MEMORANDUM

January 18, 2001

TO: The Academic Deans Council

FROM: Keith Belli, UCCC Chair

RE: Curriculum Change Notice 4

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, January 26, 2001***, the proposals will be considered to have been approved automatically.

AGRICULTURE AND LIFE SCIENCES

Add	AEC 8163	Consumers, Producers, and Markets. (3) (Prerequisite: EC 3123). Three hours lecture. Focuses on economic theory related to production, consumption, and markets for products. Extension into market structure, welfare economics, and non-market good will also be discussed. **Effective: Spring 2001**

Delete	AEC 8633	Applied Economic Skills: Simulation. (3) (Prerequisites: AEC 8413, EC 8143, or consent of instructor). Three hours lecture. Focuses on problem solving skills using economic simulation techniques. Emphasis is placed on stochastic and/or dynamic applications. **Effective: Spring 2001**
Delete	AEC 8623	Applied Economic Skills: Mathematical Programming. (3) (Prerequisite: AEC 8413 or consent of instructor). Three hours lecture. Focuses on problem solving skills using mathematical programming techniques. Emphasis is place on advanced linear, nonlinear, and dynamic programming applications. **Effective: Spring 2001**

Add	AEC 8712	Topics in Applied Economics: Production and Supply. (2) (Prerequisites: EC 8163 and EC 8133, or consent of instructor). Two hours lecture. Focuses on applying microeconomic theory to applied production-oriented problems. Emphasis is placed on using analytical tools to empirical data and reporting results. **Effective: Spring 2001**
Add	AEC 8722	Topics in Applied Economics: Marketing and Demand. (2) (Prerequisites: EC 8163 and 8133, or consent of instructor). Two hours lecture. Focuses on problem solving skills using economic simulation techniques. Emphasis is placed on stochastic and/or dynamic applications. **Effective: Spring 2001**

Add	AEC 8733	Topics in Applied Economics: Welfare and Policy Analysis. (3) (Prerequisites: AEC 8712 and AEC 8722, or consent of instructor). Three hours lecture. Focuses on problem solving skills using applied econometrics. Emphasis is placed on applications of welfare economics. **Effective: Spring 2001**

ARTS & SCIENCES

Add	AN 3513	Artifact Analysis. (3) Two hours lecture. Two hours laboratory. Introduction to artifact recognition and analysis, focusing on prehistoric and historic ceramics, stone tools and debris, glass, nails, animal bones, shell, and environmental indicators. **Effective: Fall 2001**

Add	ART 8033	Experimental Animation. (3) (Prerequisites: ART 6873, ART 6763, ART 8043 or consent of instructor). One hour lecture. Four hours laboratory. Course exercises and individual projects extend the technical palette and visual vocabulary of the experimental animator, with emphasis on the maturation of personal vision/aesthetic. **Effective: Spring 2001**
Add	ART 8123	Multimedia Installation and Performance. (3) (Prerequisite: ART 8103 or consent of instructor). One hour lecture. Five hours studio. Coursework relates advanced interactivity concepts in computer-based multimedia to the broader context of performance art and installation for alternate as well as gallery settings. **Effective: Spring 2001**
Add	BIO 4100	Med Tech Clinicals. (3-19) (Prerequisite: consent of instructor). Medical Technology Clinical Internship. **Effective: Spring 2001**

Add	HI 1313	East Asian Civilizations to 1300. (3) Three hours lecture. A survey of China and Japan and their peoples through a multi-disciplinary approach from pre-history until the thirteenth century. **Effective: Fall 2001**
Add	HI 1323	East Asian Civilizations Since 1300. (3) Three hours lecture. A survey of China and Japan and their peoples through a multi-disciplinary approach from 1300 to the present. **Effective: Fall 2001**
Add	PSY 8723	Cognitive Models of Skill. (3) (Prerequisites: Graduate standing). Three hours lecture. Introduction to cognitive modeling, with a focus on computational models of skill acquisition and expert skill (Same as CS 8613). **Effective: Spring 2001**

