African Languages

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 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 an African language, 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 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 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.

AGRICULTURAL ECONOMICS

100 Decision-making in the Agri-Food System
Fall, Spring. 3(3-0) Interdepartmental with Food Industry Management. SA: AEC 050

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.

222 Agribusiness and Food Industry Sales (W)
Fall, Spring. 3(3-0) Interdepartmental with Food Industry Management. 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.

225 Commodity Marketing I
Fall. 3(3-0) P:M: (ABM 100 or concurrently or concurrently) R: Open only to Agribusiness Management majors. Commodity markets in the agri-food system. Analysis of supply, demand, and pricing alternatives. Agribusiness 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.
Agribusiness Management—ABM

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

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 price 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) R/B: (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

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 sophomores or juniors 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 TECHNOLOGY AT TECHNOLOGY

Institute of Agricultural Technology
College of Agriculture and Natural Resources

290 Independent Study in Agricultural Technology
Fall, Spring, Summer. 1 to 4 credits. A student may earn a maximum of 6 credits in all enrollments for this course. R: Open only to freshmen or sophomores in the Institute of Agricultural Technology.
Supervised individual study on experimental, theoretical or applied topics related to agricultural science and technology.

291 Selected Topics in Agricultural Technology
Fall, Spring, Summer. 1 to 3 credits. A student may earn a maximum of 6 credits in all enrollments for this course. R: Open only to freshmen or sophomores in the Institute of Agricultural Technology.
Selected topics of current interest in agricultural science and technology.

293 Professional Internship in Agricultural Technology
Fall, Spring, Summer. 3 to 6 credits. A student may earn a maximum of 6 credits in all enrollments for this course. R: Open only to freshmen or sophomores in the Institute of Agricultural Technology.
Supervised professional experience in agencies, business and industry related to a student’s major field of study.

AGRICULTURAL TECHNOLOGY AND SYSTEMS MANAGEMENT

Department of Agricultural Engineering
College of Agriculture and Natural Resources

150 Metal Fabrication Technology
Fall. 2(1-2) R: Open only to students in the Biosystems Engineering or Building Construction Management major.
Physical principles and safety techniques for electric and gas welding. Soldering, brazing, cutting, tool use, machine shop equipment use, and hot and cold metalworking.

195 National Electrical Code Review
Fall. 3(3-0) R/B: (AE 094 or BCM 230) SA: AE 095
Electrical installation problems. Principles of and compliance with the National Electrical Code.

240 Machine Systems and Management
Spring. 3(2-2) P.M: (CSE 101 or CSE 131 or AT 090)
Principles, analysis, performance, operation, and management of agricultural machines.