

African Languages—AFR

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: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 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.

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 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

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:M: (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:M: (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: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

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

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: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.

- 427 Global Agri-Food Industries and Markets**
Fall. 3(3-0) Interdepartmental with Food Industry Management. P:M: (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:M: (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:M: (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:M: (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:M: (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 enrollments for any or 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.

AGRICULTURAL ECONOMICS AEC

Department of Agricultural Economics College of Agriculture and Natural Resources

- 800 Foundations of Agricultural Economics**
Fall. 3(3-0)

Concepts of agricultural economics drawn from economic and management theory. Applications to economic decisions and policy issues related to agricultural, food, and natural resource firms, markets, and institutions.

- 800A Mathematical Applications in Agricultural Economics**
Fall. 1(1-0) C: AEC 800 concurrently.

Basic mathematical tools for use in agricultural economics applications.

- 810 Institutional and Behavioral Economics**
Fall. 3(3-0) Interdepartmental with Economics; Resource Development.

Relationships among institutions, individual and collective actions, and economic performance. Public choice, property rights, and behavioral theories of firms and bureaucracies.

- 817 Political Economy of Agricultural and Trade Policy**
Spring. 3(3-0) RB: (EC 805 or EC 812A) and (EC 809 or EC 813A)

Concepts of policy analysis and decision. Agricultural sector problems, behavior, and policy in the development process. Macroeconomic and trade impacts. International policies affecting trade and development. Current policy issues.

- 818 Introduction to Econometrics**
Spring. 3(3-0) Interdepartmental with Economics; Statistics and Probability. Administered by Department of Economics. P:M: (EC 801 and STT 430) R: Not open to Economics Ph.D. students. SA: EC 820

The single equation regression model. Properties of least-squares estimators under various specifications. Multicollinearity, heteroskedasticity, serial correlation, generalized least squares.

- 822 Econometrics III**
Spring. 3(3-0) Interdepartmental with Economics; Statistics and Probability. Administered by Department of Economics. P:M: (EC 820A and EC 820B) or (STT 430 and EC 818)

Dynamic models and time series data. ARMA models. ARCH models. Unit roots, cointegration and error correction. Rational expectations models.

- 829 The Economics of Environmental Resources**
Fall. 3(3-0) Interdepartmental with Economics; Forestry; Park, Recreation and Tourism Resources; Resource Development.

Economic principles related to environmental conflicts and public policy alternatives. Applications to water quality, land use, conservation, development, and global environmental issues.

- 830 Wetlands Law and Policy**
Spring of odd years. 3(3-0) Interdepartmental with Resource Development; Fisheries and Wildlife; Forestry. Administered by Department of Resource Development. RB: (RD 801) Prior exposure to environmental and natural resource economics, management, policy, or law. An ability to do legal and other library-based research.

Origin and development of wetlands law and policy. Wetland functions, mitigation, and banking. Legal, economic, political, and administrative perspectives. Cases, statutes and regulations.

- 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) Interdepartmental with Resource Development; Forestry; Urban Planning. Administered by Department of Resource Development. RB: (RD 430) SA: RD 834

Public and private land use controls in the U.S. Civil rights, housing, energy problems, growth management, waste management, and land conservation. Cases, statutes and other regulations.

- 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.