

# AGRICULTURAL EDUCATION (AGED)

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## **AGED Courses**

### **AGED 2200 Special Problems for Undergraduates (1-3 units)**

Term Typically Offered: F, SP

Prerequisite: Consent of department head.

Individual investigation, research, studies or surveys of selected problems in Agricultural Education. Repeatable up to 6 units. Formerly AGED 200.

### **AGED 2220 Agricultural Youth Conferences (2 units)**

Term Typically Offered: SP

CR/NC

Prerequisite: Consent of instructor.

Problems encountered and practices applied during the annual FFA State Convention. Methods, procedures, and materials adapted for use by the student in developing the committee system to produce conferences, conventions, and workshops of all kinds and sizes. Field trip required. Repeatable up to 6 units. Credit/No Credit grading only. 2 activities. Formerly AGED 220.

### **AGED 2270 Special Topics (1-3 units)**

Term Typically Offered: TBD

Prerequisite: Consent of instructor.

Directed group study of special topics. The Class Schedule will list topic selected. Repeatable up to 6 units. 1 to 3 lectures. Formerly AGED 270.

### **AGED 3303 Agricultural Youth Leadership Development (3 units)**

Term Typically Offered: SP

Prerequisite: Completion of GE Area 1 with grades of C- or better (GE Area A for the 2020-26 catalogs).

Historical, philosophical and social foundations of agricultural education as it relates to the development of youth leadership skills through classroom/laboratory instruction, project-based learning, and involvement in student organizations. Application of integral components in developing a total program of agricultural education. Course may be offered in classroom-based or online format. 2 lectures, 1 activity. Formerly AGED 303.

### **AGED 3350 Early Field Experience in Agriculture Education (1 unit)**

Term Typically Offered: SP

Prerequisite: Completion of GE Area 1 with grades of C- or better (GE Area A for the 2020-26 catalogs).

Observation of the practices and techniques utilized by agriculture teachers in conducting organized instruction in high school classrooms, shops, school farms, and laboratories. Discussion of activities and programs unique to teaching agriculture in California secondary schools. Participation in public schools requires mandated fingerprint clearance. Course offered online only. Half-semester course. 1 seminar. Formerly AGED 350.

### **AGED 4400 Special Problems for Advanced Undergraduates (1-3 units)**

Term Typically Offered: F, SP

Prerequisite: Consent of department head.

Individual investigation, research studies, or surveys of selected problems in Agricultural Education. Repeatable up to 6 units. Formerly AGED 400.

### **AGED 4410 Computer Applications in Agricultural Education (1 unit)**

Term Typically Offered: SP

Prerequisite: Completion of GE Area 1 with grades of C- or better (GE Area A for the 2020-26 catalogs).

Use of computer technology to address professional demands in a variety of agricultural education situations. Use of computer applications as tools for presentations, informational aids, instruction, assessment, and other common purposes. Provide support to industry pre-professionals and pre-service teachers. Course offered online only. Half-semester course. 1 activity. Formerly AGED 410.

**AGED 4421 Agricultural Mechanics (3 units)**

Term Typically Offered: F, SP

Prerequisite: Completion of GE Area 1 with grades of C- or better (GE Area A for the 2020-26 catalogs).

Identification and use of tools and materials, shop safety, tool sharpening and care. Concrete mixes and materials. Simple electric wiring. Metal work, pipe fitting, and basic woodworking. Estimating quantities and costs. Small gas and diesel engines. Requirements to meet safety regulations in laboratory work. 2 lectures, 1 laboratory.

**AGED 4424 Seminar in Agricultural Education (2 units)**

Term Typically Offered: SP

CR/NC

Prerequisite: Admission to the Single Subject Agriculture and Agriculture Specialist programs.

Exploration of critical issues and topics in agricultural education including professionalism, equity and access in agricultural education programs, translanguaging, and media and digital literacies. Field trip required. Credit/No Credit grading only. 2 seminars. Formerly AGED 424.

**AGED 4440 Agriculture Clinical Practice I (3 units)**

Term Typically Offered: F

CR/NC

Prerequisite: Admission to the Single Subject Credential Program.

