

MEMORANDUM

December 17, 2002

TO: Academic Deans Council

FROM: Dr. Keith L. Belli
UCCC Chair

RE: Change Notice 2

Listed below are curriculum change proposals which have been recommended by the University Committee on Courses and Curricula. Under current procedure, members of the Academic Deans Council may question the approval of these proposals at any time prior to **5:00 p.m.** on January 10, 2003 by contacting the Committee's office (5-0831), or the office of the Vice President for Academic Affairs (5-3742). If no questions have been raised, the proposals will be considered to have been approved automatically.

AGRICULTURE AND LIFE SCIENCES

Delete	HS 2273	Introduction to Hospitality Beverages. (3) Three Hours Lecture. Overview of history, identification and management of hospitality beverages and the venues from which they are served. Effective: Spring 2003
Delete	HS 3273	Beverage Systems Management. (3) Prerequisite: HS 2273 or consent of instructor). Three hours lecture. Operation of hospitality beverage facilities. Includes design, staffing, training, responsible service, procurement, pricing, system controls and marketing. Effective: Spring 2003

ARTS AND SCIENCES

Add GG 8113	<p>Geology I: Processes and Products. (3) Prerequisite: Consent of instructor). Three hours video and online. Principles of physical geology with emphasis on earth materials and processes, rock and mineral identification, and landscape development. Primarily for K-12 science teachers.</p> <p>METHOD OF INSTRUCTION: Z C.I.P. NUMBER: 40.0601 24-CHARACTER ABBREVIATION: Geol I: Proc and Prod</p> <p>Effective: August 2003</p>
Add GG 8123	<p>Geology II: Earth, Time, and Life. (3) (Prerequisite: GG 8113 or consent of instructor). Three hours video and online. Principles of historical geology with emphasis on geological time, earth history, fossils, evolution, and extinction. Primarily for K-12 science teachers.</p> <p>METHOD OF INSTRUCTION: Z C.I.P. NUMBER: 40.0601 24-CHARACTER ABBREVIATION: Geol II: Earth and Time</p> <p>Effective: August 2003</p>

Add GG 8203	<p>Ocean Science. (3) (Prerequisite: GG 8113 or consent of instructor). Three hours video and online. Comprehensive examination of the ocean world, focusing on the topography, physics, chemistry, and circulation of the oceans. Primarily for K-12 science teachers.</p> <p>METHOD OF INSTRUCTION: Z C.I.P. NUMBER: 40.0607 24-CHARACTER ABBREVIATION: Ocean Science</p> <p>Effective: August 2003</p>
Add GG 8233	<p>Environmental Geoscience. (3) (Prerequisite: GG 8113 or consent of instructor). Three hours video and online. Study of current environmental problems associated with the earth science realms: atmosphere, biosphere, hydrosphere, and lithosphere. Primarily for K-12 science teachers.</p> <p>METHOD OF INSTRUCTION: Z C.I.P. NUMBER: 40.0601 24-CHARACTER ABBREVIATION: Environmental Geoscience</p> <p>Effective: August 2003</p>
Add GG 8333	<p>Planetary Science. (3) (Prerequisite: GG 8113 or consent of instructor). Three hours video and online. Examination of mineral matter and geological processes of the moon, the planets, asteroids, comets, and meteorites. Primarily for K-12 science teachers.</p> <p>METHOD OF INSTRUCTION: Z C.I.P. NUMBER: 40.0699 24-CHARACTER ABBREVIATION: Planetary Science</p> <p>Effective: August 2003</p>

<p>Add GG 8613</p>	<p>Hydrology. (3) (Prerequisite: GG 8113 or consent of instructor). Three hours video and online. Investigation of the occurrence, distribution, movement, and chemistry of earth's waters. Emphasis on geological controls of surface and groundwater. Primarily for K-12 science teachers.</p> <p>METHOD OF INSTRUCTION: Z C.I.P. NUMBER: 40.0601 24-CHARACTER ABBREVIATION: Hydrology</p> <p>Effective: August 2003</p>
<p>Add GR 4443</p>	<p>Weather Prediction I. (Prerequisite: GR 1603 or Consent of Instructor). Three hours video and online. Examination of the complexity of weather forecasting. Emphasis on numerical weather prediction, computer models, and mesoscale analysis.</p> <p>METHOD OF INSTRUCTION: Z C.I.P. NUMBER: 45.0701 24-CHARACTER ABBREVIATION: Weather Prediction I</p> <p>Effective: August 2003</p>
<p>Add GR 4453</p>	<p>Weather Prediction II. (Prerequisite: GR 4443 or Consent of Instructor). Three hours video and online. Continuation of GR 4443. Case studies of weather events are used to develop independent weather forecasts. Emphasis on special weather events and places.</p> <p>METHOD OF INSTRUCTION: Z C.I.P. NUMBER: 45.0701 24-CHARACTER ABBREVIATION: Weather Prediction II</p> <p>Effective: August 2003</p>

Add	GR 4663	<p>Satellite Meteorology. (3) (Prerequisite: GR 4603 or consent of instructor). Three hours video and online. Study of the history, operations, and applications of satellites in weather analysis. Theory of meteorological measurements in determinations of atmosphere structure.</p> <p>METHOD OF INSTRUCTION: Z C.I.P. NUMBER: 45.0701 24-CHARACTER ABBREVIATION: Satellite Meteorology</p> <p>Effective: August 2003</p>
Add	GR 4673	<p>Radar Meteorology. (3) (Prerequisite: GR 4603 or consent of instructor). Three hours video and online. Detailed analysis of the use of dopplar radar in weather operations. Emphasis on doppler velocity measurements, clear-air return, and severe storm identification and warning.</p> <p>METHOD OF INSTRUCTION: Z C.I.P. NUMBER: 45.0701 24-CHARACTER ABBREVIATION: Radar Meteorology</p> <p>Effective: August 2003</p>

