

AGRICULTURAL EDUCATION AND COMMUNICATION

AEC 5032 Agricultural and Natural Resources Media Writing 3 Credits

Grading Scheme: Letter Grade

Varied media writing assignments: feature stories, news releases, and video.

Prerequisite: AEC 5541.

AEC 5034 Digital Media Production in Agriculture and Natural Resources 3 Credits

Grading Scheme: Letter Grade

This course focuses on the role of digital media production in agriculture and natural resources.

AEC 5037 Agricultural and Natural Resources Media Production 3 Credits

Grading Scheme: Letter Grade

Various agricultural media production assignments. Developing agricultural websites and publications.

AEC 5060 Public Opinion and Agricultural and Natural Resource Issues 3 Credits

Grading Scheme: Letter Grade

Public opinion measurement and agenda setting. Media treatment, public opinion, and public relations/public information activity on issues affecting agricultural production and trade.

AEC 5074 Agriculture, Resources, People, and the Environment: A Global Perspective 3 Credits

Grading Scheme: Letter Grade

Interdependence in the global context, and the need to cultivate a lifelong global perspective.

AEC 5206 Teaching Methods in Agricultural Education 3 Credits

Grading Scheme: Letter Grade

Teaching methodology course that focuses on the selection and use of teaching strategies, methods/ approaches, and techniques; evaluating learning; managing learning environments; and classroom management for teaching agricultural subjects in formal educational settings.

AEC 5227 Teaching in Agricultural Education Laboratory Facilities 3 Credits

Grading Scheme: Letter Grade

This course is designed to introduce pre-service agricultural education teachers to laboratory integration into the agricultural education curriculum at the middle school and secondary school level.

Prerequisite: Admission to state approved agriculture teacher certification program.

AEC 5302 Professional Skill Development in Agriscience Education I 1-3 Credits, Max 9 Credits

Grading Scheme: Letter Grade

Development and enhancement of technical agricultural and scientific knowledge and skills by professional agriscience teachers.

Prerequisite: Teaching experience.

AEC 5324 Philosophy and Development of Agricultural Education 3 Credits

Grading Scheme: Letter Grade

An analysis of evolving concepts and philosophies of agricultural education programs with emphasis upon history, legislation, and principles underlying organization and practice.

Prerequisite: Admission to AEC state-approved graduate-level teacher certification program.

AEC 5416 Critical and Creative Thinking in Problem Solving and Decision Making 3 Credits

Grading Scheme: Letter Grade

Creating a foundation for effective leadership practice through the analysis and development of critical and creative thinking skills and dispositions as applied to dynamic organizational and community contexts. Contexts include agriculture, life sciences, natural resources, and related settings.

AEC 5440 Interpersonal Leadership in Agricultural and Life Sciences 3 Credits

Grading Scheme: Letter Grade

Theory, research, and practices that create a foundation for self-awareness, emotional intelligence, relationship building, and leadership within the broad contexts of agriculture and life sciences and beyond.

AEC 5454 Leadership Development for Extension and Community Nonprofit Organizations 3 Credits

Grading Scheme: Letter Grade

Application of concepts related to developing leaders for organizing and maintaining extension and community nonprofit organizations.

AEC 5501 Professional Skill Development in Agriscience Education II 1-3 Credits, Max 9 Credits

Grading Scheme: Letter Grade

Advanced level of development and enhancement of technical agriculture and scientific knowledge and skills by professional agriscience educators.

Prerequisite: AEC 5302.

AEC 5541 Communication and Instructional Technologies in Agricultural and Life Sciences 3 Credits

Grading Scheme: Letter Grade

Planning and producing written and visual instructional and communication materials for programs in the agricultural and life sciences.

AEC 5544 Curriculum Development and Assessment Techniques in Emerging Agricultural Technologies 3 Credits

Grading Scheme: Letter Grade

Principles and practices used in developing agricultural education curriculum from developing objectives through instructional plans. Assessing student learning and implementing curriculum.

AEC 5545 Special Methods in Teaching Agriculture 3 Credits

Grading Scheme: Letter Grade

Teaching methods for active learning, critical, creative and evaluative thinking in the agricultural education classroom. Strategies for managing student behavior, utilizing instructional technology and utilizing FFA and SAE as teaching tools.

AEC 5546 Program Planning in Agricultural Education 3 Credits

Grading Scheme: Letter Grade

Principles and practices used in designing agricultural education program plans for effective and total program development.

AEC 6210 Designing Educational Programs in Agricultural Settings 3 Credits

Grading Scheme: Letter Grade

Designing Educational Programs in Agricultural Settings

AEC 6211 Delivering Educational Programs in Agricultural Settings 3 Credits

Grading Scheme: Letter Grade

This course will be focusing on delivering educational programs in formal and nonformal settings. Emphasis will be placed on balancing theoretical and practical development and delivery of educational programs.

AEC 6212 Teacher Education in Agriculture 3 Credits

Grading Scheme: Letter Grade

Preparing future agricultural teacher educators with the knowledge and skills needed to provide leadership in a university teacher education program. Students will investigate various models of teacher education and determine the composition of a well-developed agriculture teacher education program.

AEC 6229 Laboratory Instruction: Theory and Practice 3 Credits

Grading Scheme: Letter Grade

Research and theoretical foundations underlying the aspects of planning, management, teaching, evaluation, safety, and facility design: discussed in the context of laboratory instruction.

AEC 6300 Methodology of Planned Change 3 Credits

Grading Scheme: Letter Grade

Processes by which professional change agents influence the introduction, adoption, and diffusion of technological changes. Applicable to those who are responsible for bringing about change.

