

Texas A&M University
Agricultural Leadership, Education, and Communications (ALEC)
Graduate Web Based Course Listing

ALEC 601. **Advanced Methods in Agricultural Education.** [Credits: 3] Learning theories; techniques and procedures to enhance the teaching-learning process; methods to evaluate learning.

ALEC 606. **Foundations of Leadership Theory.** (Only every even Spring semesters)
[Credits: 3] Theory and practice of leadership theory foundational to leadership education. Focus on analysis of leadership theories in various professional settings.

ALEC 607. **Youth Leadership Programs.** [Credits: 3]
Methods and procedures of organizing and conducting youth leadership programs in school and non-school settings.
Prerequisite: Professional experience or approval of department head.

ALEC 610. **Principles of Adult Education.** [Credits: 3]
Identification of basic principles motivating adults to learn. Procedures to implement these principles in bringing about changes in adult behavior.
Prerequisite: Professional experience or approval of department head.

ALEC 611. **Advanced Methods in Distance Education.** [Credits: 3]
Course design theory for synchronous and asynchronous instructional methodology; teaching and training models for distance education.

ALEC 612. **Advanced Instructional Design for Online Learning.** [Credits: 3]
Applies learning and teaching theory as the foundation for developing engaging online instruction. Pulls together theory, concepts, and strategies to provide a broad understanding of the fundamentals of online learning from the conceptual stage to the development and delivery stages. Focused on knowledge and skills necessary to create effective online courses, training programs, and learning units.

ALEC 613. **Techniques in eLearning Development and Delivery.** [Credits: 3]
Provides knowledge and skills necessary to develop and deliver effective online courses, training programs, and learning units. Specific topics include: management of eLearning projects, needs assessment and audience analysis, creation and editing of documents, images, audio, and video. Focused on skills to create media for use in an online course.

ALEC 617. **Leadership in Organizational Culture and Ethics.** [Credits: 3]
Integration of organizational culture and ethical theories; implications and role of leaders in organizational culture and ethical situations; critical analysis of organizational culture and ethics in agricultural organizations. Prerequisite: Graduate classification.

ALEC 623. **Survey of Evaluation Strategies for Agriculture.** [Credits: 3]
This course is designed to pull together theory, concepts, and strategies to give students a broad understanding of the fundamentals of evaluation and to arm students with the knowledge and skills necessary to design and administer appropriate and effective evaluations.

ALEC 625. **Program Evaluation and Organizational Accountability.** [Credits: 1 to 3]
Examines the philosophy, methods, and issues of accountability and evaluation necessary to meet expectations of institutional mandates. Special emphasis on analytical tools and performance measures.
Prerequisite: Professional experience or approval of department head.

ALEC 630. **Guidance and Counseling for Rural Youth.** [Credits: 3] Problems of youth with special attention given to rural youth; theories of vocational development reviewed and techniques and procedures developed to help youth make career choices.

ALEC 640. **Methods of Technological Change.** [Credits: 3]

Dynamics of cultural change as theoretical framework for planned technological change; methods of planning and implementing change, its effects and how it can be predicted.

ALEC 644. **The Agricultural Advisor in Developing Nations.** [Credits: 3] Trends, conditions, critical incidents, techniques, roles, and preparation affecting the success of persons desiring to provide technical assistance in projects of agricultural development by serving as agricultural advisors in developing nations, especially in cross cultural settings. Prerequisite: Approval of instructor.

ALEC 681. **Seminar.** [Credits: 1 (offered each semester)] Group study and discussion of current developments in agricultural education; research and legislation as they affect programs in teacher education, agricultural science and related areas of education.

ALEC 695. **Frontiers in Research.** [Credits: 3]

Basic concepts of quantitative and qualitative research; understanding the social science research process; using appropriate methods to address research problems; enabling students to effectively evaluate, consume, and communicate research findings.

ALEC 696. **Qualitative Research Methods.** [Credits: 3]

Overview of qualitative research in agricultural education including conducting a literature review, writing a working hypothesis, keeping methodological and reflexive journals, developing data gathering tools, performing data analysis, ensuring trustworthiness measures, and writing a research manuscript.

Prerequisite: ALEC 690 or 695 and graduate classification.