

Undergraduate Course Review Committee (UCRC)


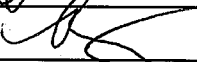
Tuesday, November 7, 2017 at 12:00 – 1:00 PM

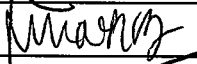
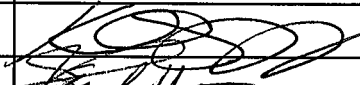
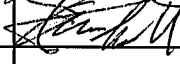
College of Sciences (CSB) 221

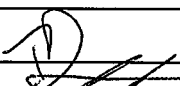
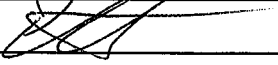
AGENDA

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- I. Welcome and guest introductions
 - II. Confirmation of Quorum
 - III. Approval of October 03, 2017 meeting minutes.
 - IV. New Course Proposal Process-Revision
 - V. Course Action Agenda
 - a. Course Additions
 - b. Course Revisions
 - c. Course Deletions
 - VI. Material and Supplies Fees
 - VII. Adjournment
Next meeting:
Tuesday, November 21, 2017

**UNDERGRADUATE COURSE REVIEW COMMITTEE MEETING
ATTENDANCE SHEET 11/7/17**

Senate Representatives			
Last	First	SIGNATURE	DEPARTMENT
Murphy	Kevin	(PHONE)	Foodservice and Lodging Management
Pinkert	Laurie	Laurie A Pinkert	Writing and Rhetoric
Schulte	Alfons		Physics
Zemliansky	Pavel		Writing and Rhetoric

Faculty Representatives			
Last	First	SIGNATURE	DEPARTMENT
Bai	Yuanli	Bai Yuanli	Mechanical and Aerospace Engineering
Consalo	Karen	Attended	Legal Studies
Duff	Sara		Acquisitions and Collections Services
Filler	Dennis		Civil, Environmental, and Construction
Gelfuso	Andrea		School of Teaching, Learning and Leadership
Kar	Aravinda		Optics and Photonics
Kinchen	Elizabeth	(PHONE)	Nursing
Legron-Rodriguez	Tamra		Chemistry
Samsam	Mohtashem		Biomedical Sciences
Schellhase	Kristen		Health Professions
Tamberelli	Frank		Integrated Business

Ex-Officio Members			
Last	First	SIGNATURE	DEPARTMENT
Covelli	Maureen		Undergraduate Affairs
Dorman	Teresa		Academic and Student Affairs
Dupuis	Martin		Honors College
Hagan	David		Academic Programs

Course Agenda

1. Course Additions

College of Arts and Humanities Course Additions

T-first / Approved 1/28

WST 4XXX

CAH-

1(1,0)

Young Women's Leadership Practicum: PR: ENC 1102 or C.I. Fosters leadership in UCF women by training them to become Big Sister mentors in a one-on-one leadership development program with 7th grade girls. *Occasional.*

Abbrev: (27 of 30 chars) Young Women Leadership Prac

Repeat For Credit: True

Max Times: 4

Rationale: We are able to relate our voluntary efforts through UCF credit and outreach in the community. A designated Signature Experience course.

AML 3XXX

CAH-ENG

3(3,0)

Topics in American Literature: PR: Grade of C (2.0) or better required in ENC 1102 or C.I. Linguistic, literary, and cultural elements of American writing through various time periods and genres. *Occasional.*

Abbrev: (29 of 30 chars) Topics in American Literature

Repeat For Credit: True

Max Times: 2

Rationale: This course will diversify our elective offerings in American Literature, while also allowing us to maximize expertise & interests of our American Literature faculty.

CRW 4XXX

CAH-ENG

3(3,0)

Fantasy and Worldbuilding: PR: Grade of C (2.0) or better in CRW 3120 or C.I. Theory and practice of fantasy writing, with particular emphasis on techniques of worldbuilding *Occasional.*

Abbrev: (25 of 30 chars) Fantasy and Worldbuilding

Rationale: This course will diversify elective offerings; it also fills student interest in and demand for additional courses in genre writing

IDS 4XXX

CAH-ENG

3(3,0)

Scholarly Editing & Publishing: PR: Grade of C (2.0) or better required in ENC 1102 or C.I. Job-related skills in scholarly editing; submission, review, and production practices; and ethical and technological issues in editing. *Occasional.*

Abbrev: (30 of 30 chars) Scholarly Editing & Publishing

Rationale: This course provides hands-on experience in editing and publishing, will be required to support the proposed Interdisciplinary Editing & Publishing Certificate, and will be shared with History faculty, ensuring its interdisciplinarity. (A part of UPCC certificate - new)

ASH 3XXX

CAH-HIST

3(3,0)

History of Mesopotamia: PR: Grade of C (2.0) or better required in ENC 1102 or equivalent, or C.I. Political histories and social developments that arose in Iraq, Syria, and Turkey at the dawn of human history. *Even Spring.*

Abbrev: (22 of 30 chars) History of Mesopotamia

Discussion with others: We consulted with both Philosophy and SVAD and there were no conflicts. Emails attached.

