

AFRICAN LANGUAGES

102B*. *Elementary African Language II*
 Spring. 4(4-1)
 R: Approval of department.
 Further work on speaking, reading, and writing an African languages, with continued emphasis on developing oral proficiency skills.
 QP: AFR 101 QA: AFR 102 AFR 103

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.
 QA: AFR 101 AFR 102

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.
 QP: AFR 101 QA: AFR 102 AFR 103

201A*. *Second Year Swahili I*
 Fall. 4(4-1)
 P: AFR 102A or R: approval of department.
 Intermediate-level work on speaking, reading, and writing Swahili, with emphasis on developing oral proficiency skills.
 QP: AFR 103 QA: AFR 201 AFR 202

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.
 QP: AFR 103 QA: AFR 201 AFR 202

202A*. *Second-Year Swahili II*
 Spring. 4(4-1)
 P: AFR 201A or R: approval of department.
 Further intermediate-level work on speaking, reading, and writing Swahili, with continued emphasis on developing oral proficiency skills.
 QP: AFR 201 QA: AFR 202 AFR 203

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.
 QP: AFR 201 QA: AFR 202 AFR 203

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.
 QP: AFR 103 QA: AFR 201 AFR 202

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.
 QP: AFR 201 QA: AFR 202 AFR 203

290*. *Independent Study*
 Fall, Spring, Summer. 1 to 4 credits.
 May reenroll for a maximum of 8 credits.
 R: Approval of the 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. May reenroll for a maximum of 20 credits.
 P: AFR 202A or R: approval of department.
 Advanced study of Swahili. Speaking, reading, and writing, with emphasis on developing oral proficiency skills.
 QP: AFR 203 QA: AFR 450

450B*. *Advanced African Language*
 Fall, Spring. 1 to 5 credits. May reenroll for a maximum of 24 credits.
 R: Approval of department.
 Advanced study of an African language. Speaking, reading, and writing, with emphasis on developing oral proficiency skills. Language varies.
 QP: AFR 203 QA: AFR 450

490*. *Independent Study*
 Fall, Spring, Summer. 1 to 4 credits.
 May reenroll for a maximum of 8 credits.
 R: Approval of the Department
 Special projects arranged by an individual student and a faculty member in areas supplementing regular course offerings.

491*. *Special Topics in African Studies*
 Fall, Spring, Summer. 1 to 4 credits.
 May reenroll for a maximum of 8 credits.
 R: Approval of the Department
 Special topics supplementing regular course offerings proposed by faculty on a group study basis.

AGRICULTURAL AND EXTENSION EDUCATION AEE

101*. *Introduction to Education and Communications in Agriculture & Natural Resources*
 Fall. 3(3-0)
 R: Open only to freshmen and sophomore College of Agriculture and Natural Resources students.
 Historical and philosophical foundations of agriscience education and Agriculture and Natural Resources communications. Theories and principles of learning, inductive teaching, communication, and leadership in the context of the land-grant system.

201*. *Visual Communications in Agriculture and Natural Resources*
 Spring. 3(2-2)
 P: AEE 101. R: Not open to freshmen.
 Open only to students in Agriculture and Natural Resources Communications.
 Understanding, use, design, and production of visual communications in agriculture and natural resources. Posters, print advertisements, and presentation graphics.
 QA: AEE 230

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

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.
 QP: CSS 101 ORFSM 200ORFW 203. QA: ANR 275

302*. *Developing and Managing Agriscience and Natural Resources Education Programs*
 Fall. 3(2-2)
 P: AEE 101. R: Open only to College of Agriculture and Natural Resources and College of Education majors.
 Development, management and relationships of key components in effective agriscience and natural resources education programs. Community resource use, leadership development, program evaluation.
 QP: TE 323 AEE 360 QA: AEE 360 AEE 361 AEE 362

303*. *Issues in Agricultural and Environmental Education Programs*
 Fall. 3(2-2)
 P: AEE 101 or TE 150; FW 203. R: Not open to freshmen and sophomores. Open only to students with a secondary teaching minor in the College of Agriculture and Natural Resources Teaching.
 Assessment and analysis of current issues and their impact on agricultural and environmental education programs.
 QP: FW 203 TE 200ORTE 322

