

MEMORANDUM

February 9, 2009

TO: Academic Deans Council

FROM: Dr. Timothy Chamblee
UCCC Chair

RE: Change Notice 5

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 February 20, 2009 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.

1. COURSE PROPOSALS

ENGINEERING

<p>Modify From: ASE 2113</p> <p>To: ASE 2113</p>	<p>Flight Mechanics I-Performance. (Prerequisite: EM 2413). Three hours lecture. Introduction to general aerodynamics, propulsive and structural considerations of flight mechanics, quasi-steady flight; non-steady flight; maneuvering flight; high performance vehicles.</p> <p>Introduction to Aircraft and Spacecraft Performance. (3). (Prerequisite: ASE 2013 and grade of C or better in MA 1723 and PH 2213). Three hours lecture. Introduction to general aerodynamics, propulsive and structural considerations of flight mechanics, quasi-steady flight; accelerated and maneuvering flight; launch vehicle performance; re-entry</p> <p>Effective: Summer 09</p>
<p>Modify From: ASE 3123</p> <p>To: ASE 3123</p>	<p>Aircraft Attitude Dynamics. (3). (Prerequisites: ASE 2013 and Grade of C or better in EM 2433, credit or registration in EM 3413). Three hours lecture. Longitudinal, directional, and lateral static stability and control; related aerodynamics; maneuvering flight; introduction to dynamic stability and control analysis methods; general equation of unsteady motion.</p> <p>Aircraft Attitude Dynamics. (3). (Prerequisites: ASE 2113 and Grade of C or better in EM 3413). Three hours lecture. Longitudinal, directional, and lateral static stability and control; related aerodynamics; maneuvering flight; introduction to dynamic stability and control analysis methods; general equation of unsteady motion.</p> <p>Effective: Spring 2010</p>

<p>Modify From: ASE 3213</p> <p>To: ASE 3213</p>	<p>Mechanics of Deformable Structures. (3). (Prerequisite: Grade of C or better in EM 3213). Three hours lecture. Introduction to structural materials and loads. Deflection analysis using energy methods, flexibility-based matrix method, and the finite element method. Design effect on deflection and vice versa.</p> <p>Mechanics of Deformable Structures. (3). (Prerequisite: Grade of C or better in EM 3213 and MA 3113). Three hours lecture. Introduction to structural materials and loads. Deflection analysis using energy, flexibility-based matrix, and the finite element methods. Design effect on deflection and vice versa.</p> <p>Effective: Spring 2010</p>
<p>Modify From: ASE 3813</p> <p>To: ASE 3813</p>	<p>Introduction to Orbital Mechanics. (3). (Prerequisites: Grade of C or better in EM 2433 & MA 3253). Three hours lecture. Two-body orbital mechanics; geometry of spatial orbits; fundamental orbits determination; orbital maneuvers; introduction to rendezvous and interplanetary trajectories.</p> <p>Introduction to Orbital Mechanics. (3). (Prerequisites: Grade of C or better in all of EM 2433, MA 3253, and MA 3113). Three hours lecture. Two-body orbital mechanics; geometry of spatial orbits; fundamental orbits determination; orbital maneuvers; introduction to rendezvous and interplanetary trajectories.</p> <p>Effective: Spring 2010</p>
<p>Modify From: EM 3413</p> <p>To: EM 3413</p>	<p>Vibrations. (3). (Prerequisites: Grade of C or better in EM 2433 and MA 3253). Three hours lecture. Fundamentals of free vibration, energy methods; forced and damped vibration, single degree of freedom; two degrees of freedom.</p> <p>Vibrations. (3). (Prerequisites: Grade of C or better in EM 2433, MA 3113, and MA 3253). Three hours lecture. Fundamentals of free vibration, energy methods; forced and damped vibration, single degree of freedom; two degrees of freedom.</p> <p>Effective: Spring 2010</p>

2. DEGREE PROPOSALS

AGRICULTURE & LIFE SCIENCES

Modify Degree: Bachelor of Science Major: Agronomy	Change BIO 1203 to BIO 2113 Insert: “A grade of C or better in required in all courses with the PSS prefix prior to completion of the degree.” in the catalog description. Effective: Fall 09
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ARTS & SCEINCES

Modify Degree: Bachelor of Arts Major: Communication Concentration: Public Relations	Change to catalog description, and required courses. Effective: Fall 09
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ENGINEERING

Modify Degree: Bachelor of Science Major: Aerospace Engineering	Change in required courses. Effective: Summer 09
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FOREST RESOURCES

Modify Degree: Bachelor of Science Major: Wildlife & Fisheries Science Concentration: Conservation Law Enforcement	Change in Biological Science and Wildlife & Fisheries courses. Effective: Summer 09
Modify From: Degree: Bachelor of Science Major: Wildlife & Fisheries Science 1. Concentration: Wildlife Science, and 2. Concentration: Fisheries/Aquaculture Science To: Degree: Bachelor of Science Major: Wildlife & Fisheries Science Concentration: Wildlife & Fisheries Science	Merge two concentration and change required courses. Effective: Summer 09

Delete Degree: Bachelor of Science Major: Wildlife & Fisheries Science Concentration: Fisheries/Aquaculture Science	Delete concentration that was merged with Wildlife Science. Effective: Summer 09
Modify Degree: Bachelor of Science Major: Wildlife & Fisheries Science Concentration: Wildlife Pre-Veterinary Medicine	Change to Pre-Vet concentration to reflect changes made by the College of Veterinary Medicine. Effective: Summer 09
Add Degree: Bachelor of Science Major: Wildlife & Fisheries Science Concentration: Wildlife Veterinary Medicine	Addition of a concentration in Wildlife Veterinary Medicine. Effective: Summer 09

3. AOCE PROPOSALS

ARTS & SCIENCES

HI 1073	Modern US History
PSY 4353	Psychology and the Law

4. TECHNICAL CHANGES

ENGINEERING

From: ECE 4532	CPE Design I. (3). (Prerequisite: CSE 3324 and grade of C or better in ECE 4743, co-registration in GE 3513, and consent of instructor. One hour lecture. Three hours laboratory. Lectures on teaming, project management, engineering standards, economics, and ethical and professional issues. Student must select faculty mentor, perform project design, and present orally.
To: ECE 4532	CPE Design I. (3). (Prerequisite: Grade of C or better in both CSE 3324 and ECE 4743; grade of C or better in either ECE 3434 or ECE 3443; co-registration in GE 3513; and consent of instructor). One hour lecture. Three hours laboratory. Lectures on teaming, project management, engineering standards, economics, and ethical and professional issues. Student must select faculty mentor, perform project design, and present orally.
	Effective: Summer 09

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From:	ECE 4542	CPE Design II. (3). (Prerequisite: Grade of C or better in ECE 4532). One hour lecture. Three hours laboratory. Development of design, teaming, presentation, and entrepreneurial skills. Teams must complete their project designs, and present written and oral results.
To:	ECE 4542	CPE Design II. (3). (Prerequisite: Grade of C or better in both ECE 3434 and ECE 4532). One hour lecture. Three hours laboratory. Development of design, teaming, presentation, and entrepreneurial skills. Teams must complete their project designs, and present written and oral results
		Effective: Summer 09

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

Proposals**

Dr. Jerome A. Gilbert
Associate Vice President for Academic Affairs

Date