202. 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

202. 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. 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.
QP: AFR 201, AFR 202, AFR 203

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 Resources Fall. 3(3-0)

R: Open only to freshmen or sophomores in the College of Agriculture and Natural Resources. Historical and cultural foundations of the education and Agricultural and Natural Resources communications. Theories and principles of learning, inductive teaching, communication, and leadership in the context of the land-grant system.
QP: AEE 101, AEE 201, AEE 201

201. Visual Communications in Agriculture and Natural Resources Spring, 3(2-2)

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.
QA: AEE 101, AEE 102

203. American Agrarian Movements Spring, 3(3-0)

R: Approval of department.
Historical perspectives of America by pioneers, farmers, ranchers, and others who cultivated the land from 1700s to 1920. Agricultural movements, trends and development.
QA: AEE 203

301. Exploring World Agriculture and Natural Resources Fall, 3(3-0)

P: AEE 101 or AEP 101 or AEP 102 or R: Not open to freshmen or sophomores. International dimensions of agriculture and natural resources. Social, economic, geographic, natural and political contexts.
QP: CSS 101, FSM 200, FW 203 QA: ANR 275
802. Program Administration in Agricultural and Extension Education
Fall, 3(3-0)
Organizational and management concepts and practices in agricultural and extension education.
QA: AEE 851

803. Instructional Strategies in Agricultural and Extension Education
Spring, 3(3-0)
QA: AEE 864

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.
QA: AEE 889

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.
QA: AEE 858

806. Program Planning and Evaluation in Agricultural and Extension Education
Spring of even-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.
QA: AEE 810, AEE 890

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.
QA: AEE 881

811. Education Through Extension
Fall. 3(3-0)
Function, organization, and operation of extension education programs.
QA: AEE 896

821. Principles and Philosophies of Agriscience Education
Summer. 3(3-0)
Principles and philosophies for analyzing and developing agriscience education courses, curricula, and programs.
QA: AEE 820

822. 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.
QA: AEE 829, AEE 822

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.
QA: AEE 883

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.
QA: AEE 881

892. Seminar in Agricultural and Extension Education
Fall, Spring. 1 to 0. A student may earn a maximum of 2 credits in all enrollments for this course.
Selected issues in agricultural and extension education.
QA: AEE 885

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.
QA: AEE 812A, AEE 812B

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 graduate students in Agricultural and Extension Education.
Master's Plan B Research.
QA: AEE 889

899. 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.
QA: AEE 899

901. International Agricultural and Extension Education Systems
Spring, 3(3-0)
P: AEE 891 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.
QA: AEE 881

911. Nonformal Learning
Fall of even-numbered years. Summer of odd number of years. 3(3-0)
P: AEE 811.
QA: AEE 896

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.
QA: AEE 999

AGRICULTURAL ECONOMICS

Department of Agricultural Economics
College of Agriculture and Natural Resources

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.
QA: AEC 810, AEC 829

815. Applied Welfare Economics in Agriculture
Fall of odd-numbered years. 3(3-0)
P: EC 801; EC 806 or EC 812A; EC 869 or EC 813A.
Concepts and issues in welfare economies with application to agricultural development, policy and trade, marketing and finance, and environmental policy.
QP: EC 845, EC 850A, EC 851A, EC 856B, EC 862A

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

829. The Economics of Environmental Resources
Fall. 3(3-0) Interdepartmental with Resource Development, Forestry, Park and Recreation Resources, and Economics.
Economic principles related to environmental conflicts and public policy alternatives. Applications to water quality, land use, conservation, development, and global environmental issues.

835. Introductory Econometrics
Summer. 3(3-0)
P: 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.
QP: STT 422 QA: EC 835

841. Organization and Performance of Agricultural Markets
Spring, 3(3-0)
R: Open only to graduate students in College of Agriculture and Natural Resources.
Analytical approaches. Institutions and processes for coordinating food and agricultural systems. Issues of organization, control and public policy.
QA: AEC 841

845. Commodity Market Analysis
Fall, 3(3-0)
P: AEC 821; AEC 822.
QP: AEC 835 QA: AEC 843

851. Agricultural Firm Management
Summer, 3(3-0)
Managerial processes for planning and controlling agricultural firms. Applications of financial concepts, budgets, simulations, and cognitive and information systems to developed and developing countries. Predictive and prescriptive analysis.
QA: AEC 851