



OFFICE OF THE PROVOST AND VICE PRESIDENT FOR ACADEMIC AFFAIRS
700 UNIVERSITY BOULEVARD, MSC 102
KINGSVILLE, TEXAS 78363-8202

GRADUATE CURRICULUM REVISIONS Effective, Fall 2010

DICK AND MARY LEWIS KLEBERG COLLEGE OF AGRICULTURE,
NATURAL RESOURCES AND HUMAN SCIENCES

Department of Agronomy and Resource Sciences

Proposal no. RAMT-08-G-1

RAMT 5390. Advanced Studies in Ranch Management, 3(3-0). **New course.** Material offered is determined by the needs of the students. May be repeated.

Proposal no. RAMT-08-G-2

RAMT 5695. Advanced Problems in Ranch Management, V: 3-6. **New course.** Independent work that may include a laboratory or field problem. Variable credit dependent upon the problem; may be repeated for a total of 3 semester hours of Plan I or 6 semester hours for Plan II or Plan III students. Prerequisite: approval of a faculty member who will supervise the problem.

COLLEGE OF EDUCATION

Department of Educational Leadership and Counseling

Proposal no. EDLC-09-G-01

Modified the Master of Science in Educational Administration degree to include Principalship certification within 36 credit hours.

(These catalog changes also reflect proposals EDLC-09-G-11 and EDLC-09-G-12)

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Glenda Holland, Chair, Department of Educational Leadership and Counseling

Rebecca Davis, Graduate Coordinator, Adult Education

Rhode Hall 143, MSC 223, Extension 4257

Karen Furgerson, Graduate Coordinator, Counseling and Guidance

Rhode 132. MSC 223. Extension 3015.

Ronald F. McKenzie, Graduate Coordinator, Educational Administration

Rhode 130. MSC 223. Extension 2889.

Linda Chaloo, Graduate Coordinator, Instructional Technology

Rhode 141. MSC 223. Extension 2353.

Graduate Faculty: Steve Bain, Michelle Brown, Linda Challoo, Rebecca Davis, Karen Furgerson, Mary E. Green, Glenda Holland, Ronald F. McKenzie, Fred Ponder, La Vonne Fedynich, Elizabeth Ann Wardle

Master of Science degrees permit individuals to major in Guidance and Counseling, Educational Administration and Instructional Technology.

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The Master of Education degree is available in Adult Education.

Certificate programs in conjunction with a Master of Science Degree or post master's work are available in Principalship, Superintendent, and School Counseling.

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Advanced study in Educational Administration provides an opportunity for individuals to prepare for leadership positions in the field of education. Degrees and/or certification are available in Principalship and Superintendent. Included in each course of study is a one-semester supervised internship at an approved public school. All G.P.A., TEXES and research paper requirements for a master's degree apply.

Proposal no. EDLC-09-G-11

Deleted the Master of Arts in Counseling and Guidance degree.

Proposal no. EDLC-09-G-12

Deleted the Master of Arts in Educational Administration degree.

Proposal no. EDLC-09-G-03

EDAD 5302. Elementary and Secondary Curricula, 3(3-0). **Changed course description.** Elementary and secondary school curriculum materials, design, and methods.

Proposal no. EDLC-09-G-06

EDAD 5330. Multicultural Education for Educators, 3(3-0). **Changed course description and deleted prerequisite.** Examines multicultural relations in American society and explores solutions to critical political, social, economic, legal, and cultural problems confronting schools into the twenty-first century.

Proposal no. EDLC-09-G-02

EDAD 5341. School Administration, 3(3-0). **Changed course description.** School systems with emphasis upon decision making and problem solving of school boards, superintendents, principals and teachers to promote student success.

Proposal no. EDLC-09-G-04

EDAD 5342. Principalship, 3(3-0). **Changed course title and description.** Administration and supervision of the elementary and secondary school; shared vision, leadership, organization, faculty functions, qualifications and selection.

Proposal no. EDLC-09-G-10

EDAD 5343. Managing School Resources, 3(3-0). **Changed course title and description.** Administration of the school. Function, organization, physical equipment, campus budgeting, personnel, resource utilization, financial management, and technology use for safe and effective learning environment.

