to communication skills. Leadership laboratory.
- 112 Foundation of the United States Air Force II**
 Spring. 1(1-2)
 Introduction to the U.S. Air Force today. Officership and professionalism; group leadership problems; introduction to communication skills. Leadership laboratory.
- 211 The Evolution of USAF Air and Space Power I**
 Fall. 1(1-2)
 Air Force heritage. Evolution of air power concepts and doctrine; introduction to ethics and values; introduction to leadership; continuing application of communication skills. Leadership laboratory.
- 212 The Evolution of USAF Air and Space Power II**
 Spring. 1(1-2)
 Air Force leaders. Role of technology in the growth of air power; introduction to Quality Air Force; group leadership problems; continuing application of communication skills. Leadership laboratory.

- 321 Air Force Leadership Studies I**
 Fall. 3 to 4 credits.
 Communication, management, and ethical skills for Air Force officers. Emphasizes standards and professionalism in the modern officer corps. Leadership laboratory required for AFROTC cadets.
- 322 Air Force Leadership Studies II**
 Spring. 3 to 4 credits. RB: (AS 321)
 Leadership theory, traditional Air Force management functions, and current practices. Emphasizes the application of leadership concepts by junior officers. Leadership laboratory required for AFROTC cadets.
- 421 National Security Affairs**
 Fall. 3 to 4 credits. RB: (AS 322)
 Formation and implementation of defense policy and strategy. Bureaucratic interplay and impact of nuclear technology. Investigation of current defense issues. Leadership laboratory required for AFROTC cadets.
- 422 National Security Affairs and Preparation For Active Duty**
 Spring. 3 to 4 credits. RB: (AS 421)
 Role of the professional officer in a democratic society. Global security issues. Military justice and the laws of war. Leadership laboratory required for AFROTC cadets.
- 490 Independent Study**
 Fall, Spring, Summer. 1 to 3 credits. A student may earn a maximum of 3 credits in all enrollments for this course. R: Open only to juniors and seniors. Approval of department.
 Investigation of a particular aspect of aerospace studies.

AFRICAN LANGUAGES AFR

Department of Linguistics and Germanic, Slavic, Asian and African Languages College of Arts and Letters

- 101A Elementary Swahili I**
 Fall. 4(4-1)
 Speaking, reading, and writing Swahili, with emphasis on developing oral proficiency.
- 101B Elementary African Language I**
 Fall. 4(4-1)
 African language at the elementary level. Speaking, reading, and writing, with emphasis on developing oral proficiency skills. Specific language varies.
- 102A Elementary Swahili II**
 Spring. 4(4-1) RB: (AFR 101A) or approval of department.
 Further work on speaking, reading, and writing Swahili, with continued emphasis on developing oral proficiency skills.
- 102B Elementary African Language II**
 Spring. 4(4-1) R: Approval of department.
 Further work on speaking, reading, and writing an African language, with continued emphasis on developing oral proficiency skills.
- 151 Beginning Individualized African Language I**
 Fall. 4(4-1) R: Approval of department.
 Individualized study of an African language at the elementary level. Speaking, reading, and writing, with emphasis on developing oral proficiency skills.
- 152 Beginning Individualized African Language II**
 Spring. 4(4-1) R: Approval of department.
 Further individualized work on speaking, reading, and writing an African language, with continued emphasis on developing oral proficiency skills.
- 201A Second Year Swahili I**
 Fall. 4(4-1) P: (AFR 102A)
 Intermediate-level work on speaking, reading, and writing Swahili, with emphasis on developing oral proficiency skills.
- 201B Second Year African Language I**
 Fall. 4(4-1) R: Approval of department.
 Intermediate-level work on speaking, reading, and writing an African language, with continued emphasis on developing oral proficiency skills.
- 202A Second-Year Swahili II**
 Spring. 4(4-1) P: (AFR 201A)
 Further intermediate-level work on speaking, reading, and writing Swahili, with continued emphasis on developing oral proficiency skills.
- 202B Second-Year African Language II**
 Spring. 4(4-1) R: Approval of department.
 Further intermediate-level work on speaking, reading, and writing an African language, with continued emphasis on developing oral proficiency skills.
- 251 Intermediate Individualized African Language I**
 Fall. 4(4-1) R: Approval of department.
 Intermediate-level individualized work on speaking, reading, and writing an African language, with emphasis on developing oral proficiency skills.
- 252 Intermediate Individualized African Language II**
 Spring. 4(4-1) R: Approval of department.
 Further intermediate-level individualized work on speaking, reading, and writing an African language, with continued emphasis on developing oral proficiency skills.
- 290 Independent Study**
 Fall, Spring. 1 to 4 credits. A student may earn a maximum of 8 credits in all enrollments for this course. R: Approval of department.
 Special projects arranged by an individual student and a faculty member in areas supplementing regular course offerings.
- 450A Advanced Swahili**
 Fall, Spring. 1 to 5 credits. A student may earn a maximum of 20 credits in all enrollments for this course. RB: (AFR 202A)
 Advanced study of Swahili. Speaking, reading, and writing, with emphasis on developing oral proficiency skills.
- 450B Advanced African Language**
 Fall, Spring. 1 to 5 credits. A student may earn a maximum of 24 credits in all enrollments for this course. R: Approval of department.
 Advanced study of an African language. Speaking, reading, and writing, with emphasis on developing oral proficiency skills. Language varies.