Rationale: This course expands our offerings in ancient history and middle eastern history, adding more diversity in topics.

EUH 3XXX

CAH-HIST

3(3,0)

History of Medieval Spain 1100-1500: PR: Grade of C (2.0) or better required in ENC 1102 or equivalent, or C.I. The political, social, and economic development of Spain from frontier kingdom to global superpower. *Even Spring.*

Abbrev: (28 of 30 chars) His Medieval Spain 1100-1500

Discussion with others: We've discussed with Modern Languages and there are no conflicts. Email attached.

Rationale: This course expands our offering in pre-modern history, covering an important period in European exploration and development as well as the interaction of Christianity, Judaism, and Islam. Complement to EUH 3310: History of Medieval Spain 400-1100.

EUH 3XXXH *(was a number)* **CAH-HIST** *(3180H)* **3(3,0)**

Honors Saints, Sorcerers, and Heretics: Religion in the Medieval World: PR: Consent of Honors. Examines the mixture of superstition, paganism, heresies, Jewish and Muslim communities and the rising Catholic Church that shaped religious life, society and culture in Medieval Europe. With honors content. *Fall.*

Abbrev: (30 of 30 chars) Hon Religion in Medieval World

Rationale: At the request of the Burnett Honors College.

EUH 4XXX

CAH-HIST

3(3,0)

Medieval Knights & Age of Chivalry: PR: Grade of C (2.0) or better required in ENC 1102 or equivalent, or C.I. Dynamics of aristocratic society in high medieval Europe, including: chivalry; castle-building; jousts; the Crusades and military orders; and other social and cultural themes. *Even Fall.*

Abbrev: (29 of 30 chars) Medieval Knights and Chivalry

Discussion with others: We consulted with both English and Modern Languages and there were no conflicts. Emails attached.

Rationale: The course expands our offering in pre-modern history, on an important topic regarding European social and political development.

ITA 2XXXC

CAH-LANG

4(3,1)

Italian for Spanish Speakers: PR: Native Spanish Speaker or C.I. Designed for native speakers of Spanish, uses multilingual pedagogies and intercomprehension between Italian and Spanish, allowing for an accelerated pace of learning. *Occasional.*

Abbrev: (28 of 30 chars) Italian for Spanish Speakers

Rationale: This will strengthen the Italian Program by using multilingual pedagogies, including intercomprehension, to allow Spanish speakers an accelerated path to our upper division courses. Spanish and Italian are structurally similar.

ITA 3XXX **CAH-LANG** **3(3,0)**

Azione! Italian through Film: PR: ITA 2200 or C.I. Applies the linguistic and grammatical principles of Italian through film and television, with an emphasis on modern Italian culture. Taught entirely in Italian. *Occasional*.

Abbrev: (20 of 30 chars) Italian through Film

Discussion with others: We have contacted SVAD - Film and there are no conflicts. Email attached.

Rationale: This course offers an opportunity to study Italian through culturally authentic media, such as film. Similar courses have been created in other MLL languages at UCF with success. With most of our upper division courses being in literature, this course will attract new subsets of students to the Italian Minor.

ITA 3XXX **CAH-LANG** **3(3,0)**

Cucina nostra: Italian through Food: PR: ITA 2200 or C.I. Applies the linguistic and grammatical principles of Italian through the study of food, with an emphasis on modern Italian culture. Taught entirely in Italian. *Occasional*.

Abbrev: (20 of 30 chars) Italian through Food

Rationale: This course strengthens the Italian program by offering a culturally authentic method of studying the language. With most upper division Italian courses being in literature, this course in food will attract new subsets of students to the Italian Minor, including those in the growing tourism and hospitality industries of Central Florida.

College of Engineering and Computer Science Course Additions

EML 4XXXH **ECS-MECH/AERO**

Locomotion and Design in Natural Systems: PR: "C" (2.0) or better in both EGM 3601 and EML 3701; and Permission of Honors College. Locomotion, morphology, and corresponding limitations in natural systems. This course will expose students to topics which explore natural design as it relates to engineering. *Fall*.

