



GRADUATE CURRICULUM REVISIONS
Effective, Fall 2011

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

Department of Agriculture, Agribusiness and Environmental Sciences

Proposal no. RAMT-10-G-01

RAMT 5390. Advanced Studies in Ranch Management. **Change course description and hours.** **V:1-3**

Material offered is determined by the needs of the students. Variable credit dependent upon the topic; may be repeated for a total of 9 semester hours under different topics.

Proposal no. WSCI-10-G-01

WSCI 6392. Models in Wildlife and Natural Resource Sciences. **New course.** **3(3-0)**

Discussion course focuses on a wide variety of mathematical models and their applications in wildlife science. Topics such as assumptions of frequentist and non=parametric statistics, information-theoretic models, occupancy modeling, distance sampling, population viability analyses, multivariate statistics are covered based on specific research needs of the graduate students enrolled in this class.

COLLEGE OF BUSINESS ADMINISTRATION

Department of Management and Marketing

Proposal no. BCOM-10-G-1

BCOM 5310. Professional Communication. **Delete Course.** **3(3-0)**

Theory and practice of professional and managerial communication strategies and skills. Topics covered include speaking, listening and writing skills, report writing and presentation skills and intercultural communication skills.

Proposal no. ECON-10-G-1

ECON 5302. Microeconomic Analysis. **Delete course.** **3(3-0)**

An intensive study of microeconomic theory in both its partial equilibrium and general equilibrium aspects. Topics covered include concepts and techniques of economic analysis; theory of consumer choice; theory of the firm, of capital and interest; theory of markets and exchange; factor price determination and functional income distribution. Prerequisites: 24 semester hours of undergraduate Business Administration including ECON 2301, ECON 2302 and MATH 1325 or equivalent.

Proposal no. ECON-10-G-2

ECON 5304. Macroeconomic Analysis. Delete course. 3(3-0)

Analytical tools of advanced contemporary macroeconomics. Determination of the level of aggregate income; investment, money, interest and prices; wages, prices and employment. Prerequisites: 24 semester hours of undergraduate Business Administration including ECON 2301 and ECON 2302 or equivalent.

Proposal no. ECON-10-G-3

ECON 5320. Foundations of Economics. Delete course. 3(3-0)

An introduction to economic principles, analysis and procedures for graduate students with limited or no academic background in economics or business. The theories of supply and demand, price theory, competition and market structure, market failure and the role of government and other economic issues. Aggregate demand and supply analysis for the determination of output, employment, inflation and economic growth. The role of fiscal and monetary policy.

Proposal no. ECON-10-G-4

ECON 5329. Managerial Economics. Delete course. 3(3-0)

Microeconomic theory applied to managerial decision-making, relating managerial economics to finance and other business disciplines.

Proposal no. ECON-10-G-5

ECON 5349. Special Problems in Economics. Delete course. 3(3-0)

Special studies or internship in economics. May be repeated for credit.

COLLEGE OF EDUCATION AND HUMAN PERFORMANCE

Department of Educational Leadership and Counseling

Proposal no. EDLC-10-G-01

EDLD 6327. Higher Education Administration. New course. 3(3-0)

This course provides an overview of various elements in higher education administration, including an understanding of the role of boards of trustees, presidents, faculty, unions, students, state and federal governments, coordination boards, and accreditation agencies. Focus is on attributes of successful contemporary leadership in higher education.

Proposal no. EDLC-10-G-02

EDLD 6328. Strategic Enrollment Leadership. New course. 3(3-0)

This course focuses on strategic enrollment management, an approach to improving relationships within an institution. It provides a review of principles and practices for leading recruitment, enrollment management and leadership within community colleges, 4-year colleges and universities. Specific attention is given to effective enrollment management and leadership, recruitment, retention, institutional advancement, student service, and targeted communication.

Proposal no. EDLC-10-G-03

EDLD 5310. Professional Orientation and Ethical Practice. **Change course title.** **3(3-0)**
Introduction to the principles, practices and philosophy in the field of Counseling and Guidance, and an exploration of the various work settings where counselors are found. This is an overview of the counseling field and explores historical development as well as professional orientation of counselors and their ethics and responsibilities.

Proposal no. EDLC-10-G-04

EDCG 5324. Assessment. **Change title and description.** **3(3-0)**
Historical perspective concerning the nature and meaning of assessment. Statistical concepts, social and cultural factors related to the assessment and evaluation of individuals, groups, and specific populations, and ethical strategies for selecting, administering and interpreting assessment and evaluation instruments and techniques in counseling.

Department of Health and Kinesiology

Proposal no. EDKN-10-G-02

EDKN 5317. Research in Kinesiology. **Delete course prerequisites.** **3(3-0)**
Introduction to research in Kinesiology.

FRANK H. DOTTERWEICH COLLEGE OF ENGINEERING

Department of Architectural and Civil Engineering

Proposal no. CEEN 09-G-1

CEEN 5303. Advanced Topics in Civil Engineering. **V(1-3)**
Change course description. One or more advanced topics. May be repeated for credit with change in topic.

Proposal no. CEEN-09-G-2

Update program information.

Dazhi Sun, *Graduate Coordinator* (Civil Engineering)
Engineering Complex 376, MSC 194. Extension 2270

Graduate Faculty: Breanna M. Bailey, Mohammed A. Faruqi, Pat Leelani, Joseph O. Sai, Dazhi Sun

Proposal no. CEEN-09-G-3

CEEN 5304. Internship in Civil Engineering. **New course.** V: 1-3

Allows civil engineering graduate students the opportunity to participate in internships with industry, government, and consulting companies in career-based practical activities to broaden the skills obtained through curricular education. Attention will be given to select opportunities where the job training enhances the particular research needs of each student. Credit/ Noncredit.

Proposal no. CEEN-09-G-4

CEEN 5353. Design of Intelligent Transportation Systems. **New course.** 3(3-0)

The use of modern electronics and communication technologies to improve the performance of the transportation system. Basic principles of design intelligent transportation systems for urban and rural areas will be introduced.

Department of Electrical Engineering and Computer Science

Proposal no. EEEN-09-G-4

EEEN 5333. Principles of VLSI Circuit Design. 3(3-0)

Change course description. Remove “prerequisite: EEEN 3338 or equivalent” from EEEN 5333 graduate course description.

Proposal no. EEEN-09-G-6

EEEN 5338. Digital and DSP Based Control. 3(3-0)

Change course description. Remove “prerequisite: EEEN 4354 or consent from instructor” from EEEN 5338 graduate course description.