AGED—AGRICULTURAL EDUCATION

AGED 102 Introduction to Agricultural Education (2)
Overview of agricultural education career pathways including goals and purposes. Kinds of classes and types of programs. Qualifications essential to success in teaching agriculture. Planned program of studies to meet requirement for teaching agricultural science and related disciplines. 2 lectures.

AGED 200 Special Problems in Agricultural Education (1–4)
Individual investigation, research, studies or surveys of selected problems in Agricultural Communication/Agricultural Education. Total credit limited to 8 units, with a maximum of 4 units per quarter. Prerequisite: Consent of department head.

AGED 220 Agriculture Youth Conferences (2) (CR/NC)
Problems encountered and practices applied during the conduct of 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. Total credit for AGED 220 and AGED 221 limited to 6 units. Credit/No Credit grading only. 2 activities. Prerequisite: Consent of instructor.

AGED 221 Agriculture Youth Conferences (3) (CR/NC)
Problems encountered and practices applied during the conduct of 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. Total credit for AGED 220 and AGED 221 limited to 6 units. Credit/No Credit grading only. 3 activities. Prerequisite: Consent of instructor.

AGED 270 Selected Topics (1–4)
Directed group study of selected topics. The Schedule of Classes will list title selected. Total credit limited to 8 units. 1 to 4 lectures. Prerequisite: Open to undergraduate students and consent of instructor.

AGED 330 FFA and Supervised Agriculture Programs (6)
Implementation processes and operational procedures for initiating, conducting and integrating FFA activities and Supervised Agricultural Experience (SAE) Programs appropriate to community, school and student needs. Demonstration, application and observation of practices and techniques utilized by agriculture instructors in conducting organized classroom, shop, school farm, laboratory and home visit instruction in agriculture, FFA and SAE activities. 3 activities, and supervised work. Prerequisite: AGED 102.

AGED 331 Field Experience in Urban Agricultural Education Programs (3)
Evaluation of agricultural curriculum offerings, leadership development opportunities, experiential learning/project involvement, student demographics, socioeconomic influences, and school environment in urban schools. Visitation to selected agriculture programs in urban centers require travel; alternative assignments may be available. 2 lectures, 1 activity. Prerequisite: AGED 102 and AGED 330.

AGED 339 Internship in Agricultural Education (1–12) (CR/NC)
Selected Agricultural Education students will spend up to 12 weeks with an approved agricultural firm engaged in production or related business. Time will be spent applying and developing production and managerial skills and abilities. Off-campus assignment to a selected cooperating public school. Participation in all phases of agriculture teacher duties and activities including departmental organization and administration. Prior approval and appointment necessary. Total credit limited to 18 units. Credit/No Credit grading only. Prerequisite: LS 230, LS 250.

AGED 431 Student Teaching in Agricultural Education (1–12) (CR/NC)
Off-campus assignment to a selected cooperating public school. Participation in all phases of agriculture teacher duties and activities including departmental organization and administration. Prior approval and appointment necessary. Total credit limited to 18 units. Consent of instructor.

AGED 470 Selected Advanced Topics (1–4)
Directed group study of selected topics for advanced students. Open to undergraduate and graduate students. The Schedule of Classes will list title selected. Total credit limited to 8 units. 1 to 4 lectures. Prerequisite: Consent of instructor.

AGED 471 Selected Advanced Laboratory (1–4)
Directed group laboratory study of selected topics for advanced students. Open to undergraduate and graduate students. The Schedule of Classes will list title selected. Total credit limited to 8 units. 1–4 laboratories. Prerequisite: Consent of instructor.

AGED 481 Developing Digital Presentations for Instruction in Agricultural Education (1)
Directed group study and individualized projects in the design and development of digital presentations in technical agriculture for use in teaching and program public relations. Total credit limited to 3 units. 1 laboratory. Prerequisite: Senior standing.