Clinical experiences involving observation, limited planning, instruction, assessment and reflection. Growth as a professional and participation in other school-related activities in secondary public agriculture classrooms. Credit/No Credit grading only. 3 activities. Formerly AGED 440.

**AGED 4441 Agriculture Clinical Practice II (10 units)**

Term Typically Offered: SP

CR/NC

Prerequisite: AGED 440 or AGED 4440.

Teacher candidates work full-time alongside cooperating teacher in secondary agriculture classroom, engaged in co-planning, co-instructing, and co-assessing. Candidates practice, reflect upon, and receive feedback on teaching skills. Credit/No Credit grading only. Formerly AGED 441.

**AGED 4470 Special Advanced Topics (1-3 units)**

Term Typically Offered: TBD

Prerequisite: Consent of instructor.

Directed group study of special topics for advanced students. The Class Schedule will list topic selected. Repeatable up to 6 units. 1 to 3 lectures. Formerly AGED 470.

**AGED 4471 Special Advanced Laboratory (1-3 units)**

Term Typically Offered: TBD

Prerequisite: Consent of instructor.

Directed group laboratory study of special topics for advanced students. The Class Schedule will list topic selected. Repeatable up to 6 units. 1 to 3 laboratories. Formerly AGED 471.

**AGED 5500 Individual Study in Agricultural Education (1-3 units)**

Term Typically Offered: F, SP

Prerequisite: Consent of department head.

Advanced independent study planned and completed under the direction of a member of the Agricultural Education and Communication faculty. Repeatable up to 6 units. Formerly AGED 500.

**AGED 5501 Professional Seminar in Agricultural Education (1 unit)**

Term Typically Offered: F

Prerequisite: Admission to the Single Subject Agriculture Credential Program.

Orientation to the Master of Agricultural Education program. Current requirements, processes, documentation, and discussion of expectations of pre-professional teacher candidates. Completion of formal documents for credentialing in California. 1 seminar. Formerly AGED 501.

**AGED 5510 Foundations in Agricultural Education & Communication Research (3 units)**

Term Typically Offered: F, SP

Prerequisite: Admission to the Master of Agricultural Education program.

Research methodologies in agricultural education and communication. Quantitative and qualitative research processes. Appropriate methods to address research problems. Enabling students to effectively evaluate, synthesis, and communication of research findings. 3 lectures.

**AGED 5513 Agriculture Specialist Clinical Practice (6 units)**

Term Typically Offered: SP

Prerequisite: Consent of instructor.

Practice and techniques in management and supervision of programs in agricultural education. Relationships among students, staff, community and school groups. Student Future Farmers of America (FFA) program and work-based learning project management. Formerly AGED 513.

**AGED 5520 Program Development in Agricultural Education (3 units)**

Term Typically Offered: SP

Prerequisite: Admission to the Master of Agricultural Education Program.

Approaches to the development of an integrated agricultural education program in the comprehensive high school, based on occupational opportunities and community needs. Philosophy, organization, and administration of programs. Development in curriculum, supervised occupational experience, student leadership such as FFA and summer programs. Course offered online only. 3 seminars. Formerly AGED 520.

**AGED 5522 Laboratory Pedagogy in Agricultural Technology (3 units)**

Term Typically Offered: F

Corequisite: AGED 524 or AGED 5524.

Organizing agricultural technology laboratory instruction, curriculum, and facilities. Student presentations, assessment, analysis, and evaluation. Field trip required. Not open to students with credit in AGED 523 or AGED 5523. Half-semester course. 2 lectures, 1 activity. Formerly AGED 522.

**AGED 5523 Laboratory Organization and Management in Agricultural Education (3 units)**

Term Typically Offered: SP

Prerequisite: Admission to the Master of Agricultural Education program.

Organizing and managing laboratories, including agricultural mechanics curriculum. Student demonstrations, presentations, assessment, analysis, and evaluation. Course designed for in-service secondary agriculture teachers. Field trip required. Not open to students with credit in AGED 522 or AGED 5522. 3 lectures. Formerly AGED 523.

**AGED 5524 Instructional Processes in Agricultural Education (3 units)**

Term Typically Offered: F

Prerequisite: Admission to the Single Subject Agriculture Credential program. Corequisite: AGED 440 or AGED 4440.

