

COURSE DESCRIPTIONS FOR DDMS PROGRAM

AEC 5060: Public Opinion and Agricultural and Natural Resources Issues

Public opinion measurement and agenda setting. Media treatment, public opinion, and public relations/public information activity on issues affecting agricultural production and trade.

AEC 5454: Leadership Development for Extension and Community Nonprofit Organizations

Application of concepts related to developing leaders for organizing and maintaining extension and community nonprofit organizations.

AEC 5541: Communication and Instructional Technologies in Agricultural and Life Sciences

Planning and production of written and visual instructional and communication materials for programs in agricultural and life sciences. Major instructional project or communication campaign required.

AEC 6210: Designing Education Programs in Agricultural Settings

Engages students in appropriate teaching techniques, curricula and resources. Emphasis placed on instruction in both formal (classroom) and nonformal (extension & outreach) settings.

AEC 6211: Delivering Educational Programs in Agricultural Settings

Focus on delivering educational programs in formal and nonformal settings. Emphasis placed on balancing theoretical and practical development and delivery of educational programs.

AEC 6229: Laboratory Instruction: Theory and Practice

Research and theoretical foundations that underlie the aspects of planning, management, teaching, evaluation, safety, and facility design will be discussed within the context of laboratory instruction.

AEC 6300: Methodology of Planned Change

Processes by which professional change agents influence the introduction, adoption, and diffusion of technological changes. Applicable to those who are responsible for bringing about change.

AEC 6411: Organizational Leadership

This course is designed to examine leadership as it relates to organizations and provide a knowledge base of theories, research and practices necessary for effective organizations. Topics will focus on: organizational leadership, culture, structure, relationships, change, and conflict. This course is designed for all graduate students who are

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interested in positions of leadership within organizations and who want to learn more about making the organizations they lead more effective.

AEC 6426: Developing Volunteer Leadership in Extension and Community Non-profits

Identification, recruitment, training, retention and supervision of volunteer leaders. Specifically, this course will explore the praxis between volunteer leadership models and theories and the practical application of those behaviors to effectively administer and lead a volunteer program in the contexts of extension and community non profits.

AEC 6543: Teaching and Learning Theory: Applications in Agricultural Education and Communication

Contemporary and foundational theory and research on teaching and learning processes with emphasis on applications in agricultural education and communication. Emphasis will be placed upon behavioral, social cognitive, cognitive, information processing, brain-based, constructivist, developmental, motivational, and transformational theories as they apply in contemporary agricultural education and communication settings.

AEC 6552: Evaluating Programs in Extension Education

Concepts and research drawn from the social sciences relevant to evaluating youth and adult extension programs.

AEC 6767: Research Strategies in Agricultural Education and Communication

Application of principles, practices, and strategies for conducting behavioral research in agricultural and natural resource professions.

AEC 6932: Human Dynamics in Leadership

Upon completion of this course, students will have a greater ability for understanding themselves with respect to the complex adaptive systems that they are a part of, the role of influence on the political structures that govern their practice, and how to develop characteristics consistent with learning organizations in the groups they work with. This course will have application for contexts within the fields of Agriculture, Natural Resources, and beyond.

AEC 6932: Statistical Thinking in Behavioral Sciences

This is an introductory course designed to introduce basic fundamentals and statistical procedures to agriscience teachers and extension county faculty. It is designed to assist students in becoming better consumers of agricultural and educational research