African Languages—AFR

- 490 Independent Study**
Fall, Spring. 1 to 4 credits. A student may earn a maximum of 8 credits in all enrollments for this course. R: Not open to freshmen or sophomores. Approval of department.

Special projects arranged by an individual student and a faculty member in areas supplementing regular course offerings

AGRIBUSINESS ABM MANAGEMENT

Department of Agricultural Economics College of Agriculture and Natural Resources

- 100 Decision-making in the Agri-Food System**
Fall, Spring. 3(3-0) Interdepartmental with Food Industry Management. SA: FSM 200
Organization and operation of the agri-food system. Economic analysis of agri-food firms and consumers. Management functions and decision-making of agri-food firms.
- 130 Farm Management I**
Fall. 3(3-0) SA: AEC 050
General farm management including record keeping, income tax management, farm finance, and operational management of agricultural resources.
- 210 Professional Seminar in Agribusiness Management**
Spring. 1(1-0) P: (ABM 100 or concurrently or ABM 130 or concurrently) R: Open only to Agribusiness Management majors.
Industry trends in agribusiness management. Verbal, written, and visual communication techniques applied to professional situations, including professional development and career planning.
- 222 Agribusiness and Food Industry Sales (W)**
Fall, Spring. 3(3-0) Interdepartmental with Food Industry Management. P: (ABM 100 or ABM 130 or EC 201 or EC 202) and completion of Tier I writing requirement. R: Open only to sophomores or juniors or seniors. SA: FSM 320
Selling processes and activities within agribusiness and food firms. Principles and techniques of sales. Operation of sales organizations.
- 225 Commodity Marketing I**
Fall. 3(3-0) P: (ABM 100 or concurrently or EC 201 or concurrently)
Commodity markets in the agri-food system. Analysis of supply, demand, and pricing alternatives. Agri-food marketing processes, including marketing cooperatives.
- 332 Agribusiness Operations Management**
Fall. 3(3-0) P: (ABM 100)
The operational and tactical decisions of producers, wholesalers, retailers and service-related firms in agribusiness. Information systems usage. Analytical decision-making tools and techniques.

- 337 Labor and Personnel Management in the Agri-Food System**
Fall. 3(3-0) Interdepartmental with Food Industry Management. P: (ABM 100 or ABM 130) R: Open only to juniors or seniors. SA: FSM 325

Human resource management principles for farms, agribusinesses and food firms: planning, recruiting, training, scheduling, motivating, supervising and evaluating. Labor regulations, compensation and records.

