

Descriptions—African Languages of Courses

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. P: AFR 202A or approval of department.

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 and sophomores. Approval of department.

Special projects arranged by an individual student and a faculty member in areas supplementing regular course offerings.

AGRICULTURAL AND EXTENSION EDUCATION

AEE

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

110. Foundations of ANR Communications: Learning and Leadership

Fall. 2(1-2) R: Open only to students in Agriculture and Natural Resources Communications major or Agriscience major or the Agriculture and Natural Resources - No Preference undergraduate program.

Basic information systems applied to ANR communications, learning, and leadership. Communications skills, research techniques, learning theory, technology, and personal and professional development.

SA: AEE 101

111. Applications of ANR Communications: Learning and Leadership

Spring. 2(1-2) P: (AEE 110) R: Open only to students in the Agriculture and Natural Resources Communications major or Agriscience major or Agriculture and Natural Resources - No Preference undergraduate program.

Application of information systems theory, communications skills, research techniques, learning theory, and technology to agriculture and natural resource problems. Issue identification, critical thinking, problem solving, team building, and working with diversity.

SA: AEE 101

210. Approaches to ANR Technology and Information Systems

Fall. 2(1-2) P: (AEE 110 or concurrently or AEE 101) R: Open only to students in Agriculture and Natural Resources Communications or Agriscience major.

Development of technology and learning resources in agriculture and natural resources. Graphic design, electronic publishing, database management, evaluation techniques, and educational technology.

SA: AEE 201

211. Applications of ANR Technology and Information Systems

Spring. 2(1-2) P: (AEE 111 or concurrently or AEE 101) R: Open only to students in the Agriculture and Natural Resources Communications or Agriscience major.

Application of technology and learning resources and systems in agriculture and natural resources for external audiences. Production of graphic designs, publishing and production of other informational materials.

SA: AEE 201

212. 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.

SA: AEE 203

300. Approaches to Information Management and Evaluation in ANR

Fall. 2(1-2) P: Completion of Tier I writing requirement. (AEE 211 or AEE 201) R: Open only to students in the Agriculture and Natural Resources Communications or Agriscience major.

Advanced information and evaluation techniques to plan, implement and assess domestic and international communication, marketing, and educational projects in agriculture and natural resources. Qualitative and quantitative methods of inquiry.

SA: AEE 301

311. Applications of Information Management and Evaluation in ANR

Spring. 2(1-2) P: Completion of Tier I writing requirement. (AEE 300) R: Open only to students in the Agriculture and Natural Resources Communications or Agriscience major.

Marketing, educational, and public relations campaigns to solve and address problems in agriculture and natural resources. Application of distance education technology and field work to domestic and international projects.

SA: AEE 301

314. Issues in Agricultural and Environmental Education Programs

Fall. 3(2-2) P: (AEE 110 or TE 150) and (FW 203) R: Not open to freshmen or sophomores.

Assessment and analysis of current issues and their impact on agricultural and environmental education programs.

SA: AEE 303

401. Agricultural and Natural Resources Communications Campaigns

Fall, Spring, Summer. 3(3-0) P: Completion of Tier I writing requirement. R: Open only to juniors or seniors in the College of Agriculture and Natural Resources or the College of Communication Arts and Sciences. Not open to students with credit in AEE 300 or AEE 410.

Planning and execution of agricultural and natural resource communication campaigns. Emphasis on theories, strategies and techniques using mass and controlled media channels.

410. Approaches to Problems in ANR Communications and Education

Fall. 2(1-2) P: Completion of Tier I writing requirement. (AEE 311 or AEE 301) R: Open only to students in the Agriculture and Natural Resources Communications or Agriscience major. Not open to students with credit in AEE 401.

Team approach to current issues in agriculture and natural resources communications and education. Solving advanced problems with peers and professionals. Professional standards and ethical practice.

