Agricultural Education (AGED)

Courses

AGED 1001. Orientation to Agricultural and Extension Education. 1 Hour.
Continuation of AFLS 1011, Freshman Orientation, with attention given to sharing of possible solutions to individual problems. Exploration of anticipated collegiate experiences for departmental majors as well as post-graduation opportunities. Student and faculty interaction is stressed. The class meets during the last half of the fall semester twice a week. The class also meets 1 or 2 evenings for up to two hours each time.

AGED 1031. Introduction to Early Field Experience. 1 Hour.
A thirty hour field experience designed to give prospective agricultural education teachers an opportunity to observe and participate in a variety of school settings. Corequisite: AGED 1123.

AGED 1123. Foundations of Agricultural Education. 3 Hours.
A preparatory course evaluating the historical foundations of agricultural education with an introduction to the psychological, sociological and philosophical foundations of education. This course will encourage reflective practice through understanding of educational trends, classroom environment creation and utilization, and effective program planning.

AGED 1133. Lifelong Agricultural Advocacy. 3 Hours.
This course will supply students with the necessary information and skills to evaluate and seek out opportunities and methods for advocating for agricultural industries. This course will equip students with the knowledge and skills to become active agricultural leaders serving at the intersection of policy, consumer engagement, and best agricultural practice.

AGED 2143. Introduction to Agricultural Communications and Leadership. 3 Hours.
A survey of agricultural communications and leadership theories and practices for students in the ACOM and AGLE concentrations and minors and anyone seeking a basic understanding of these disciplines. The course provides an overview of the history, philosophy, and theories of the disciplines and introduces students to career options, skills and practical competencies required of agricultural communicators and leaders.

AGED 3111. Student Management. 1 Hour.
To guide students in the development of realistic, proactive classroom management strategies that establish a safe culture of student learning and academic success.

AGED 3133. Instructional and Presentation Strategies. 3 Hours.
Methods and techniques in teaching agriculture at the secondary level. Lecture 2 hours, laboratory 2 hours per week. Corequisite: Lab component. Prerequisite: AGED 1031.

AGED 3143. Communicating Agriculture to the Public. 3 Hours.
An overview of public communications theory and practices in the agricultural, food, and life sciences with a particular focus on technical writing, public relations and media relations writing, campaign planning, public speaking, and various mass media communication techniques, including print, broadcast, electronic, and social media.

AGED 3153. Leadership Development in Agriculture. 3 Hours.
Identification of styles and roles of leadership; development of leadership techniques and skills required in working with organizations; dynamics of group action; methods of resolving conflict; ethical considerations for leaders; and personal skills development.

AGED 3153H. Honors Leadership Development in Agriculture. 3 Hours.
Identification of styles and roles of leadership; development of leadership techniques and skills required in working with organizations; dynamics of group action; methods of resolving conflict; ethical considerations for leaders; and personal skills development. Prerequisite: Junior standing.
This course is equivalent to AGED 3153.

AGED 3161L. Curriculum Development and Assessment Techniques in Career and Technical Education Laboratory. 1 Hour.
To supply students with opportunities to apply skills in creating curricula, lesson plans, and assessment strategies for courses in career and technical education. Materials created as a result of this course will apply principles learned in AGED 3162, and will align with anticipated courses to be taught by the student during his/her teaching internship.

AGED 3162. Curriculum Development and Assessment Techniques in AGED. 2 Hours.
To supply students with the necessary information and skills to select and apply appropriate teaching techniques, curricula, resources, and assessment strategies when designing a course in career and technical education.

AGED 3173. Research Methods in the Social Sciences. 3 Hours.
This course offers undergraduate students the basics and explanation for appropriate research procedures, data collection, analysis, and reporting. Course objectives to include identifying appropriate components of research works, evaluation of research in social science and creation of research projects. The purpose of the course is to prepare undergraduate students to be better producers and consumers of research in the social sciences.

AGED 3173H. Honors Research Methods in the Social Sciences. 3 Hours.
This course offers undergraduate students the basics and explanation for appropriate research procedures, data collection, analysis, and reporting. Course objectives to include identifying appropriate components of research works, evaluation of research in social science and creation of research projects. The purpose of the course is to prepare undergraduate students to be better producers and consumers of research in the social sciences.
This course is equivalent to AGED 3173.

AGED 3243. Ag Reporting and Feature Writing. 3 Hours.
This course will provide students an exposure to writing, interviewing, and editing news on agricultural issues in agricultural industry publications. Students will gain practical experience with journalistic interviewing, news writing, feature writing, digital photography, and writing for broadcast on agricultural issues. This course is designed for students with at least six hours of upper division courses. Pre- or Corequisite: JOUR 1033 and lab component.

