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)
P: 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 or approval of department. 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 or approval of department. 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.

491. Special Topics in African Studies
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 topics supplementing regular course offerings proposed by faculty on a group study basis.

AGRICULTURAL AND EXTENSION EDUCATION  AEE

Department of Agricultural and Extension Education
College of Agriculture and Natural Resources

101. Introduction to Education and Communications in Agriculture and Natural Resource Management
Fall. 3(3-0)
R: Open only to freshmen and sophomores in the College of Agriculture and Natural Resources. Historical and philosophical foundations of agriscience education and Agriculture and Natural Resources management. Theories and principles of learning, instructional teaching, communication, and leadership in the context of the land-grant system.

201. Visual Communications in Agriculture and Natural Resources
Spring. 3(3-0)
P: AEE 101. R: Open only to students in the College of Agriculture and Natural Resources. Understanding, use, design, and production of visual communications in agriculture and natural resources. Posters, print advertisements, and presentation graphics.

203. American Agrarian Movements
Spring. 3(3-0)
Historical perspectives of America by pioneers, farmers, and others who cultivated the land from 1700s to 1930. Agricultural movements, trends and development.

301. Exploring World Agriculture and Natural Resources
Fall. 3(3-0)
P: AEE 101 or CSS 101 or FSM 200 or RD 201. R: Not open to freshmen and sophomores. International dimensions of agriculture and natural resources. Social, economic, geographic, natural and political constraints.

302. Developing and Managing Agriscience and Natural Resources Education Programs
Fall. 3(3-0)
P: AEE 101 or TR 160. Development, management and relationships of key components in effective agriscience and natural resources education programs. Community resource use, leadership development, program evaluation.

303. Issues in Agricultural and Environmental Education Programs
Fall. 3(3-0)
P: AEE 101 or TR 150; FW 203. R: Not open to freshmen and sophomores. Assessment and analysis of current issues and their impact on agricultural and environmental education programs.

310. Environmental Communication
12. American Agricultural Development and the Land-Grant System  
Spring. 3(0-3)  
R: Open only to freshmen.  
A historical overview of the evolution of American agricultural development and the land-grant system, relationships between federal legislation and agrarian situations such as farm organizations and land-grant colleges.

91. Agricultural and Natural Resources Communications Campaigns  
Fall, Spring, Summer. 3(3-0)  
Open only to juniors or seniors in the College of Agricultural and Natural Resources or College of Communication Arts and Sciences.  
Preparation and execution of agricultural and natural resource communications programs. Emphasis on theories, strategies and techniques using mass and targeted media channels.

13. Agricultural and Natural Resources Leadership and Education  
Fall, Spring, Summer. 3(3-0)  
Open only to juniors or seniors.  
Characteristics of leadership, group dynamics, and development of personal leadership skills. Educational ethics and learning styles.

90. Independent Study  
Fall, Spring, Summer. 1 to 4 credits.  
A student may earn a maximum of 4 credits in all enrollments for this course.  
R: AEE 401. R: Open only to Agriscience or Agricultural and Natural Resources Communications majors. Approval of department; application required.  
Individual study in areas of agriscience, extension education, or agricultural and natural resources communications.

91. Selected Topics  
Fall, Spring, Summer. 1 to 4 credits.  
A student may earn a maximum of 4 credits in all enrollments for this course.  
R: AEE 101 or AEE 401. R: Open only to Agriscience or agriculture and Natural Resources Communications majors. Approval of department.  
Topics selected to meet student needs in agriculture and natural resources communications or agriscience and natural resources education.

91. Global Development through Agricultural and Extension Education  
Fall. 3(3-0)  
Application of education theories: principles and practices in planning, conducting, and evaluating formal and informal education programs on international development.

92. Program Administration in Agricultural and Extension Education  
Fall. 3(3-0)  
Organizational and management concepts and practices in agricultural and extension education.

93. Instructional Strategies in Agricultural and Extension Education  
Spring. 3(3-0)  

94. Communication Strategies in Agricultural and Extension Education  
Fall. 3(3-0)  
Open only to juniors and graduate students in the College of Agriculture and Natural Resources.  
Information delivery systems and presentation techniques for various agricultural and extension audiences.