Principles of agricultural teaching methods and developmentally-appropriate pedagogy. Daily and unit lesson plans incorporating content, teaching methods, and assessing learners. Accommodations for English learners and students with special needs. Class demonstrations in teaching procedures, analysis, assessment and reflection. Half-semester course. 2 lectures, 1 activity. Formerly AGED 524.

**AGED 5530 Developing FFA and Supervised Agricultural Experience Programs in Secondary Education (3 units)**

Term Typically Offered: TBD

Prerequisite: Senior or graduate standing.

Integrating FFA and supervised agricultural experience programs into curriculum. Career development event implementation; officer and committee training; recruitment; retention; retreat and leadership training. Current initiatives and experiential learning opportunities in the workplace and entrepreneurial settings. Course may be offered in classroom-based or online format. 3 lectures. Formerly AGED 530.

**AGED 5536 Teaching Agriculture in Higher Education (3 units)**

Term Typically Offered: F

Prerequisite: Graduate standing.

Selection and use of teaching strategies, methods/approaches, and techniques when planning, delivering, and evaluating instruction. Intended for graduate students interested in pursuing a faculty position in agriculture, as well as other disciplines in higher education. Course may be offered in classroom-based or online format. 3 seminars. Formerly AGED 536.

**AGED 5539 Graduate Internship in Agricultural Education and Communication (1-6 units)**

Term Typically Offered: F, SP

Prerequisite: Consent of instructor.

Application of theory to the solution of problems of agricultural production or related business in the field of Agricultural Education and Communication. Analyze specific management problems and perform general management assignments detailed in a contract between the student, the firm or organization, and the faculty advisor before the internship commences. Repeatable up to 6 units. Formerly AGED 539.

**AGED 5540 Instructional Planning in Agriculture (1 unit)**

Term Typically Offered: SU

Prerequisite: AGED 524 or AGED 5524.

Prior to the first day of teaching agriculture, develop a plan for delivery of instruction in a program of agriculture in a K-14 educational setting. Instructional strategies will address the statewide Quality Criteria for Programs of Instruction in Agriculture. Formerly AGED 540.

**AGED 5570 Special Advanced Topics (1-3 units)**

Term Typically Offered: TBD

Prerequisite: Graduate standing and consent of instructor.

Directed group study of special topics for advanced students. The Class Schedule will list topic selected. Repeatable up to 9 units. 1 to 3 seminars. Formerly AGED 570.

**AGED 5571 Special Advanced Laboratory (1-3 units)**

Term Typically Offered: TBD

Prerequisite: Graduate standing and consent of instructor.

Directed group laboratory study of special topics for advanced students. The Class Schedule will list topic selected. Repeatable up to 6 units. 1 to 3 laboratories. Formerly AGED 571.

**AGED 5572 Topics for Teaching Methods in Agriculture, Forestry, and Natural Resource Pathways (3 units)**

Term Typically Offered: TBD

Prerequisite: Graduate standing.

Topics for advanced students in teaching Agriculture, Forestry, and Natural Resources pathways in secondary education. The Class Schedule will list subtitle selected. Repeatable up to 9 units. 3 lectures. Formerly AGED 572.

**AGED 5580 Special Problems in Agricultural Education (1-3 units)**

Term Typically Offered: F, SP

Prerequisite: Consent of department head.

Individual study of modern issues and problems conducted through research, planning and development. Field problems and in-service study in the agriculture industry encouraged. Final written report required. Repeatable up to 9 units. Formerly AGED 580.

**AGED 5581 Graduate Seminar in Agricultural Education (3 units)**

Term Typically Offered: F, SU

Prerequisite: Graduate standing.

Group study of selected developments, trends and issues in the field of Agricultural Education. Course may be offered in classroom-based or online format. 3 seminars. Formerly AGED 581.

**AGED 5597 Comprehensive Examination (0 units)**

Term Typically Offered: F, SP, SU

CR/NC

Prerequisite: Admission to the Master of Agricultural Education Program and consent of instructor.

Comprehensive assessment for a non-thesis master's student showing integration of knowledge, critical and independent thinking, and mastery of agricultural education. Written and oral examination. Students should enroll in this course in the final semester of their degree. Credit/No Credit grading only.