AGED 3943. Professional Development in Agricultural Communications. 3 Hours.
Overview of professional and technical skills needed to succeed in internships and jobs in the field of agricultural communications.

AGED 4003. Issues in Agriculture. 3 Hours.
Lecture and discussion on local, regional, national and international issues related to agricultural policy, ethics, environment, society, and science. Designed for students with at least six hours of upper division agricultural science courses. Prerequisite: Junior standing.

AGED 400V. Special Problems in Agricultural and Extension Education. 1-6 Hour.
Individual study or research for advanced undergraduates in the field of agricultural and extension education. May be repeated for up to 6 hours of degree credit.

AGED 401V. Special Topics. 1-3 Hour.
Studies of selected topics in agricultural or extension education not covered in other courses. May be repeated for up to 4 hours of degree credit.
AGED 4113. Undergraduate Researchers Improving Student Experience. 3 Hours.
To engage students in the social sciences in action research that serves to solve a problem or answer a question within the student's academic field through scientific inquiry. All students will work with professionals, commonly outside of the university, within their discipline to conduct their action research in order to solve a problem experienced by that professional. Students may work in teams or individually to complete the overall purpose of the course.

AGED 4143. Electronic Communications in Agriculture. 3 Hours.
An overview of communication technology in the agricultural, food and life sciences.

AGED 4153. Survey of Leadership Theory in Agriculture. 3 Hours.
An interdisciplinary analysis of current issues in the practice of leadership in a contemporary and changing society, particularly as they affect agricultural organizations and issues. Discussions of leadership theory, roles of leaders, skills for effective leadership, diversity issues, and followership will challenge students to think critically about leadership, enhance personal leadership performance and potential, and prepare for or expand leadership roles, and to become innovative and productive in dealing with challenges facing agricultural organizations today. Prerequisite: AGED 3153.

AGED 4163. Leadership Analysis Through Film. 3 Hours.
Films are a catalyst* (Clemens, 1999). They make you laugh, cry, cheer, and think. Flamø (2002) stated leadership is best learned in the leadership moment. Moreover, the principles of Andragogy advocate adult learners best learning when there is a practical application of the learning subject. Therefore, this course builds upon the study of leadership theory by allowing students to analyze, reflect, synthesize, and apply leadership theories, models and concepts in the context of film. The course materials encourage students to reflect, synthesize, analyze, and apply the information learned from major leadership theories and apply them to various scenarios and situations demonstrated in selected films. Prerequisite: AGED 3153 or AGED 4153 or graduate standing or instructor consent.

AGED 4211. Teachers as Professionals. 1 Hour.
To expose students to the roles and responsibilities of professional teachers. Students will understand the characteristics common to professionals and apply these to the teaching setting. Real-world examples of “grey-area” situations will allow students to evaluate issues holistically and determine appropriate solutions following the ethical and professional guidelines of the teaching discipline. Additionally, students will prepare resumes and engage in mock interviews to enhance their professional dispositions as they consider employment opportunities.

AGED 4231. Program Development. 1 Hour.
Principles and concepts of leadership, program organization, supervised agricultural experience, and advisory committees. This course is a portion of pre-professional studies required for certification in agricultural education. Prerequisite: AGED 3133.

AGED 4243. Graphic Design in AFLS. 3 Hours.
This course provides students with graphic design and software skills specific to industries in Agriculture, Food, and Life Sciences. Students will learn to use industry-standard software (InDesign, Photoshop, Illustrator, Microsoft Excel, etc.) to prepare text and graphics and package them for use in print production. Prerequisite: AGME 2903 or ISYS 1123 or equivalent.

AGED 4343. Communication Campaigns in Agriculture. 3 Hours.
Students will develop understanding of the principles, practices and applications of social marketing, integrated marketing communications, advertising and public relations as they pertain to developing communication campaign strategies for the agricultural industry. Students will develop a communication campaign for an agricultural company and/or entity focused on a specific product or service. Prerequisite: Junior, senior or graduate status.

AGED 4443. Principles of Technological Change. 3 Hours.
This course introduces a structured approach for dealing with the organizational and human aspects of technology transition, including the key concepts of resistance and change management, organizational change, communications, and processes by which professional change agents influence the introduction, adoption, and diffusion of technological change. This course may be offered as a web-based course. Prerequisite: Junior standing.