AGED 482 Teaching Resources and Curriculum Design (1)
Traditional academic and student-centered approaches to gaining resources and curriculum design. Methods of using, and the development of the knowledge and organizational development. 2 lectures, 1 activity. Prerequisite: Completion of GE D4, junior standing.

AGED 490 Computer Applications in Agricultural Education (2)
Development of computer literacy for teaching agriculture. Analysis and specialization of hardware. Instruction in digital technology, TI network systems and software applicable to vocational agriculture. Will be Level I certified, which is required for teaching credential candidates. Prerequisite: AGED 102. Recommended: AGED 330.

AGED 492 Organizing and Teaching K-6 Standards (4)
Objectives, content, techniques, materials, and recent trends of successful application of agricultural literacy and awareness to K-6 grade level standards. Ongoing projects, individual and group, allow for exploration and understanding of agriculture as a theme to teach all of the content areas, as well as assist in understanding the educational standards accompanying each lesson. 4 lectures. Prerequisite: LS 230, LS 250.

AGED 494 Organizing and Teaching Agriculture (3)
Determining course objectives, content, and calendar for use by the teacher in classroom, shop and field instruction while assigned to community schools. Concurrent with student teaching. 3 activities. Prerequisite: AGED 438 and consent of instructor.

AGED 498 Instructional Processes in Agricultural Education (4)
Principles of specific agricultural teaching methods and developmentally appropriate pedagogy. Daily and unit lesson plans that adopt content, teaching methods, and assessment for English Learners and students with special needs. Class demonstrations in teaching procedures, analysis, assessment and reflection. 2 lectures, 2 activities. Prerequisite: AGED 330, EDUC 410, EDUC 412 and EDUC 414 or consent of instructor.

AGED 499 Student Teaching in Agricultural Education (6–12) (CR/NC)
Off-campus assignment to a selected cooperating public school. Participation in all phases of agriculture teacher duties and activities including departmental organization and administration. Prior approval and appointment necessary. Total credit limited to 18 units. Consent of instructor.

AGED 514 Student Teaching Practice (3)
Problems encountered and practices applied during student teaching. Methods, procedures and materials adapted for use by the teacher concurrent with student teaching. 2 activities. Prerequisite: Consent of instructor.

AGED 520 Research Methodology in Agricultural Education and Communication (1)
Introduction of the research process and topic selection as it relates to the design and development of the senior project within the Agricultural Sciences major. 1 lecture. Prerequisite: Junior standing.

AGED 541 Senior Project I (1)
Empirical application of the scientific method as it relates to the selection of a project under faculty supervision. Projects typical of problems that graduates must solve in their field of employment. Minimum 30 hours total time. Prerequisite: AGED 460.

AGED 542 Senior Project II (1)
Completion of a project begun in AGED 461 under faculty supervision. Projects typical of problems that graduates must solve in their field of employment. Project results are presented in a formal report. Minimum 30 hours total time. Prerequisite: AGED 461 or consent of instructor.

AGED 582 Teaching Resources and Curriculum Design (1)
Traditional academic and student-centered approaches to gaining resources and curriculum design. Methods of using, and the development of the knowledge and organizational development. 2 lectures, 1 activity. Prerequisite: Completion of GE D4, junior standing.

AGED 590 Computer Applications in Agricultural Education (2)
Development of computer literacy for teaching agriculture. Analysis and specialization of hardware. Instruction in digital technology, TI network systems and software applicable to vocational agriculture. Will be Level I certified, which is required for teaching credential candidates. Prerequisite: AGED 102. Recommended: AGED 330.

AGED 592 Organizing and Teaching K-6 Standards (4)
Objectives, content, techniques, materials, and recent trends of successful application of agricultural literacy and awareness to K-6 grade level standards. Ongoing projects, individual and group, allow for exploration and understanding of agriculture as a theme to teach all of the content areas, as well as assist in understanding the educational standards accompanying each lesson. 4 lectures. Prerequisite: LS 230, LS 250.