95. Leadership Development in Agricultural and Extension Education  
Spring. 3(3-0)  
Assessment of values, style, behavior, principles, philosophical and sociological bases for leadership development. Applications.

96. Program Planning and Evaluation in Agricultural and Extension Education  
Spring of odd-numbered years, Summer of even-numbered years. 3(3-0)  
Principles, theories, and practices in developing and evaluating state and local agricultural and extension education programs.

97. Research in Agricultural and Extension Education  
Fall. 3(3-0)  
R: Open only to graduate students in College of Agricultural and Natural Resources.  
Planning, designing, conducting, and reporting research in agricultural and extension education.

98. Education Through Extension  
Fall. 3(3-0)  
Function, organization, and operation of extension education programs.

99. Principles and Philosophies of Agriscience Education  
Summer. 3(3-0)  
Principles and philosophies for analyzing and developing agriscience education courses, curricula, and programs.

100. Teaching Supervised Agriscience Experiences  
Summer of odd-numbered years. 3(3-0)  
R: Open only to graduate students in Agricultural and Extension Education.  
Principles and practices of agriscience laboratory teaching in high schools.

101. Independent Study in Agricultural and Extension Education  
Fall, Spring, Summer. 1 to 4 credits.  
A student may earn a maximum of 4 credits in all enrollments for this course.  
R: Approval of department.

102. Selected Topics in Agricultural and Extension Education  
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 graduate students in Agricultural and Extension Education.  
Selected topics in agricultural and extension education.

103. Seminar in Agricultural and Extension Education  
Fall, Spring, Summer. 1 to 2 credits.  
A student may earn a maximum of 2 credits in all enrollments for this course.  
R: Open only to graduate students in Agricultural and Extension Education.  
Selected issues in agricultural and extension education.

104. Professional Field Experience in Agricultural and Extension Education  
Fall, Spring, Summer. 1 to 4 credits.  
A student may earn a maximum of 4 credits in all enrollments for this course.  
R: Open only to graduate students in Agricultural and Extension Education.  
Practice, observation, and analysis through field experiences.

105. Master’s Research  
Fall, Spring, Summer. 1 to 6 credits.  
A student may earn a maximum of 9 credits in all enrollments for this course.  
R: Open only to master's degree students in Agricultural and Extension Education.  
Master's Plan B Research.

106. Master’s Thesis Research  
Fall, Spring, Summer. 1 to 6 credits.  
A student may earn a maximum of 9 credits in all enrollments for this course.  
R: Open only to master's degree students in Agricultural and Extension Education.

107. International Agricultural and Extension Education Systems  
Spring. 3(3-0)  
R: AEE 801 or AEE 811 or AEE 821. R: Open only to graduate students in Agricultural and Extension Education.  
Systems of agricultural and extension education in different countries. Philosophical and structural differences and similarities.

108. Research Project Design and Implementation  
Spring. 3(3-0)  
R: AEE 807 or approval of department.  
Selection and development of research instruments. Quantitative and qualitative data analysis in agricultural and extension education.

109. Nonformal Learning  
Fall of even-numbered years, Summer of odd-numbered years. 3(3-0)  
R: AEE 811.  

110. Advanced Extension Administration  
Spring. 3(3-0)  
R: AEE 860. R: Open only to graduate students in College of Agriculture and Natural Resources.  
Advanced practices and applications necessary for effective management and administration within extension education.

111. Doctoral Dissertation Research  
Fall, Spring, Summer. 1 to 24 credits.  
A student may earn a maximum of 99 credits in all enrollments for this course.  
R: Open only to Ph.D. students in Agricultural and Extension Education.

AGRICULTURAL ECONOMICS  
AEC  
Department of Agricultural Economics  
College of Agriculture and Natural Resources  

481. Agricultural Research Systems in Developing Countries  
Summer. 2(2-0)  
Interdepartmental with Agriculture and Natural Resources, Animal Science, and Crop and Soil Sciences. Administered by Agriculture and Natural Resources.  
R: Open only to seniors and graduate students in the College of Agriculture and Natural Resources.  
Planning, organizing, and managing agricultural research systems. Problems and alternative reforms to improve research productivity. Adapting new agricultural technology in developing countries.