MEMORANDUM

November 29, 2001

TO: Academic Deans Council

FROM: Dr. Keith L. Belli
UCCC Chair

RE: Change Notice 3

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 December 12, 2001 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	AEC 8133	Resource Economics. (3) (Prerequisites: EC 3123 or EC 3333). Three hours lecture. Economic theory as applied to natural resources; emphasis upon theoretical analysis of natural resource use and development. **Effective: Fall 2001**
Delete	AEC 8213	Advanced Agricultural Price Analysis. (3) (Prerequisites: AEC 8113, AEC 8513, and EC 8163 or equivalent). Three hours lecture. The development and the use of economic models for price analysis and forecasting with emphasis on interpretation of economic relationships in agriculture. **Effective: Fall 2001**

Delete	AEC 8223	Spatial Equilibrium Models. (3) (Prerequisite: AEC 8113). Methods of solving problems in inter-regional competition including linear programming and reactive programming **Effective: Fall 2001**
Delete	AEC 8353	Advanced Agricultural Production Economics. (3) (Prerequisite: AEC 8143). Economic theory related to behavior of agricultural producers in a dynamic and uncertain environment and applications of firm-level problem-solving techniques. **Effective: Fall 2001**
Delete	AEC 8453	Advanced Theory of Demand for Agricultural Products. (3) (Prerequisites: AEC 8213, AEC 8113 and AEC 8513). Analysis of the effects of consumer behavior upon marketing firms and upon the demand for agricultural products. **Effective: Fall 2001**
Delete	AEC 8523	Advanced Resource Economic. (3) (Prerequisites: AEC 8133). Three hours lecture. Fall semester. Application of economic theory and analytical procedures to problems of natural resource use and development. **Effective: Fall 2001**
Delete	AEC 8543	Agricultural Policy. (3) (Prerequisites: AEC 4413/6413 and AEC 8113). Identification of problems resulting from technological and economic development, evaluation of effectiveness of public policies as related to economic, political, and social goals emphasizing equity. **Effective: Fall 2001**

Add	AEC 8813	Advanced Production and Risk Analysis. (3) (Prerequisite: Consent of instructor). Three hours lecture. Economic theory and research applications related to production problems with emphasis on risk. **METHOD OF INSTRUCTION**: C **C.I.P. NUMBER**:45.0602 **24-CHARACTER ABBREVIATION**: Adv Prod & Risk Analysis **Effective: Fall 2002**
Add	AEC 8823	The International Economy. (3) (Prerequisite: Consent of instructor). Three hours lecture. Economic theory and analysis of government policies related to international trade with emphasis on the causes and consequences of globalization. **METHOD OF INSTRUCTION**: C **C.I.P. NUMBER**:45.0605 **24-CHARACTER ABBREVIATION**: International Ecomomy **Effective: Fall 2002**
Add	AEC 8833	Environmental and Resources Economics. (3) (Prerequisite: Consent of instructor). Three hours lecture. Economic theory and analysis of government policies related to natural resources and the environment with emphasis on institutional frameworks within which policy decisions are made. **METHOD OF INSTRUCTION**: C **C.I.P. NUMBER**:45.0602 **24-CHARACTER ABBREVIATION**: Envir & Resource Econ **Effective Fall: 2002**

Add AEC 8843	Survey Design and Experimental Economics. (3) (Prerequisite: Consent of instructor). Three hours lecture. An exploration of economists' use of data collection techniques, such as surveys and experiments, with emphasis on analysis of non-market valuation problems. **METHOD OF INSTRUCTION**: C **C.I.P. NUMBER**:45.0602 **24-CHARACTER ABBREVIATION**: Survey Design & Exp Econ **Effective: Fall 2002**
Add GNS 4133/6133	Human Genetics. (3) (Prerequisite: BIO 1504 or consent of instructor). Three hours lecture. Principles of Mendelian and molecular genetics as applied to humans. Description and causes of human genetic diseases and other anomalies. (Same as BIO 4133/6166). **METHOD OF INSTRUCTION**: C **C.I.P. NUMBER**:26.0613 **24-CHARACTER ABBREVIATION**: Human Genetics **Effective: Spring 2002**
Add NTR 8463	Advanced Animal Nutrition. (3) (Prerequisite: NTR 4115/6115 or prior approval from instructor). Two hours lecture. Two hours laboratory. Develop an understanding of nutritional physiology, metabolism, and utilization of nutrients by animal species. **METHOD OF INSTRUCTION**: C **C.I.P. NUMBER**:02.0204 **24-CHARACTER ABBREVIATION**: Adv. Animal Nutrition **Effective: Spring 2002**