- 400 Public Policy Issues in the Agri-Food System**
Spring. 3(3-0) Interdepartmental with Food Industry Management. P: (ABM 100) R: Open only to juniors or seniors. SA: FSM 421

Objectives, alternatives and consequences of public policy in the agri-food system. Analysis of economic implications for food and agribusiness firms, farmers, consumers and society.

- 405 Corporate Environmental Management**
Fall. 3(3-0) Interdepartmental with Environmental Economics and Policy. Administered by Department of Agricultural Economics. P: (EEP 255 or ABM 332 or MGT 315 or MGT 325) SA: PRM 405

Integration of environmental protection and pollution prevention with business management. Economic and strategic analysis of environmental protection.

- 410 Advanced Professional Seminar in Agribusiness Management**
Fall. 1(1-0) P: (ABM 210) R: Open only to Agribusiness Management juniors or seniors.

Advanced professional problems and reestablishment of career planning in the Agri-Food system. Industry trends, career alternatives, and job search strategies. Enhanced verbal, written and visual communication techniques.

- 422 Vertical Coordination in the Agri-Food System**
Fall. 3(3-0) Interdepartmental with Food Industry Management. P: (ABM 100 and EC 201) R: Open only to juniors or seniors. SA: FSM 443

Analysis of vertical coordination in the industrialized agri-food system. Agricultural cooperatives, contracts, marketing orders, and trade associations. Analysis of imperfect competition and methods of conducting business. Interaction with legal systems and government.

- 425 Commodity Marketing II**
Fall. 3(3-0) P: (ABM 225) and (STT 200 or STT 201 or STT 315) SA: FSM 441

Advanced application of supply, space demand and prices in commodity markets. Futures and options and their role in forward pricing. Risk management. Agricultural and food markets.

- 427 Global Agri-Food Industries and Markets**
Fall. 3(3-0) Interdepartmental with Food Industry Management. P: (FIM 220 or ABM 225)

Strategic understanding of the international agri-food system. Analysis of global production, marketing, and consumption. Knowledge of changing conditions in international industries and markets. Global trends and opportunities.

- 430 Farm Management II**
Fall. 3(4-0) P: (ABM 130) R: Open only to juniors or seniors. SA: FSM 330

Advanced management, planning, and control of farm production, marketing, financial activities, economic principles, budgeting and financial statements.

- 435 Financial Management in the Agri-Food System**
Spring. 3(3-0) RB: (ACC 201 or ACC 230) and (ABM 130 or ABM 100 or EC 201 or EC 202) R: Open only to juniors or seniors. SA: FSM 412

Analysis of agricultural business performance using financial statements. Capital budgeting of durable investments. Risk. Alternative methods to control capital asset services. Financial markets and credit institutions affecting agriculture and food.

- 437 Agribusiness Strategic Management (W)**
Spring. 3(4-0) P: (ABM 332 or ABM 430) and completion of Tier I writing requirement. R: Open only to juniors or seniors. SA: FSM 429

Analysis of strategic management issues for agribusiness. Formulation of business strategy and solutions to strategic problems. Integration of operations, marketing, finance and human resource management.

- 490 Independent Study in Agribusiness Management**
Fall, Spring, Summer. 1 to 6 credits. A student may earn a maximum of 6 credits in all enrollments for this course. P: (ABM 100) R: Open only to sophomores or juniors or seniors in the Agribusiness Management major. Approval of department; application required. Students are limited to a combined total of 6 credits in ABM 490 and FIM 490. SA: FSM 490

Independent supervised study of topics in agribusiness management.

- 493 Professional Internship in Agribusiness Management**

Fall, Spring, Summer. 1 to 3 credits. A student may earn a maximum of 6 credits in all enrollments for this course. P: (ABM 100) R: Open only to juniors or seniors in the Agribusiness Management major. Approval of department; application required. A student may earn a maximum of 6 credits in all of these courses: ABM 493, ANR 493, AEE 493, ANS 493, CSS, 493, EEP 493, FIM 493, FW 493, HRT 493, PKG 493, PLP 493, PRR 493, and RD 493.

Supervised professional experience in agribusiness management.