AGED 594 Organizing and Teaching Agriculture (3)
Determining course objectives, content, and calendar for use by the teacher in classroom, shop and field instruction while assigned to community schools. Concurrent with student teaching. 3 activities. Prerequisite: AGED 438 and consent of instructor.

AGED 598 Instructional Processes in Agricultural Education (4)
Principles of specific agricultural teaching methods and developmentally appropriate pedagogy. Daily and unit lesson plans that adopt content, teaching methods, and assessment for English Learners and students with special needs. Class demonstrations in teaching procedures, analysis, assessment and reflection. 2 lectures, 2 activities. Prerequisite: AGED 330, EDUC 410, EDUC 412 and EDUC 414 or consent of instructor.

AGED 599 Student Teaching in Agricultural Education (6–12) (CR/NC)
Off-campus assignment to a selected cooperating public school. Participation in all phases of agriculture teacher duties and activities including departmental organization and administration. Prior approval and appointment necessary. Total credit limited to 18 units. Consent of instructor.

AGED 541 Senior Teaching Practicum (3)
Problems encountered and practices applied during student teaching. Methods, procedures and materials adapted for use by the teacher concurrent with student teaching. 2 activities. Prerequisite: Consent of instructor.

AGED 560 Research Methodology in Agricultural Education and Communication (1)
Introduction of the research process and topic selection as it relates to the design and development of the senior project within the Agricultural Sciences major. 1 lecture. Prerequisite: Junior standing.

AGED 5461 Senior Project I (1)
Empirical application of the scientific method as it relates to the selection of a project under faculty supervision. Projects typical of problems that graduates must solve in their field of employment. Minimum 30 hours total time. Prerequisite: AGED 460.

AGED 5462 Senior Project II (1)
Completion of a project begun in AGED 461 under faculty supervision. Projects typical of problems that graduates must solve in their field of employment. Project results are presented in a formal report. Minimum 30 hours total time. Prerequisite: AGED 461 or consent of instructor.

AGED 5470 Selected Advanced Topics (1–4)
Directed group study of selected topics for advanced students. Open to undergraduate and graduate students. The Schedule of Classes will list title selected. Total credit limited to 8 units. 1 to 4 lectures. Prerequisite: Consent of instructor.

AGED 5471 Selected Advanced Laboratory (1–4)
Directed group laboratory study of selected topics for advanced students. Open to undergraduate and graduate students. The Schedule of Classes will list title selected. Total credit limited to 8 units. 1–4 laboratories. Prerequisite: Consent of instructor.

AGED 5481 Developing Digital Presentations for Instruction in Agricultural Education (1)
Directed group study and individualized projects in the design and development of digital presentations in technical agriculture for use in teaching and program public relations. Total credit limited to 3 units. 1 laboratory. Prerequisite: Senior standing.

AGED 5482 Teaching Resources and Curriculum Design (1)
Traditional academic and student-centered approaches to gaining resources and curriculum design. Methods of using, and the development of the knowledge and
skills related to planning, implementation and assessing the high school agriculture curriculum. Organization and management and their relationship to education effectiveness and productivity. 1 lecture. Prerequisite: Senior standing.

AGED 500 Individual Study in Agricultural Education (1–3)
Advanced independent study planned and completed under the direction of a member of the Agricultural Education and Communication faculty. Total credit limited to 6 units. Prerequisite: Consent of department head, graduate advisor and supervising faculty member.

AGED 513 Field Experience–Vocational Agriculture (1–3)
Practice and techniques in management and supervision of vocational agriculture programs. Relationships among students, staff, community and school groups. Budgeting, staffing, records, reporting. Student activities and Future Farmers of America programs. Total credit limited to 6 units. Prerequisite: Prior approval and appointment.

AGED 520 Program Development in Agricultural Education (3)
Development of up-to-date approaches to a total integrated program based on occupational opportunities and community needs. Philosophy, organization and administration of agricultural education programs. Development in such areas as curriculum, supervised occupational experience, Future Farmers of America, and summer programs. 3 seminars. Prerequisite: Senior standing.