ARTS & SCIENCES

Delete	BIO 2203	Dendrology. (3) (Prerequisite: BIO 1203). Two hours lecture. Four hours laboratory and field work. Identification, recognition and morphological characteristics of woody plants. **Effective: Spring 2002**
Add	BIO 4133/6133	Human Genetics. (3) (Prerequisite: BIO 1504 or consent of instructor). Three hours lecture. Principles of Mendelian and molecular genetics as applied to humans. Description and causes of human genetic diseases and other anomalies. (Same as GNS 4133/6166). **METHOD OF INSTRUCTION**: C **C.I.P. NUMBER**:26.0613 **24-CHARACTER ABBREVIATION**: Human Genetics **Effective: Spring 2002**
Modify	EN 4433/6433	Teaching of English as a Second Language. (3) (Prerequisite: EN 4403 or EN 3423 or consent of instructor). Three hours lecture. Methodology of Teaching English as a Second Language, with emphasis upon theory of second language acquisition, teaching techniques, and evaluation of relevant textbooks.
to	EN 4433/6433	Approaches to TESOL. (3) (Prerequisite: EN 4403 or EN 3423 or consent of instructor). Three hours lecture. Methodology of Teaching English as a Second Language, with emphasis upon theory of second language acquisition, teaching techniques, and evaluation of relevant textbooks. **Effective: Spring 2002**

Modify PH 3063	Introduction to Astronomy and Astrophysics. (3) (Prerequisite: Consent of instructor). Three hours lecture. Primarily for majors in physical science, mathematics, and engineering. The study of the solar system, stars, and stellar systems. Includes some observational work.
to PH 3063	Astrophysics. (3) (Co-requisite: PH 3613 or consent of instructor). Three hours lecture. Quantitative treatment of astronomical topics. Stellar evolution, black holes, neutron stars, gamma-ray bursts, Newtonian and relativistic cosmologies, Big Bang. **Effective Spring 2002**
Modify PH 4142/6142	Intermediate Laboratory. (2) (Prerequisite: Junior standing). Six hours laboratory. Experiments in classical and modern physics.
to PH 4143/6143	Intermediate Laboratory. (3) (Prerequisite: Junior standing). Six hours laboratory. Data analysis. Experiments in classical and modern physics. Scientific report writing. **Effective: Spring 2002**

BUSINESS AND INDUSTRY

Add ACC 4203/6203	Accounting Internship. (3) (Prerequisites: Senior standing and approval by the Internship Director prior to the internship). A minimum of eight consecutive weeks consisting of forty hours per week of professional experience in audit, tax and other accounting related areas. **METHOD OF INSTRUCTION**: E **C.I.P. NUMBER**: 52.0301 **24-CHARACTER ABBREVIATION**: Accounting Internship **Effective: Spring 2002**

ENGINEERING

Modify	CS 8843	Complexity of Sequential and Parallel Algorithms. (3) (Prerequisite: CS 8833). Three hours lecture. Complexity of sequential algorithms, theory of complexity parallel algorithms.
to	CS 8843	Complexity of Sequential and Parallel Algorithms. (3) (Prerequisite: CS 4833/6843). Three hours lecture. Complexity of sequential algorithms, theory of complexity, parallel algorithms. **Effective: Spring 2002**

FOREST RESOURCES

Add 2112	FO	Dendrology. (2) (Prerequisite: BIO 1203; Corequisite: FO 2111). Two hours lecture. Introduction to the identification and systematic classification of trees and other woody plants. **METHOD OF INSTRUCTION**: C **C.I.P. NUMBER**: 03.0501 **24-CHARACTER ABBREVIATION**: Dendrology **Effective: Spring 2002**
Add 2111	FO	Dendrology Laboratory. (1) (Corequisite: FO 2112). Four hours laboratory. Field exercises to promote the recognition and identification of trees and other woody plants. **METHOD OF INSTRUCTION**: L **C.I.P. NUMBER**: 03.0501 **24-CHARACTER ABBREVIATION**: Dendrology Lab **Effective: Spring 2002**