Modify	SO 2103 TO: SO 3013	Society and the Individual. (3) (Prerequisite: SO 1003). Three hours lecture. A study of the interrelationship between society and the individual. Emphasis is placed on the structural aspects of socialization and the social construction of reality. TO: Society and the Individual. (3) (Prerequisite: SO 1003). Three hours lecture. A study of interrelationship between society and the individual. Emphasis is placed on the structural aspects of socialization and the social construction of reality. **Effective: Fall 2001**

Modify	SO 3223 TO: SO 4803	Social Research Practice. (3) (Prerequisite: SO 3213 or equivalent). Practical application of sociological analysis and methods conducting social research projects. Includes selection of methods and analytical techniques, data collection, ethics, and report writing. TO: Social Research Practice. (3) (Prerequisite: SO 3213 or equivalent). Three hours lecture. Practical application of sociological analysis and methods conducting social research projects. Includes selection of methods and analytical techniques, data collection, ethics, and report writing. **Effective: Fall 2001**

EDUCATION

Delete	RDG 3113	Reading Fundamentals. (3) Three hours lecture. (Prerequisite: Admission to Teacher Education). Fundamentals of teaching reading in the elementary school. **Effective: Summer 2001**

Add	RDG 3113	Foundations of Literacy. (3) (Prerequisite: Admission to Teacher Education). Three hours lecture. Foundations of literacy learning and teaching; emergent literacy. **Effective: Summer 2001**
Delete	RDG 3213	Teaching of Reading. (3) (Prerequisite: RDG 3113). Three hours lecture. Teaching materials and practices in reading in elementary schools. **Effective: Summer 2001**
Add	RDG 3213	Teaching of Literacy. (3) (Prerequisites: RDG 3113). Three hours lecture. Literacy teaching and learning for upper elementary and middle school. **Effective: Summer 2001**

ENGINEERING

| Modify | CS 1013
TO:
CS 1013 | Basic Computer Concepts and Applications. (3) Two hours lecture. Two hours laboratory. Basic concepts of computing using large-scale and microcomputers. Introduction to operating system commands, applications software (word processing, spreadsheets, communications, etc.) and rudimentary BASIC programming. (Credit will be granted for this course and BIS 1013 or BIS 3713.
TO:
Basic Computer Concepts and Applications. (3) Two hours lecture. Two hours laboratory. Basic concepts of computing using large-scale and microcomputers . Introduction to operating system commands, applications software (word processing, spreadsheets, communications, etc.) and rudimentary programming. (Credit will not be granted for this course and BIS 1013 or BIS 3713.) |

Delete	CS 1253	Computer Programming with Pascal. (3) (Prerequisites: MA 1313 or equivalent). Three hours lecture. Two hours laboratory. Problem-solving methods, algorithm development, debugging and documentation in a high-level programming language; applications. (Not recommended to students with credit in CS 1213 or CS 1233 or equivalent.) **Effective: Spring 2001**
Delete	CS 1293	Honors in Computer Science. (3) (Prerequisites: Open through invitation only.). Three hours lecture. Honors section of CS 1253. **Effective: Spring 2001**
Delete	CS 3031	C Programming Laboratory. (1) (Prerequisites: A grade of C or better in either CS 1314 or the equivalent). Two hours laboratory. Introduction to the C programming language; data structuring and file management using the C language; structured program design and testing. **Effective: Spring 2001**

| Modify | CS 3041
TO:
CS 3041 | FORTRAN Programming Laboratory. (1) (Prerequisites: A grade of C or better in either CS 1314 or equivalent). Two hours laboratory. Programming and problem-solving using the FORTRAN programming language; structured program design, debugging and testing, file management techniques.
TO:
FORTRAN Programming Laboratory. (1) (Prerequisite: A grade of C or better in either CS 1233 or equivalent). Two hours laboratory. Programming and problem-solving using the FORTRAN programming language; structured program design, debugging and testing; file management techniques.

Effective: Spring 2001 |

Delete	CS 3051	Lisp Programming Laboratory. (1) (Prerequisites: A grade of C or better in either CS 1314 or the equivalent). Two hours laboratory. Introduction to the LISP programming language; applications of LISP to symbolic manipulation, including artificial intelligence. (Note: No knowledge of artificial intelligence is presumed.) **Effective: Spring 2001**
Delete	CS 3061	Ada Programming Laboratory. (1) (Prerequisites: A grade of C or better in either CS 1314 or the equivalent). Two hours laboratory. Introduction to the ADA programming language including packages and tasking. Practice in writing ADA programs. **Effective: Spring 2001**

| Delete | CS 3081 | Prolog Programming Laboratory. (1) (Prerequisites: A grade of C or better in either CS 1314 or the equivalent). Two hours laboratory. Introduction to the PROLOG programming language including rules, domains, predicates, goals, backtracking, and clauses. Practice in writing PROLOG programs.

