

# Agricultural Education (AGED)

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## Courses

### AGED 11203. 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. (Typically offered: Fall)

### AGED 31101. 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. Prerequisite: Instructor Consent. (Typically offered: Spring)

### AGED 31303. Instructional and Presentation Strategies. 3 Hours.

Methods and techniques in teaching agriculture at the secondary level. Lecture/laboratory 4 hours per week. Corequisite: Lab component. (Typically offered: Spring)

### AGED 31601. 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 31602, and will align with anticipated courses to be taught by the student during his/her teaching internship. Pre- or Corequisite: AGED 31602. (Typically offered: Fall)

### AGED 31602. 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. (Typically offered: Fall)

### AGED 4000V. 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. (Typically offered: Fall, Spring and Summer) May be repeated for up to 6 hours of degree credit. This course is cross-listed with AGLE 4000V, ACOM 4000V.

### AGED 4010V. Special Topics. 1-3 Hour.

Studies of selected topics in agricultural or extension education not covered in other courses. (Typically offered: Irregular) May be repeated for up to 4 hours of degree credit.

### AGED 41103. 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. (Typically offered: Spring)

### AGED 41203. 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. (Typically offered: Fall)

### AGED 42103. Teachers as Professionals. 3 Hours.

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. This course will also guide students in the development of realistic, proactive classroom management strategies that establish a safe culture of student learning and academic success, a major component of teacher professionalism. Additionally, students will prepare resumes and engage in mock interviews to enhance their professional dispositions as they consider employment opportunities. Prerequisite: Instructor consent. (Typically offered: Spring)

### AGED 42303. Program Development. 3 Hours.

Teachers of agricultural education need an understanding of the skills needed to successfully manage leadership and experiential learning components of the agricultural education model. This course is designed to teach principles and concepts of leadership, program organization, youth organization management, supervised agricultural experience, and advisory committees. This course is a portion of pre-professional studies required for certification in agricultural education. Prerequisite: AGED 31303 and instructor consent. (Typically offered: Spring)

### AGED 44403. 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. (Typically offered: Fall Odd Years)

### AGED 4750V. 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. (Typically offered: Fall, Spring and Summer) May be repeated for up to 6 hours of degree credit.

### AGED 48403. Methods in Agricultural Laboratories. 3 Hours.

Methods and management techniques in all types of agricultural laboratories that may be in a secondary agricultural science program. Emphasis on management of students and facilities, equipment, and materials. Laboratory 6 hours per week. (Typically offered: Spring)

### AGED 50001. Master's 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. (Typically offered: Fall and Spring) May be repeated for up to 3 hours of degree credit.

### AGED 50503. 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. (Typically offered: Spring)

### AGED 5100V. 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. (Typically offered: Fall, Spring and Summer) May be repeated for up to 6 hours of degree credit.

**AGED 51103. 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 54603 or HESC 54603 or other instructor approved Research Methods course. (Typically offered: Spring)

**AGED 5200V. Special Topics in Agricultural and Extension Education. 1-4 Hour.**

Topics not covered in other courses or a more intensive study of specific topics in agriculture education. Prerequisite: Graduate standing. (Typically offered: Irregular) May be repeated for degree credit.

**AGED 54101. Thesis Proposal Development. 1 Hour.**

The purpose of this course is to assist graduate students in the preparation of their thesis or dissertation research proposal. Students will produce the first three chapters of their thesis by the end of the course. Prerequisite: AGED 54603 or HESC 54603. (Typically offered: Spring)

**AGED 54201. Grant Writing. 1 Hour.**

This course provides students with the experience of navigating the research grant writing process, covering the process from idea conception through planning, proposing, receiving, executing grant-funded projects. Students will write an independent grant proposal as a major assignment in this course. Prerequisite: Graduate standing. (Typically offered: Fall)

**AGED 54301. Technical Communication in the Social Sciences. 1 Hour.**

This course focuses on audience identification, writing, editing, formatting and production of social science-based materials for publication. Much of the course content is in the context of developing the findings, conclusions, and recommendations of the master's thesis or other research manuscript. Principles include communicating information relevant to human subject research in agriculture, natural resources, and life sciences to research peers. Course delivery is asynchronous. Prerequisite: Graduate standing. (Typically offered: Spring)

**AGED 54403. 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. Graduate degree credit will not be given for both AGED 44403 and AGED 54403. (Typically offered: Fall Odd Years)

**AGED 54603. 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. (Typically offered: Fall)

This course is cross-listed with HESC 54603.

**AGED 54703. 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. (Typically offered: Fall)

**AGED 54903. Survey Design and Scale Development. 3 Hours.**

This course is designed to provide the expertise required to design and conduct survey research. Students will understand the instruments (scales/questionnaire) used in data collection processes and acquire the statistical skills necessary to develop and test these survey instruments. This course uses both theory and practice. Hands-on training will be provided via SPSS package for data analyses, and Qualtrics will be used for web-based surveys. Prerequisite: 3 hours of graduate level statistics coursework and HESC 54603 or AGED 54603 or instructor consent. (Typically offered: Summer)

This course is cross-listed with HESC 50503.

**AGED 5750V. 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. (Typically offered: Fall, Spring and Summer)

**AGED 59903. Global Horticulture and Human Nutrition to Enhance Community Resilience and Food Security. 3 Hours.**

This course covers three broad areas (Global Horticulture, Sustainable International Development, Human Health and Nutrition) and experts on three campuses created the instruction. The course is intended to be multi-disciplinary, and students should use their contextual knowledge to add to weekly discussions. Prerequisite: Graduate standing. (Typically offered: Spring)

This course is cross-listed with FDSC 59903, HORT 59903.

**AGED 6000V. Master's Thesis. 1-6 Hour.**

Master's Thesis. Prerequisite: Graduate standing. (Typically offered: Fall, Spring and Summer) May be repeated for degree credit.