411. Applications of Problems in ANR Communications and Education

Spring. 2(1-2) P: Completion of Tier I writing requirement. (AEE 410) R: Open only to students in the Agriculture and Natural Resources Communications or Agriscience major. Not open to students with credit in AEE 401.

Developing solutions for client problems through field work in agriculture and natural resources communications and education. Transition into the world of work.

412. Agricultural and Natural Resources Leadership and Education

Fall, Spring, Summer. 3(3-0) R: Open only to juniors or seniors.

Characteristics of leadership and group dynamics. Development of personal leadership skills. Educational methods and learning styles.

SA: AEE 403

475. International Studies in ANR Communications & Ag Science

Fall, Spring, Summer. 1 to 6 credits. A student may earn a maximum of 6 credits in all enrollments for this course. R: Approval of department; application required.

Study and travel experience emphasizing contemporary problems affecting Agriculture and Natural Resources in world, national, and local communities.

490. 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: Open only to Agriscience or 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.

491. 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: 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.

493. Professional Internship

Fall, Spring, Summer. 1 to 3 credits. A student may earn a maximum of 6 credits in all enrollments for this course. P: (AEE 210) R: Not open to freshmen. Approval of department; application required. A student may earn a maximum of 6 credits in the following courses: AEE 493, ANR 493, ANS 493, FW 493, PKG 493, PRM 493, PRR 493, and RD 493.

Professional internship for students majoring in Agriculture Communications and Agriscience.

801. 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 nonformal education programs on international development.

802. Program Administration in Agricultural and Extension Education

Fall. 3(3-0)

Organizational and management concepts and practices in agricultural and extension education.

803. Instructional Strategies in Agricultural and Extension Education

Spring. 3(3-0)

Assessment of learning needs. Development, selection, use and evaluation of teaching strategies. Emphasis on agriscience education and adult learners.

804. Communication Strategies in Agricultural and Extension Education

Fall. 3(3-0) R: Open only to seniors and graduate students in College of Agriculture and Natural Resources.

Information delivery systems and presentation techniques for varied agricultural and extension audiences.

805. 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.

806. Program Planning and Evaluation in Agricultural and Extension Education

Spring of odd years. Summer of even years. 3(3-0)

Principles, theories, and practices in developing and evaluating state and local agricultural and extension education programs.

807. Research in Agricultural and Extension Education

Fall. 3(3-0) R: Open only to graduate students in College of Agriculture and Natural Resources.

Planning, designing, conducting, and reporting research in agricultural and extension education.

811. Education Through Extension

Fall. 3(3-0)

Function, organization, and operation of extension education programs.

822. Teaching Supervised Agriscience Experiences

Summer of odd 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.

890. 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.

891. 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.

Contemporary issues and problems in agricultural and extension education.

892. Seminar in Agricultural and Extension Education

Fall, Spring. 1(1-0) A student may earn a maximum of 2 credits in all enrollments for this course. Selected issues in agricultural and extension education.

893. 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.

898. Master's Research

Fall, Spring, Summer. 1 to 5 credits. A student may earn a maximum of 5 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.

899. Master's Thesis Research

Fall, Spring, Summer. 1 to 6 credits. A student may earn a maximum of 99 credits in all enrollments for this course. R: Open only to master's degree students in Agricultural and Extension Education.

901. International Agricultural and Extension Education Systems

Spring. 3(3-0) P: AEE 801 or AEE 811 or AEE 821.

Systems of agricultural and extension education in different countries. Philosophical and structural differences and similarities.

907. Research Project Design and Implementation

Spring. 3(3-0) P: AEE 807 or approval of department.

Selection and development of research instruments. Quantitative and qualitative data analysis in agricultural and extension education.

911. Nonformal Learning

Fall of even years. Summer of odd years. 3(3-0) P: AEE 811.

Theories and philosophies of learning in out-of-school settings. Alternative strategies.

912. Advanced Extension Administration

Spring. 3(3-0) P: AEE 802. 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.

999. 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**

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; and 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) P: EC 805 or EC 812A; 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.