AGED 4543. Ag Publications. 3 Hours.
Students produce a magazine through classroom study mirroring a professional magazine staff and are provided an opportunity for their writing, advertisements, photographs and artwork to be published in the magazine. By using computer applications, students integrate various skills including writing, editing and layout in agricultural publications. Prerequisite: JOUR 1033.

AGED 4632. Teaching Diverse Populations in Agriculture and Extension Education. 2 Hours.
This course is designed to provide pre-service teachers of agriculture with an understanding of teaching diverse populations as applied to problems of practice in agricultural and extension education.

AGED 475V. Internship in Agricultural Education. 1-6 Hour.
Scheduled practical field experiences under the supervision of a professional practitioner in off-campus secondary school systems. Emphasis includes classroom preparation, teaching, and student evaluation. Successful completion of a criminal background check required before a student can begin internship. Prerequisite: Admission into Clinical Practice. May be repeated for up to 6 hours of degree credit.

AGED 4843. Principles of Technological Change. 3 Hours.
An examination and analysis of social and economic events leading to the establishment and maintenance of federal, state, county, and local agricultural education programs. Lecture 3 hours per week. Prerequisite: AGME 2123.

AGED 5001. Seminar. 1 Hour.
Presentations and discussion of graduate student research as well as review of current literature and topics of current interest by students and faculty. All graduate students will make at least one formal presentation. Prerequisite: Graduate standing. May be repeated for up to 3 hours of degree credit.

AGED 5013. Advanced Methods in Agricultural Mechanics. 3 Hours.
Emphasis on shop organization and management, courses of study, unit shop instruction, and development of skills in agricultural mechanics.

AGED 5033. Developing Leadership in Agricultural Organizations. 3 Hours.
Organizational concepts of leadership; administrative styles and structures; leadership for boards, committees, governmental bodies, and review of societal and political processes. Prerequisite: Graduate standing.

AGED 5053. Philosophy of Agricultural and Extension Education. 3 Hours.
An examination and analysis of social and economic events leading to the establishment and maintenance of federal, state, county, and local agricultural education programs. Lecture 3 hours per week. Prerequisite: Graduate standing.

AGED 510V. Special Problems. 1-6 Hour.
Individual investigation of a special problem in agricultural education which is not available through regular courses. These will be directed by a member of the graduate faculty. Prerequisite: Graduate standing. May be repeated for up to 6 hours of degree credit.
AGED 5113. Undergraduate Researchers Improving Student Experiences. 3 Hours.
To engage students in the social sciences in action research that serves to solve a problem or answer a question within the student's academic field through scientific inquiry. All students will work with professionals, commonly outside of the university, within their discipline to conduct their action research in order to solve a problem experienced by that professional. Students may work in teams or individually to complete the overall purpose of the course. Prerequisite: AGED 5463 or HESC 5463 or other instructor approved Research Methods course.

AGED 5143. Electronic Communications in Agriculture. 3 Hours.
(Formerly AGED 4143.) An overview of communication technology in the agricultural, food and life sciences. Graduate degree credit will not given for both AGED 4143 and AGED 5143.

AGED 5153. Survey of Leadership Theory in Agriculture. 3 Hours.
(Formerly AGED 4153.) An interdisciplinary analysis of current issues in the practice of leadership in a contemporary and changing society, particularly as they affect agricultural organizations and issues. Discussions of leadership theory, roles of leaders, skills for effective leadership, diversity issues, and followership will challenge students to think critically about leadership, enhance personal leadership performance and potential, and prepare for or expand leadership roles, and to become innovative and productive in dealing with challenges facing agricultural organizations today. Graduate degree credit will not be given for both AGED 4153 and AGED 5153. Prerequisite: AGED 3153.

AGED 5163. Leadership Analysis Through Film. 3 Hours.
(Formerly AGED 4163.) Films are a catalyst (Clemens, 1999). They make you laugh, cry, cheer, and think. Flaum (2002) stated leadership is best learned in the leadership moment. Moreover, the principles of Andragogy advocate adult learners best learning when there is a practical application of the learning subject. Therefore, this course builds upon the study of leadership theory by allowing students to analyze, reflect, synthesize, and apply leadership theories, models and concepts in the context of film. The course materials encourage students to reflect, synthesize, analyze, and apply the information learned from major leadership theories and apply them to various scenarios and situations demonstrated in selected films. Graduate degree credit will not be given for both AGED 4163 and AGED 5163.

AGED 520V. Special Topics in Agricultural and Extension Education. 1-4 Hours.
Topics not covered in other courses or a more intensive study of specific topics in agriculture education. Prerequisite: Graduate standing. May be repeated for degree credit.