Proposal no. EDLC-09-G-05

EDAD 5382. School Public Relations, 3(3-0). **Changed course description.** Processes and effects of communications between the public schools and their communities to respond to diverse interests and needs, and mobilize resources to promote school success.

Proposal no. EDLC-09-G-07

EDAD 5383. Public School Law, 3(3-0). **Changed course description.** Federal and state legal regulations as they relate to public school administration. Integrity, fairness, and ethics to promote student success.

Proposal no. EDLC-09-G-13

EDCG 5339. Human Growth and Development, 3(3-0). **New course.** An understanding of the processes of human development in individual, familial, cultural, and community contexts, including the following topics: cognitive and personality development; the influence of crisis and trauma on human behavior, psychopathology, addictions and situational factors that affect normal and abnormal behavior, and the facilitation of wellness models for human processes.

FRANK H. DOTTERWEICH COLLEGE OF ENGINEERING

Department of Electrical Engineering and Computer Science

Proposal no. EEEN-09-G-1

EEEN 5321. Digital Computer Design, 3(3-0). **Removed course prerequisite.** Register operations, arithmetic operations, control of operations, memory systems, methods of input and output. Examples of commercial systems, system design of a general purpose computer.

Proposal no. EEEN-09-G-2

EEEN 5324. Control System Synthesis, 3(3-0). **Removed course prerequisite.** Actuators and transducers, static and dynamic accuracy of systems, describing functions, compensation, design of typical control systems.

Proposal no. EEEN-09-G-3

EEEN 5326. Dynamic Systems I, 3(3-0). **Removed course prerequisite.** Mathematical analysis of engineering, dynamic systems. Modeling, simulation, transfer functions, state variables, stability of linear systems.

Proposal no. EEEN-09-G-4

EEEN 5333. Principles of VLSI Circuit Design, 3(3-0). **Removed course prerequisite.** Principles of design and fabrication of microelectronic circuits via Very Large Scale integrated circuitry (VLSI), structured design methods for VLSI systems, use of computer-aided design tools, design projects of small to medium scale integrated circuits.

Proposal no. EEEN-09-G-5

EEEN 5335. Microcomputer Based Design, 3(3-0). **Removed course prerequisite.** Role of microcomputers, register and data manipulation, hardware, memory, input/output, hardware, and software development, algorithmic process.

Proposal no. EEEN-09-G-6

EEEN 5338. Digital and DSP Based Control, 3(3-0). **Removed course prerequisite.** Classical and modern control analysis and design methods and techniques. Topics include discrete control system analysis, sampled data systems, discrete equivalents of continuous systems, design using transform techniques, design using state space methods and the real-time control of dynamic systems using digital computers and micro-controllers.

Proposal no. CSEN-09-G-1

CSEN 5313. Compiler Design, 3(3-0). **Removed course prerequisite.** This course introduces the structure of a compiler and the various techniques used for designing a compiler. Topics include grammars, parsing methods, implementation details and translator writing systems.

Proposal no. CSEN-09-G-2

CSEN 5322. Operating Systems, 3(3-0). **Removed course prerequisite.** Operating systems principles; procedures and their implementation; protection, concurrent, cooperating and communicating processes; storage management; resource allocation; scheduling; file systems; and system design issues.

Department of Industrial Technology

Proposal no. IMEN-08-G-01

IMEN 5301. Industrial Management, 3(3-0). **Added course prerequisite.** Concepts and techniques used by supervisors in industrial settings. Effective supervisory strategies to combat global competition will also be covered. Prerequisite: ITEN 1315 or ITEN 3300 or consent of instructor.

Proposal no. IMEN-09-G-02

IMEN 5335. Industrial Safety and Risk Management, 3(3-0). **Added course prerequisite.** An examination of risk assessment and risk management principles, strategies and concepts as they relate to industrial settings. Also includes an exploration of the tools and techniques that can be used to: (a) assess levels of risk, (b) communicate risk in crisis and non-crisis situations and (c) integrate risk management into business planning and decision making. Industrial safety and health issues will also be addressed. Prerequisite: ITEN 2330 or ITEN 3300 or consent of instructor.