AGED 522 Instructional Programs in Agricultural Mechanics (3)
Organizing the vocational agriculture mechanics curriculum and determining course content. Student demonstrations and presentations; evaluation and analysis. 1 seminar, 2 laboratories. Prerequisite: Senior standing.

AGED 525 Organizing Instruction for Growing and Selling Horticulture Products (3)
Skills and techniques of propagation and production of horticulture crops. Scheduling, growing media, construction and use of forcing structures, and plant identification. Marketing plans and promotions. Teaching methods, curriculum development, and identification of resources and materials for horticultural instruction. 3 lectures. Prerequisite: HCS 120 or EHS 230, and senior or graduate standing. Open to agricultural educators or credential students only.

AGED 530 Developing FFA and Supervised Agricultural Experience Programs in Secondary Education (3)
Integrating FFA and supervised agricultural experience programs into the curriculum. Career development event implementation; record book usage; officer and committee training; recruitment; retention; retreat and leadership training. Current national and state initiatives and experiential learning opportunities in the workplace and entrepreneurial settings. 3 lectures. Prerequisite: Senior or graduate standing. Not open to students with credit in AGED 330.

AGED 536 College Teaching in Agriculture (3)
Selection and use of various teaching strategies, methods/approaches, and techniques when planning, delivering, and evaluating instruction. For graduate students interested in pursuing a faculty position in agriculture at post-secondary institutions. 3 seminars. Prerequisite: Graduate standing.

AGED 537 Enhancing Instruction in Agricultural Biology (3)
Teaching methods of important biological concepts using agriculture as the context. Assisting agriculture teachers in identifying proper pedagogical strategies to integrate activities and laboratories into existing agriculture biology courses, including leadership development opportunities and activities. Emphasis on appropriate teaching methods and techniques, curriculum integration and application, and classroom resources. 3 seminars. Prerequisite: AGED 438 or consent of instructor, enrollment in agriculture teaching credential program or MS degree in Agricultural Education, or current agriculture teacher; undergraduate biology course (BIO 111 or equivalent).

AGED 538 Laboratory Integration in Agricultural Education (3)
Teaching important science concepts using agriculture as the context. Assisting current agriculture teachers in identifying proper pedagogical strategies to integrate agriscience activities and laboratories into existing high school agriculture courses. Emphasis on appropriate teaching methods and techniques, curriculum integration and application, and classroom resources. 3 seminars. Prerequisite: BIO 112 or BIO 115 or BIO 161; AGED 438; and either enrollment in MS degree in Agricultural Education or currently teaching agriscience.

AGED 539 Graduate Internship in Agricultural Education (1–9)
Direct group study of selected topics for advanced students. Open to undergraduate and graduate students. The Schedule of Classes will list title selected. Total credit limited to 12 units. 1 to 4 seminars. Prerequisite: Graduate standing or consent of instructor.

AGED 570 Selected Topics in Agricultural Education (1–4)
Directed group study of selected topics for advanced students. Open to undergraduate and graduate students. The Schedule of Classes will list title selected. Total credit limited to 8 units. 1–4 laboratories. Prerequisite: Consent of instructor.

AGED 571 Selected Advanced Laboratory in Agricultural Education (1–4)
Directed group laboratory study of selected topics for advanced students. Open to undergraduate and graduate students. The Schedule of Classes will list title selected. Total credit limited to 8 units. 1–4 laboratories. Prerequisite: Consent of instructor.

AGED 581 Graduate Seminar in Agricultural Education (3)
Group study of selected developments, trends and issues in the field of Agricultural Education. 3 seminars. Prerequisite: Graduate standing or consent of instructor.

AGED 583 Field Experience– Supervised Agricultural Experience (322)
A contract between the student, the firm or organization, and the faculty advisor before the internship commences. Degree credit limited to 6 units. Prerequisite: Consent of internship instructor.