Add	GR 8113	<p>Meteorology I: Observations. (3) (Prerequisite: Consent of Instructor). Three hours video and online. Principles of meteorology with emphasis on elements, controls, and forecasting of atmospheric phenomena. Concentration on daily weather observations and the movement of weather systems. Primarily for K-12 science teachers.</p> <p>METHOD OF INSTRUCTION: Z C.I.P. NUMBER: 45.0701 24-CHARACTER ABBREVIATION: Met I: Observations</p> <p>Effective: August 2003</p>
Add	GR 8123	<p>Meteorology II: Forecasting and Storms. (3) Prerequisite GR 8113 or consent of instructor. Three hours video and online. Continuation of Meteorology I. Emphasis on the forecasting of daily weather events and on severe weather. Primarily for K-12 science teachers.</p> <p>METHOD OF INSTRUCTION: Z C.I.P. NUMBER: 45.0701 24-CHARACTER ABBREVIATION: Met II: Fore and Storms</p> <p>Effective: August 2003</p>

Add	GR 8553	<p>Research Methods in Geoscience. (3) (Prerequisite: Consent of instructor). Three hours seminar and forum. Defining research problems, formulating hypotheses, collecting data, using analytical techniques, substantiating conclusions for geoscience topics; written and oral presentations of research projects required.</p> <p>METHOD OF INSTRUCTION: S C.I.P. NUMBER: 45.0701 24-CHARACTER ABBREVIATION: Research Methods in Geo</p> <p>Effective: August 2003</p>
Modify	PSY 8363	<p>Personality Appraisal.(3) (Prerequisite: PSY 8323). One hour lecture, two hours practicum. Administration, scoring and interpretation using standard self-report and projective methods of individual personality assessment. Current research is also explored.</p>
To	PSY 8364	<p>Personality Appraisal.(4) (Prerequisites: PSY 8323).Three hours lecture. Two hours laboratory. Administration, scoring and interpretations using standard self-report and projective methods of individual personality assessment. Current research is also explored.</p> <p>Effective: Spring 2003</p>

ENGINEERING

Delete	CHE 4123/6123	<p>Industrial Design. (3) (Prerequisites: CHE 3123, CHE 3213 and MA 3253). Three hours lecture. Concepts of industrial chemical engineering design. Alternative designs, economics, reliability, environmental considerations, risk assessment and safety are emphasized through problems and interaction with resource personnel.</p> <p>Effective: January 2003</p>
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Delete	CHE 4323/6323	<p>High Polymer Theory and Practice. (3) (Prerequisites: CHE 3123, CH 4521, and CH 4523). Two hours lecture. Three hours laboratory. A study of high polymers, covering structures with its relation to physical and chemical properties; polymerization, compounding, processing, and testing of final products.</p> <p>Effective: January 2003</p>
Delete	CHE 4623/6623	<p>Hazardous Waste Incineration: Theory and Practice. (3) Prerequisite: consent of instructor). Three hours lecture. The various unit operations of hazardous waster incineration will be studied with specific attention given to equipment design, reaction kinetics, thermodynamics, legal and social aspects.</p> <p>Effective: January 2003</p>
Delete	CHE 4713/6713	<p>Compound Semiconductor Materials. (3) (Prerequisite: senior standing or consent of instructor. Three hours lecture. Compound semiconductor structure, band theory, heterostructures emphasizing engineering concerns of epitaxial growth, fabrication, characterization, and application in opto-electronic devices.</p> <p>Effective: January 2003</p>
Delete	CHE 4723/6723	<p>Quantum Well Materials. (3) (Prerequisite: CHE 4713/6713 or consent of instructor). Three hours lecture. Fundamentals of potential wells, superlattics, single-coupled-/multiple-quantum well structures and devices. Emphasizing epitaxial growth, fabrication, characterization, and application of devices utilizing quantum confinement.</p> <p>Effective: January 2003</p>

CORE COURSES

FROM: FINE ARTS TO: HUMANITIES	ARC 2313 History of Architecture I. Three hours lecture. A survey of man's effort to mold his environment from prehistory through the Early Middle Ages. Effective: January 2003
FROM: FINE ARTS TO: HUMANITIES	ARC 3313 History of Architecture II. (Prerequisite: ARC 2313). Three hours lecture. Survey of major developments in architecture and city planning from the Fourteenth through the Eighteenth Centuries. Effective: January 2003
FROM: FINE ARTS TO: HUMANITIES	ARC 3323 History of Architecture III. (Prerequisite: ARC 3313). Three hours lecture. Survey of major developments in American architecture and survey of major developments European architecture during the Nineteenth and Twentieth Centuries Effective: January 2003
ADD TO: JUNIOR-SENIOR LEVEL WRITING	ARC 4313 Architectural Theory. (Prerequisite: ARC 3313 or ARC 3323 and consent of instructor). Three hours lecture. A critical investigation of writings that have shaped architectural theory. Effective: January 2003

PROGRAMS

Modify College of Education, Bachelor of Science, Secondary Education with an emphasis in Teaching of Speech.	Changes in the program emphasis name and course requirements. Effective: Spring 2002
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December 17, 2002
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All of the proposals were approved with the exception of the following:

Proposals**

Dr. George Rent
Associate Vice President for Academic Affairs

Date

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