AGED 5243. Graphic Design in AFLS. 3 Hours.
(Formerly AGED 4243.) This course provides students with graphic design and software skills specific to industries in Agriculture, Food, and Life Sciences. Students will learn to use industry-standard software (InDesign, Photoshop, Illustrator, Microsoft Excel, etc.) to prepare text and graphics and package them for use in print production. Graduate degree credit will not be given for both AGED 4243 and AGED 5243. Prerequisite: AGME 2903 or ISYS 1123 or equivalent.

AGED 5343. Communication Campaigns in Agriculture. 3 Hours.
(Formerly AGED 4343.) Students will develop understanding of the principles, practices and applications of social marketing, integrated marketing communications, advertising and public relations as they pertain to developing communication campaign strategies for the agricultural industry. Students will develop a communication campaign for an agricultural company and/or entity focused on a specific product or service. Graduate degree credit will not be given for both AGED 4343 and AGED 5343. Prerequisite: Graduate standing.

AGED 5363. Educational Delivery Techniques. 3 Hours.
Students will learn to apply teaching and learning theory in the development of engaging instruction delivered through electronic media. The goal of the course is not to make experts in "programming" or "theory", but rather to prepare students with the knowledge/practical skills necessary to deliver curriculum through various methods. Prerequisite: Graduate standing.

AGED 5443. Principles of Technological Change. 3 Hours.
(Formerly AGED 4443.) This course introduces a structured approach for dealing with the organizational and human aspects of technology transition, including the key concepts of resistance and change management, organizational change, communications, and processes by which professional change agents influence the introduction, adoption, and diffusion of technological change. This course may be offered as a web-based course. Graduate degree credit will not be given for both AGED 4443 and AGED 5443.

AGED 5463. Research Methodology in the Social Sciences. 3 Hours.
Logical structure and the method of science. Basic elements of research design; observation, measurement, analytic method, interpretation, verification, presentation of results. Applications to research in economic or sociological problems of agriculture and human environmental sciences. Prerequisite: Graduate standing. This course is cross-listed with HESC 5463.

AGED 5473. Interpreting Social Data in Agriculture. 3 Hours.
The development of competencies in analyzing, interpreting and reporting the results of analyses of social science data in agriculturally related professions. Students will select appropriate analysis techniques and procedures for various problems, analyze data, and interpret and report the results of statistical analyses in narrative and tabular form.

AGED 5483. Technical Communication in the Social Sciences. 3 Hours.
This course will provide students with the basic principles and techniques in communicating social science information relevant to human subject research in agriculture, natural resources, and life sciences to the general public. Communication processes covered in the course include audience identification, writing, editing, and production of social science-based materials for popular and refereed publications. Focus will also be placed on thesis preparation and writing and research manuscript development and dissemination of social science research. Web delivered course. Prerequisite: Graduate standing.

AGED 550V. College Teaching in Agriculture and Related Disciplines. 1-3 Hour.
For students who are pursuing graduate degrees where emphasis is on preparation for a research career, but who also may desire or expect to teach. Provides theory and practice in planning and executing a college-level course.

AGED 5543. Ag Publications. 3 Hours.
(Formerly AGED 4543.) Students produce a magazine through classroom study mirroring a professional magazine staff and are provided an opportunity for their writing, advertisements, photographs and artwork to be published in the magazine. By using computer applications, students integrate various skills including writing, editing and layout in agricultural publications. Graduate degree credit will not be given for both AGED 4543 and AGED 5543.

AGED 5563. Thesis Proposal Development. 3 Hours.
The purpose of this course is to assist graduate students in the preparation of their thesis research proposal. Students will produce the first three chapters of their thesis by the end of the course. Prerequisite: AGED 5463 or HESC 5463.

AGED 5632. Teaching Diverse Populations in Agricultural and Extension Education. 2 Hours.
(Formerly AGED 4632.) This course is designed to provide pre-service teachers of agriculture with an understanding of teaching diverse populations as applied to problems of practice in agricultural and extension education. Graduate degree credit will not be given for both AGED 4632 and AGED 5632.

AGED 575V. Internship in Agricultural Education. 1-6 Hour.
Scheduled practical field experiences under supervision of a professional practitioner in off-campus secondary school systems. Emphasis includes classroom preparation, teaching, and student evaluation.

AGED 600V. Master's Thesis. 1-6 Hour.
Master's Thesis. Prerequisite: Graduate standing. May be repeated for degree credit.