

MEMORANDUM

7 November 2000

TO: The Academic Deans Council

FROM: Keith Belli, UCCC Chair

RE: Curriculum Change Notice 2

Listed below are curriculum change proposals which have been recommended by the University Committee on Courses and Curricula. Under current procedure, unless notice of question as to approval of any proposal has been communicated by a member of the Academic Deans Council to the Committee's office (5-0831), or the office of the Vice President for Academic Affairs (5-3742) not later than 5:00 p.m., Friday, November 17, 2000, the proposals will be considered to have been approved automatically.

EDUCATION

Add	COE 8163	Spirituality in Counseling. (3) Three hours lecture. Didactic instruction of developmental models and clinical interventions related to the interface of spirituality and counseling. Effective: Summer 2001
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Modify	EDL 8153 TO: EDA 8293	Professional Development of Educational Personnel. Prerequisite: EDL 8143. (Collaborative approaches to processes of individual and group professional development for instructional and non-instructional personnel; ensuring, supporting, enhancing best practices for teaching, learning, school improvement. TO: Professional Development of Educational Personnel (3hours) (Prerequisite: EDL 8143). Collaborative approaches to processes of individual and group professional development for instructional and non-instructional personnel; ensuring, supporting, enhancing best practices for teaching, learning, school improvement. Effective: Fall 2000
Add	EPY 9313	Education Evaluation Methods. (3) Three hours lecture. (Prerequisites: EPY 8214; EDF 9373 or equivalent course work.) Introduction to evaluation contract development procedures, and planning and management of program evaluation in education and related settings. Effective: Fall 2001

ENGINEERING

Modify	ECE 4773/6773 TO: ECE 4413/6413	Digital Signal Processing. (3) (Prerequisites: ECE 3163). Three hours lecture. Discrete-time signals, Z-Transform, Discrete Fourier Transform, digital filter design including IIR, FIR and FFT synthesis. TO: Digital Signal Processing. (3) (Prerequisites: ECE 3163). Three hours lecture. Discrete-time signals, Z-Transform, Discrete Fouier Transform, digital filter design including IIR, FIR and FFT synthesis. Effective: Spring 2001
Delete	ECE 8383	Advanced Digital Signal Processing. (3) (Prerequisite: ECE 4773/6773 or consent of Instructor). Three hours lecture. Hilbert Transform, Cepstrum, homorphic deconvolution. Effective: Spring 2001
Add	ECE 8423	Adaptive Signal Processing. (3) (Prerequisite: ECE 3163 or consent of Instructor). Three hours lecture. Adaptive filtering, theoretical foundation, algorithms, structures, and implementations. Applications are included. Effective: Spring 2001
Add	ECE 8433	Statistical Signal Processing. (3) (Prerequisite: MA 4533/6533 or consent of Instructor). Three hours lecture. Detection theory and design, statistical decisions, Bayes and Neymen-Pearson detection, asymptotic performance, signal processing applications. Effective: Spring 2001

Add	ECE 8443	Pattern Recognition. (3) (Prerequisite: MA 4533/6533 or consent of Instructor). Three hours lecture. Classification, description, and structure of pattern recognition, patterns and feature extractions, engineering approaches including statistical and syntactic, and signal processing applications. Effective: Spring 2001
Add	ECE 8453	Introduction to Wavelets. (3) (Prerequisite: ECE 3163 or consent of Instructor). Three hours lecture. Wavelet-expansion systems, discrete wavelet transform, multiresolution analysis, time-frequency analysis, filter banks and the discrete wavelet transform, wavelet transform, wavelet design, wavelet-based applications. Effective: Spring 2001
Add	ECE 8463	Fundamentals of Speech Recognition. (3) (Prerequisite: ECE 4413/6413 or consent of Instructor). Three hours lecture. Acoustic Phonetics; Linear Prediction; Feature Extraction; Dynamic Programming and Time-Warping; Hidden Markov Models; Statistical Language Modeling; Decision Trees; Introduction to Natural Language Processing; Implementation Issues. Effective: Spring 2001
Add	ECE 8483	Image and Video Coding. (3) (Prerequisite: ECE 8473 or consent of Instructor). Three hours lecture. Intraframe predictive coding, intraframe transform coding, still-image coding standards, motion compensation, video-coding standards, image transmission and error control. Effective: Spring 2001

Delete	EE 8373	Adaptive Signal Processing. (3) (Prerequisite: EE 4773/6773 or consent of Instructor). Three hours lecture. Linear combiners, theory of adaptation with stationary signals, algorithms and structures. Applications included. Effective: Spring 2001
Add	IE 8583	Enterprise Systems Engineering. (3) (Prerequisite: Consent of Instructor). Three hours lecture. Focuses on the design and improvement of an enterprise through the use of engineering tools and methods, based on the systems perspective of industrial engineering. Effective: Spring 2001

FOREST RESOURCES

Add	FO 8163	Nonmarket Forest Values. (3) Three hours lecture. (Prerequisites: FO 4113 or equivalent or consent of Instructor). The course will deal with the valuation of nonmarket, non-timber outputs or amenities derived from the Forest. Effective: Fall 2001
Add	WF 4253/6253	Application of Spatial Technologies to Wildlife and Fisheries Management (3) Two hours lecture. Four hours laboratory weekly. (Prerequisite: Sr. Standing or Consent of Instructor). Practical Application of Global Positioning Systems and Geographic Information Systems to Wildlife and Fisheries Management. Effective: Spring 2001

Add	WF 4373/6373	Pond and Stream Management. (3) 2 hours lecture. 4 hours laboratory alternate weeks. (Prerequisite: Junior or Senior standing or consent of Instructor). Ecological foundations and management techniques for fisheries in small impoundments and streams. Effective: Spring 2001
Add	WF 8223	Management of Impounded River Ecosystems (3) Three hours lecture. (Prerequisites: WF 6313/4313 or equivalent). A survey of guidance and criteria for managing reservoirs and associated riverine environments to enhance fisheries. Focus is on managing fish and their environment. Effective: Spring 2001
Delete	WF 8324	Pond and Stream Management. (3) (Prerequisite: WF 4223/6223). Two hours lecture. Four hours laboratory, alternate weeks. The ecology of freshwater fishes; techniques of aquatic research and related literature. Effective: Spring 2001

PROGRAMS

Add	Software Engineering Certificate	A 15-hour program beyond the B.S. degree administered by the Department of Computer Science Effective: Spring 2001
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All of the proposals were approved with the exception of the following:

Proposals**

{Provost approval 11/17/00}

Dr. George S. Rent
Associate Vice President Academic Affairs

Date

**Please include copies of letters accompanying proposals that are returned to departments.

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