312*. *American Agricultural Development and the Land-Grant System*
 Fall. 3(3-0)
 P: AEE 203. R: Not open to freshmen.
 Historical overview of the evolution of American agricultural development and the land-grant system. Relationship between federal legislation and agrarian institutions such as farm organizations and land grant colleges.
 QA: ANR 280

401*. *Agricultural and Natural Resources Communications Campaigns*
 Fall, Spring, Summer. 3(4-0)
 P: AEE 101 or AEE 201 or JRN 108 or JRN 205. R: Open only to College of Agriculture and Natural Resources and Communication Arts and Sciences majors.
 Planning and execution of agricultural and natural resource communication campaigns. Emphasis on theories, strategies and techniques using mass and controlled media channels.
 QP: JRN 201 QA: AEE 401

403*. *Agricultural and Natural Resources Leadership and Education*
 Spring. 3(3-0)
 P: AEE 301 or AEE 302. R: Not open to freshmen and sophomores.
 Characteristics of leadership, group dynamics, and development of personal leadership skills. Educational methods and learning styles.
 QP: AEE 360 ORAEE 361ORAEE 362

411*. *Traditional Cultural Resources*
 Fall. 3(3-0) Interdepartmental with the Department(s) of Resource Development.
 P: AEE 201 or RD 201 or HA 205 R: Juniors and above
 Identification and use of traditional cultural resources in developing policies and programs in education, conservation, and community and economic development.

490*. *Independent Study*
 Fall, Spring, Summer. 1 to 4 credits.
 May reenroll for a maximum of 4 credits.
 P: AEE 101, AEE 401. R: Open only to Agribusiness and Natural Resources Education and Agriculture and Natural Resources Communications majors. Approval of department; application required.
 Individual study in areas of agriscience, extension education, or agricultural and natural resources communications.
 QP: AEE 401 ORAEE 360 QA: AEE 483

