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
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.

AFRICA-Language AFR

AFRICAN LANGUAGES

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 5 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.
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

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. 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. Agribusiness marketing processes, including marketing cooperatives.

322 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.

332 Labor and Personnel Management in the Agri-Food System
Fall. 3(3-0) Interdepartmental with Food Industry Management. SA: FSM 421
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. 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. SA: FSM 425
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. SA: FSM 443

425 Commodity Marketing II
Fall. 3(3-0) P: (ABM 225) and (STT 200 or STT 201 or STT 315) SA: FSM 443
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.

431 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.

437 Agribusiness Strategic Management (W)
Spring. 3(4-0) P: (ABM 332 or ABM 430) and completion of Tier I writing requirement. 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. 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 any or all of these courses: 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
Supervised professional experience in agribusiness management.