Modify	FO 4231/6231	Forest Operations and Harvesting Lab. (1) (Corequisite: FO 4232/6232). Four hours laboratory. Investigative field and laboratory exercises used to complement concepts presented in FO 4232/6232.
to	FO 4231/6231	Forest Operations and Harvesting Laboratory. (1)(Corequisite: FO 3014). Four hours laboratory. Investigative field and laboratory exercises used to complement concepts presented in FO 4232/6232. **Effective: Spring 2002**
Modify	FO 4232/6232	Forest Operations and Harvesting. (2) (Prerequisites: FO 4123/6123, FO 4121/6121, FO 3014; corequisite: FO 4231/6231). Two hours lecture. Study of practical, managerial, and logistic considerations associated with harvesting and other forest operations, as well as their social, environmental and legal influences.
to	FO 4232/6232	Forest Operations and Harvesting. (2) (Prerequisites: FO 3014, FO 4231/6231). Two hours lecture. Study of practical, managerial, and logistic considerations associated with harvesting and other forest operations, as well as their social, environmental and legal influences. **Effective: Spring 2002**

Modify	FO 4452/6452	Remote Sensing Applications. (2) (Corequisite: FO 4451/6452; Prerequisite: FO 4312/6312 and FO 4311/6311 or GR 2313 or consent of instructor). Two hours lecture. An introduction to remote sensing with emphasis on analysis and applications of digital image data in inventory, monitoring, and management of renewable natural resources.
to	FO 4452/6452	Remote Sensing Applications. (2) (Corequisite: FO 4451/6451; Prerequisite: A basic image interpretation or remote sensing course or consent of instructor). Two hours lecture. An introduction to remote sensing with emphasis on analysis and applications of digital image data in inventory, monitoring, and management of renewable natural resources. **Effective Spring 2002**
Modify	FO 4451/6451	Remote Sensing Applications Laboratory. (1) (Corequisite: FO 4452/6452. Prerequisite: FO 4312/6312 and FO 4311/6311 or GR 2313 or consent of instructor). Three hours laboratory. Practical approaches to interpretation of remote sensing data. Emphasis is on computer applications for image analysis.
to	FO 4451/6451	Remote Sensing Applications Laboratory. (1) (Corequisite: FO 4452/6452. Prerequisite: A basic image interpretation or remote sensing course or consent of instructor). Three hours laboratory. Practical approaches to interpretation of remote sensing data. Emphasis is on computer applications for image analysis. **Effective: Spring 2002**

Modify	FO 4471/6471	GIS for Natural Resource Management Laboratory. (1) (Corequisite: FO 4472/6472. Prerequisites: FO 4312/6312 and FO 4311/6311 or GR 2313 or consent of instructor). Three hours laboratory. Computer laboratory exercises that stress development, management, and use of digital geographical data for management of natural resources.
to	FO 4471/6471	GIS for Natural Resource Management Laboratory. (1) (Corequisite: FO 4472/6472. Prerequisites: Junior standing). Three hours laboratory. Computer laboratory exercises that stress development, management, and use of digital geographical data for management of natural resources. **Effective: Spring 2002**
Modify	FO 4472/6472	GIS for Natural Resource Management. (2) (Corequisite: FO 4471/6471. Prerequisites: FO 4312/6312 and FO 4311/6311 or GR 2313 or consent of instructor). Two hours lecture. Introduction to geographic information systems (GIS) with emphasis on collection, encoding, storage, retrieval and analysis of spatial data for use in management of natural resources.
to	FO 4472/6472	GIS for Natural Resource Management. (2) (Corequisite: FO 4471/6471. Prerequisites: Junior standing). Two hours lecture. Introduction to geographic information systems (GIS) with emphasis on collection, encoding, storage, retrieval and analysis of spatial data for use in management of natural resources. **Effective: Spring 2002**