AEC 6316 From America to Zimbabwe: An Overview of International Extension Systems 3 Credits

Grading Scheme: Letter Grade

Various extension models and delivery systems, extension partners; linkages and issues affecting extension internationally. Field trip.

AEC 6321 The Land Grant University and University Governance 3 Credits

Grading Scheme: Letter Grade

Implications of change and future pathways for teaching, research and extension, including global perspectives, and the role and philosophy of administrators in governing a complex university.

Prerequisite: None.

AEC 6325 History and Philosophy of Agricultural Education 3 Credits

Grading Scheme: Letter Grade

Analysis of evolving concepts and philosophies. Emphasis on history, legislation, and principles underlining organization and practice. Participation in field experience required.

AEC 6411 Organizational Leadership in Agriculture and Life Sciences 3 Credits

Grading Scheme: Letter Grade

Leadership will be examined as it relates to agriculture and life science based organizations and will provide a knowledge base for effective leadership. Topics will focus on: organizational leadership, culture, structure, relationships, change, conflict and issues within agriculture and life sciences that can impact organizations.

AEC 6419 Communication and Competencies for Global Leadership 3 Credits

Grading Scheme: Letter Grade

Identifying and developing the personal and professional competencies required for effective leadership in an increasingly global society. International communication is included.

AEC 6426 Development of a Volunteer Leadership Program 3 Credits

Grading Scheme: Letter Grade

Identification, recruitment, training, retention, and supervision of volunteer leaders.

AEC 6501 Developing and Conducting Needs Assessments in Extension Settings 3 Credits

Grading Scheme: Letter Grade

This course is intended to help educators in the field of extension and other non-formal education organizations: (a) acquire an understanding of needs assessments from theory to practice and (b) strengthen or develop their skills in planning and conducting needs assessments within extension settings.

AEC 6512 Program Development in Extension Education 3 Credits

Grading Scheme: Letter Grade

Concepts and processes drawn from the social sciences that are relevant to the development of extension education programs.

AEC 6540 Agricultural and Natural Resources Communications Theory and Strategies 3 Credits

Grading Scheme: Letter Grade

Communication theory and concepts as they apply to important agricultural/natural resources issues.

AEC 6543 Teaching and Learning Theory: Applications in Agricultural Education 3 Credits

Grading Scheme: Letter Grade

Contemporary and foundational theory and research on teaching and learning.

AEC 6552 Evaluating Programs in Extension Education 3 Credits

Grading Scheme: Letter Grade

Concepts and research drawn from the social sciences relevant to evaluating youth and adult extension programs.

AEC 6611 Agricultural and Extension Adult Education 3 Credits

Grading Scheme: Letter Grade

Concepts and principles related to design, implementation, and evaluation of education programs for adults.

AEC 6704 Extension Administration and Supervision 3 Credits

Grading Scheme: Letter Grade

Principles and practices for effective administration and supervision of the cooperative extension service program at the county and state levels.

AEC 6767 Research Strategies in Agricultural Education and Communication 3 Credits

Grading Scheme: Letter Grade

Application of principles, practices, and strategies for conducting behavioral research in agricultural and natural resource professions.

AEC 6905 Problems in Agricultural and Extension Education 1-3 Credits, Max 8 Credits

Grading Scheme: Letter Grade

For advanced students to select and study a problem related to agricultural and/or extension education.

Prerequisite: consent of department chair.

AEC 6910 Supervised Research 1-5 Credits, Max 5 Credits

Grading Scheme: S/U

Supervised Research

AEC 6912 Nonthesis Research in Agricultural and Extension Education 1-3 Credits, Max 6 Credits

Grading Scheme: Letter Grade

Library and workshop related to methods in agricultural and extension education, including study of research work, review of publications, development of written reports.

**AEC 6932 Special Topics In Agricultural Education and Communication
1-3 Credits**

Grading Scheme: Letter Grade

Explores contemporary and emerging topics in agricultural education and communication.

**AEC 6933 Seminar in Agricultural Education and Communication 1-3
Credits, Max 3 Credits**

Grading Scheme: Letter Grade

Exploration of current topics and trends.

AEC 6940 Supervised Teaching 1-5 Credits, Max 5 Credits

Grading Scheme: S/U

Supervised Teaching

**AEC 6945 Practicum in Agricultural Education and Communication 1-9
Credits, Max 9 Credits**

Grading Scheme: Letter Grade

An individual program whereby students are apprenticed to expert teachers to gain practical experience in a school-based agriscience program.

Prerequisite: Successful completion of all three portions of the Florida Teacher Certification Examination (FTCE) - General Knowledge, Professional Education, and Agriculture 6-12.

AEC 6947 Experiential Learning in Agricultural Education 3 Credits

Grading Scheme: Letter Grade

ocuses on applying experiential learning theory in agricultural education through classroom-based lessons, project-based learning, service learning, guided inquiry, field trips, internships/externships, study abroad and outdoor/adventure learning.

Prerequisite: Graduate standing or consent of instructor.

AEC 6971 Research for Master's Thesis 1-15 Credits

Grading Scheme: S/U

Research for Master's Thesis

AEC 6980 Thesis/Dissertation Proposal Development 3 Credits

Grading Scheme: Letter Grade

Designed to assist students in the preparation of their thesis or dissertation research proposal. Students will submit an acceptable draft of the first three chapters of their thesis/dissertation proposal by the end of the course.

Prerequisite: AEC 6767 or equivalent.

AEC 7979 Advanced Research 1-12 Credits

Grading Scheme: S/U

Research for doctoral students before admission to candidacy. Designed for students with a master's degree in the field of study or for students who have been accepted for a doctoral program. Not appropriate for students who have been admitted to candidacy.

AEC 7980 Research for Doctoral Dissertation 1-15 Credits

Grading Scheme: S/U

Research for Doctoral Dissertation