

2011-13 Cal Poly Catalog

Agricultural Education & Communication Department

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. One unit of credit may be allowed for each full week of completed and reported internship. Degree credit limited to 6 units. Credit/No Credit grading only. Prerequisite: Consent of internship instructor.

AGED 400 Advanced 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 404 Agricultural Leadership (3)

Emphasis upon equipping current and prospective leaders in agriculture with the background and skills to achieve their potential. Class members will assess their status as leaders and identify means to improve their effectiveness. Focus on the theoretical underpinnings of human motivation, personal leadership, and

organizational development. 2 lectures, 1 activity. Prerequisite: Completion of GE D4, junior standing.

AGED 410 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 422 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 424 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 438 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 440 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. Credit/No Credit grading only.

AGED 441 Student Teaching Practicum (2)

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 460 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 461 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 462 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 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

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)

Application of theory to the solution of problems of agricultural production or related business in the field of Agricultural Education. 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. Degree credit limited to 6 units. Prerequisite: Consent of internship 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 12 units. 1 to 4 seminars. Prerequisite: Graduate standing or 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 580 Special Problems in Agricultural Education (1–3)

Individual study of modern issues and problems conducted through research, planning and development. Field problems and in-service study in agricultural industry encouraged. Final written report required. Total credit limited to 9 units with not more than 3 units in any one quarter. Prerequisite: Consent of department head, graduate advisor and supervising faculty member.

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.