Effective: Spring 2001 |

Modify	CS 8413 TO: CS 8413	Visualization. (3) (Prerequisites: CS 4413/6413 and CS 3031). Three hours lecture. Essential algorithms for three-dimensional rendering and modeling techniques; viewing transformations, illumination, surface modeling; methodologies for visualization of scalar and vector fields in three dimensions. TO: Visualization. (3) (Prerequisites: CS 4413/6413). Three hours lecture. Essential algorithms for three-dimensional rendering and modeling techniques; viewing transformations, illumination, surface modeling; methodologies for visualization of scalar and vector fields in three dimensions. **Effective: Spring 2001**

Modify	CS 8433 TO: CS 8433	Advanced Computer Graphics. (3) (Prerequisites: CS 3031 and CS 4413/6413). Three hours lecture. Realistic, three-dimensional image generation; modeling techniques for complex three-dimensional scenes; advanced illumination techniques; fractal surface modeling; modeling and rendering of natural phenomena. TO: Advanced Computer Graphics. (3) (Prerequisites: CS 4413/6413). Three hours lecture. Realistic, three-dimensional image generation; modeling techniques for complex three-dimensional scenes; advanced illumination techniques; fractal surface modeling; modeling and rendering of natural phenomena. **Effective: Spring 2001**

Add	CS 8613	Cognitive Models of Skill. (3) (Prerequisite: Graduate standing). Three hours lecture. Introduction to cognitive modeling, with a focus on computational models of skill acquisition and expert skill (Same as PSY 8723). **Effective: Spring 2001**
Add	ECE 8413	Digital Spectral Analysis. (3) (Prerequisite: ECE 3163 or consent of instructor). Three hours lecture. Spectral estimation problem, classical methods, parametric modeling, statistical estimation, sinusoidal estimation, and high order spectra. Time series applications. **Effective: Spring 2001**
Delete	EE 8363	Digital Spectral Analysis. (3) (Prerequisite: EE 4773/6773 or consent of Instructor). Three hours lecture. Advanced topics in Spectral Analysis. Spectral Estimation including classical autoregressive, moving average, and linear prediction. **Effective: Spring 2001**

Add	GE 3011	Engineering Entrepreneurship Seminar. (1) Two hours seminar. Current topics in engineering entrepreneurship to enable students to better understand the role of the entrepreneur in creating start-up companies and leading young existing companies. **Effective: Spring 2001**

FOREST RESOURCES

Add	WF 4363/6363	Wildlife and Fisheries Administration and Communication. (3) Two hours lecture. Three and one half hours lab, alternate weeks. (Prerequisites: junior standing). Administrative and communicational techniques and skills in the workplace and political environments of wildlife and fisheries organizations. **Effective: Spring 2001**
Add	WF 8113	Scientific Literature and Communication for the Natural Sciences. (3) Two hours lecture. Three hours laboratory. Experience and advanced training in multiple forms of communication useful in the renewable natural resource sciences. **Effective: Spring 2001**

ADDENDUM

Technical Change	EC 8273	Macroeconomics II. (3) (Prerequisites: EC 8173 or equivalent). Primarily for DBA candidates. Examination of the modern macroeconomic synthesis. Studies in dynamic economic growth, rational expectations, monetarism, disequilibrium analysis, and open market economies. TO: Macroeconomics II. (3) (Prerequisites: EC 8173 or equivalent). Three hours lecture. Examination of the modern macroeconomic synthesis. Studies in dynamic economic growth, rational expectations, monetarism, disequilibrium analysis, and open market economies. **Effective: Fall 2001**

All of the proposals were approved with the exception of the following:

Proposals**

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{Provost approval 1/26/01}

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Dr. George S. Rent   Date
Associate Vice President Academic Affairs

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

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