Modify FP 4223/6223 to FP 4223/6223	Furniture Production I. (3) Two hours lecture. Three hours laboratory. The theory of furniture production; materials for furniture; manufacturing machines and their functions; wood machining and sanding; finishing; industrial processes; and marketing. Furniture Production I. (3) (Prerequisite: FP 1130 or Consent of Instructor). Two hours lecture. Three hours laboratory. The theory of furniture production; materials for furniture; manufacturing machines and their functions; wood machining and sanding; finishing; industrial processes; and marketing. **Effective: Spring 2002**
Modify FP 4233/6233 to FP 4233/6233	Furniture Production II. (3) Two hours lecture. Three hours laboratory. General principles of upholstered furniture design; frame construction and analysis; material selection; fasteners; joint construction; and testing standards. Furniture Production II. (3) (Prerequisite: FP 1103 or Consent of Instructor). Two hours lecture. Three hours laboratory. General principles of upholstered furniture design; frame construction and analysis; material selection; fasteners; joint construction; and testing standards. **Effective: Spring 2002**
Add WF 8343	Conceptual Ecology and Natural Resource Management. (3) (Prerequisites: WF 8012 or equivalent or consent of instructor). Three hours lecture. A forum to discuss current literature and theory that advances the study of community ecology and its application to natural resource management. **METHOD OF INSTRUCTION**: C **C.I.P. NUMBER**: 03.0101 **24-CHARACTER ABBREVIATION**: Con Eco & Res Man **Effective: Spring 2003**

Add	WF 8012	Advanced Applied Ecology. (2) One hour lecture. Two hours laboratory. Provides a review in fundamental principles and application of community ecology, with emphasis on professional communication in teaching and research important to natural resource management. **METHOD OF INSTRUCTION**: C **C.I.P. NUMBER**: 03.0101 **24-CHARACTER ABBREVIATION**: Adv Appl Ecol **Effective: Fall 2002**

VETERINARY MEDICINE

Add	CVM 5722	Small Ruminant Production Medicine. (2) (Prerequisite: CVM 5276). Two hours practicum. An elective focused on sheep and goat production. Experience in common surgery/treatment procedures provided. Small ruminant production medicine topics and current literature review discussed. **METHOD OF INSTRUCTION**: E **C.I.P. NUMBER**: 51.2401 **24-CHARACTER ABBREVIATION**: Small Ruminant Prod Med **Effective: Spring 2002**
Delete	CVM 5724	Bovine Nutrition and Records Analysis. (4) Four hours lecture. Phase 2 elective emphasizing bovine nutrition and rumen physiology. DHLA records and beef herd reproductive performance will be analyzed to monitor ruminant health and nutrition. **Effective: Fall 2001**
Delete	CVM 5774	Food Animal Production Medicine. (4) Four hours practicum. An introduction to food animal production medicine. The emphasis of the course will be on herd/flock evaluations and problem resolution. **Effective: Fall 2001**

PROGRAMS

Modify	College of Arts and Sciences, Bachelor of Arts - Anthropology Major	Change in computer literacy requirement. **Effective: Fall 2002**
Modify	College of Forest Resources, Bachelor of Science - Forest Products Major, Building Supply Operations Option	Change in a required course. **Effective: Spring 2002**
Modify	College of Forest Resources, Bachelor of Science - Forest Products Major, Industrial Environmental Operations Option	Change in a required course. **Effective: Spring 2002**
Modify	College of Forest Resources, Bachelor of Science - Forest Products Major, Forest Products Marketing Option	Change in a required course. **Effective: Fall 2002**
Modify	College of Forest Resources, Bachelor of Science - Forest Products Major, Forest Products Technology Option	Change in a required course. **Effective: Spring 2002**
Modify	College of Forest Resources, Bachelor of Science - Forest Products Major, Wood Industries Management Option	Change in a required course. **Effective: Spring 2002**
Modify	College of Forest Resources, Bachelor of Science - Wildlife and Fisheries Science Major, Wildlife Science Option, Fisheries Science Option, and Law Enforcement Option	Change in course requirements.. **Effective Spring 2002**

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

Proposals**

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Dr. George Rent
Associate Vice President for Academic Affairs

Date

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