**African Languages—AFR**

102A  **Elementary Swahili II**
Spring. 4(4-1) R: (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:M: (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:M: (AFR 102A)
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 continued 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.

AGRICULTURAL MANAGEMENT  ABM

**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

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:M: (ABM 100 or concurrently or ABM 130 or concurrently) R: Open only to Agribusiness Management seniors.

322  **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:M: (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:M: (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:M: (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**
Fall, Spring. 3(3-0) Interdepartmental with Food Industry Management. P:M: (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:M: (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:M: (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:M: (ABM 100 and EC 201) R: Open only to juniors or seniors. SA: FSM 443

425  **Commodity Marketing II**
Fall. 3(3-0) P:M: (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.
AEC—Agricultural Economics

830 Wetlands Law and Policy

Spring. Of odd years. 3(3-0)


831 Food Marketing Management

Spring. 3(3-0)

Interdepartmental with Marketing and Supply Chain Management. Administered by Department of Marketing and Supply Chain Management. RB: (MBA 820 or MSC 805) SA: ML 831, MTA 831 Marketing management decisions in food firms. Consumer orientation, computer technologies, food system cost reduction, global opportunities, environmental and social issues.

832 Environmental and Natural Resource Law

Fall. 3(3-0)

Interdepartmental with Resource Development; Crop and Soil Sciences; Forestry; Geography. Administered by Department of Resource Development. RB: (RD 430) Origin and development of environmental law. Theories of power, jurisdiction, sovereignty, property interests, pollution, and other bases for legal controls of natural resources. Common law and constitutional limitations on governmental power.

835 Introductory Econometrics

Spring. 3(3-0) RB: (STT 430)

Estimation and interpretation of multiple regression models and their modifications when usual assumptions are not valid. Applications focus on problems faced by agricultural economists.

838 Land Use Law

Spring. 3(3-0)


839 Applied Operations Research

Fall. 3(3-0) RB: (EC 801) SA: AEC 891B

Linear and nonlinear programming, spatial equilibrium models, and risk programming. Applications in agribusiness management and in agricultural, environmental, and natural resource economics.

841 Analysis of Food System Organization and Performance

Spring. 3(3-0)

Industrial organization, subsector, and transaction cost approaches to analyzing coordination and performance of agricultural markets, contracting, and integration in the food systems of industrialized and developing countries. Applications to issues of organization, control, and public policy.