AGRICULTURAL AND EXTENSION EDUCATION

- 491*.** **Selected Topics**
 Fall, Spring, Summer. 1 to 4 credits.
 May reenroll for a maximum of 4 credits.
 P: AEE 101 or AEE 401. R: Open only to Agribusiness and Natural Resources Education and Agriculture and Natural Resources Communications majors.
 Topics selected to meet students needs in agriculture and natural resources communications or agriscience and natural resources education.
 QP: AEE 401 ORAEE 360
- 801*.** **Global Development Through Agricultural and Extension Education**
 Fall. 3(3-0)
 P: AEE 806 R: None
 Application of education theories, principles and practices in planning, conducting and evaluation (formal and non-formal) education programs that focus on international development through agricultural and extension education.
 QA: AEE 802
- 802*.** **Program Administration in Agricultural and Extension Education**
 Fall. 3(3-0)
 R: None None None None
 Theoretical constructs of organizational concepts, management concepts and practices applicable to Extension Education and Agricultural Education.
 QA: AEE 851
- 803*.** **Instructional Strategies in Agricultural and Extension Education**
 Spring. 3(3-0)
 Strategies and methods for effectively assessing learning needs, developing or selecting appropriate teaching strategies, using teaching strategies and evaluating their effectiveness with groups of learners.
 QA: AEE 824
- 804*.** **Communication Strategies in Agricultural and Extension Education**
 Fall. 3(3-0)
 R: Senior and above Agriculture and Natural Resources
 Strategy for effective communication for diverse audiences. Emphasis on new information delivery systems-such as satellites & computers. Writing and preparing oral presentations for varied agricultural and Extension audiences is required.
 QA: AEE 830
- 805*.** **Leadership Development in Agricultural and Extension Education**
 Spring. 3(3-0)
 Assessing leader values, style, behavior and principles, philosophical and sociological bases for leadership development with applications in the Agricultural and Extension Education.
 QA: AEE 858
- 806*.** **Program Planning and Evaluation in Agricultural and Extension Education**
 Spring of odd-numbered years, Summer of even-numbered years. 3(3-0)
 P: Graduate Student R: Graduate Student
 Principles of planning and evaluating programs in agricultural and extension education.
 QA: AEE 810 AEE 860
- 807*.** **The Research Process in Agricultural and Extension Education**
 Fall. 3(3-0)
 Principles and practices of planning, designing, conducting, and reporting research in agricultural and extension education.
 QA: AEE 881 AEE 881
- 811*.** **Education Through Extension**
 Fall. 3(3-0)
 Examination and analysis of the function, organization and operation of extension education programs.
 QA: AEE 806
- 821*.** **Principles and Philosophy of Agriscience Education**
 Summer. 3(3-0)
 Principles and philosophy that provide bases for analyzing and developing Agriscience Education courses, curricula, and programs.
 QA: AEE 820
- 822*.** **Teaching Supervised Agricultural Experiences (SAE)**
 Summer of odd-numbered years. 3(3-0)
 R: Graduate
 The principles and practices involved in teaching high school youth in school sponsored agriscience laboratory learning.
 QA: AEE 826 AEE 822
- 890*.** **Readings and Independent Study in Agricultural and Extension Education**
 Fall, Spring, Summer. 1 to 4 credits.
 May reenroll for a maximum of 4 credits.
 P: Approval by Agricultural and Extension Education Instructor. R: Graduate Students
 Study by an individual and/or group basis in the various areas of Agricultural and Extension Education.
 QA: AEE 883
- 891*.** **Selected Topics in Agricultural and Extension Education(MTC)**
 Fall, Spring, Summer. 1 to 6 credits.
 May reenroll for a maximum of 6 credits.
 R: Graduate
 Topics selected to focus on contemporary issues and problems in Agricultural & Extension Education.
- 892*.** **Seminar in Agricultural and Extension Education(MTC)**
 Fall, Spring, Summer. 3(3-0) May reenroll for a maximum of 6 credits.
 Seminar on selected issues in Agricultural and Extension Education. Students expected to contribute through individual reports/contributions and through active discussion.
 QA: AEE 885
- 893*.** **Professional Field Experience in Agricultural and Extension Education(MTC)**
 Fall, Spring, Summer. 1 to 4 credits.
 May reenroll for a maximum of 4 credits.
 R: Graduate Students
 The practice, observation and analysis of and through field based experiences in Agricultural and Extension Education.
 QA: AEE 881
- 898*.** **Masters Plan B Research(W)**
 Fall, Spring, Summer. 1 to 3 credits.
 May reenroll for a maximum of 3 credits.
 R: Masters Students/Agricultural and Extension Education /Plan B Agriculture and Natural Resources Agricultural and Extension Education Masters Students Plan B Research
 QA: AEE 889
- 899*.** **Masters Thesis Research(W)**
 Fall, Spring, Summer. 1 to 4 credits.
 May reenroll for a maximum of 4 credits.
 R: Masters Agriculture and Natural Resources Agricultural and Extension Education Masters Thesis Research
 QA: AEE 899
- 901*.** **Worldwide Agricultural and Extension Education Systems**
 Spring. 3(3-0)
 P: AEE 801 or AEE 811 or AEE 821 R: Graduate
 A comparative course on selected systems of Agricultural and Extension Education in different countries with attention to philosophical and structural differences and similarities of organization, programs, staffing, staff development and delivery.
- 907*.** **Research Project Design and Implementation**
 Spring. 3(3-0)
 P: AEE 807
 Principles and practices of selecting, developing and analyzing research instruments. Analyzing and interpreting both quantitative and qualitative data in Agricultural and Extension Education.
 QP: AEE 881 AEE 881 QA: AEE 881 AEE 881
- 911*.** **Nonformal Learning**
 Fall of even-numbered years, Summer of odd-numbered years. 3(3-0)
 P: AEE 811 or equivalent
 Examination of theories and philosophies that define learning in out-of-school settings. Alternative strategies for facilitating nonformal learning.
- 912*.** **Advanced Extension Administration**
 Spring. 3(3-0)
 P: AEE 802, AEE 811
 Advanced practices and applications necessary for effective management/administration within Extension Education.
 QA: AEE 851
- 999*.** **Doctoral Dissertation Research(W)**
 Fall, Spring, Summer. 1 to 36 credits.
 May reenroll for a maximum of 0 credits.
 R: PhD ANR AEE
 Doctoral dissertation research. Credits used to complete this Ph.D. thesis.
 QA: AEE 999

AGRICULTURAL ECONOMICS AEC

- 811*.** **Institutional and Behavioral Economics**
 Fall. 3(3-0) Interdepartmental with the Department(s) of Economics, Resource Development.
 P: EC 324, EC 326
 Inst., behavior, performance. Collective action, public choice, property rights, agency, transaction-info. costs, behavioral theory of firm-consumers, gov., externalities, income dist., order, evolution, learning, uncertainly legitimation, altruism.
 QA: AEC 810 AEC 809