Abbrev: (36 of 30 chars) Locomotion and Design in Natural Sys

similar courses in other depts, asked to have syllabus shared w/ committee.

new course

College of Sciences Course Additions

(electronic vote)

ANT 3XXX **COS-ANTHRO**

Race Matters: Anthropological Approaches to Racism: PR: Sophomore Standing. Course explores how the history of racism in the U.S. and other parts of the world strengthens and allows for anthropological study of racism today. *Occasional*.

Abbrev: (12 of 30 chars) RACE MATTERS

Discussion with others: Discussed with Sociology, POL SCI, Philosophy, History, African Studies. No conflict and documentation attached.

email sent 11/08 deadline 11/16 10pm 3(3,0)

* new description will be forwarded from TERESA

Rationale: The topic is one of enduring significance to the social sciences (and society in general) and a course on this topic that draws on Anthropology's unique perspective has been badly needed for many years.

Majors taking course: Anthropology majors/minors, other social sciences

BOT 3XXX **COS-BIOL** **3(3,0)**

Principles of Plant Science: PR: BSC 2011. Introduction to botanical concepts; plant biodiversity, structure and function, growth and development, photosynthesis and water relations and ecology. *Spring, Fall.*

Abbrev: (27 of 30 chars) PRINCIPLES OF PLANT SCIENCE

Discussion with others: None anticipated.

Rationale: This course will be one of the new required courses for the modified Plant Sciences Track in the Biology major and will serve as a prerequisite for many of the upper level courses.

Majors taking course: Biology, Environmental Studies, Interdisciplinary Studies

BOT 4XXXL **COS-BIOL** **2(0,6)**

PLANT MICROTÉCHNIQUES: PR: BOT 4223C or CI. techniques used in the preparation of microscope slides/specimens of vascular plants, including infecting organisms. Emphasis on fixation, embedding, sectioning, staining and interpretation of prepared materials. *Even Spring.*

Abbrev: (21 of 30 chars) PLANT MICROTÉCHNIQUES

Rationale: This hands-on lab course will introduce students to the basics of collecting, fixing, staining, embedding, sectioning or otherwise preparing vascular plant samples for the production of permanent study microscope slides that serve as reference or voucher material specimens for various ecological, morphological, physiological and pathological studies involving plants.

Majors taking course: Biology, Biomedical Science, Nanotechnology

BSC 3XXXC **COS-BIOL** **3(2,1)**

Biological Research Methods and Experimental Design: PR: A grade of "C" or better in both BSC 2011C and STA 2023 and a grade of "C" or better in either PCB 3044 or PCB 3063, permission of Course Instructor. Research methods in biology, with specific focus on critical thinking, scientific skepticism, experimental design, and working with data relevant to biological questions. *Spring, Summer, Fall.*

Abbrev: (33 of 30 chars) BIO RESEARCH METHODS & EXP DESIGN

Rationale: This course provides training in critical thinking and hands-on research skills, content currently lacking from the biology major curriculum.

Majors taking course: Biology majors

PCB 4XXXC **COS-BIOL** **4(2,3)**

Wetland Ecology & Biogeochemistry: PR: Grade "B" or better in PCB 3044 or CI. Examination of wetland ecosystems, laws and policy, current research, global biogeochemical cycles, and relevant field and laboratory techniques. *Even Spring.*

Abbrev: (14 of 30 chars) WTL ECOL & BGC

Discussion with others: None noted

Rationale: This class provides opportunities for upper level undergraduate students to learn about wetland ecology and biogeochemical cycling and gain valuable field and laboratory syllabus.

Majors taking course: Undergraduate Students (Bio, Chem, Physics, Engineering)

ZOO 3XXX **COS-BIOL** **3(3,0)**

ICHTHYOLOGY: PR: A grade of "C" or better in PCB 3063 and PCB 3044 or CI. This course provides an introduction to fish biology and covers (in varying amounts of detail) the following topics: diversity, systematics, functional anatomy, physiology, ecology, evolution and conservation. *Spring.*

Abbrev: (11 of 30 chars) ICHTHYOLOGY

Rationale: This course opens a topic of Fish Biology to our undergraduate majors and fulfills, a need within the Zoology/Pre-vet, and Marine & Aquatic Bio tracks.

Majors taking course: Biology major and minors

PHY 1XXX **COS-PHYS** **3(3,0)**

Household Physics: PR: N.A. A hands-on, exploration-oriented course intended to help non-science major students understand physics involved in everyday items around the house. *Spring.*

Abbrev: (16 of 30 chars) Householdphysics

Rationale: This hands-on, exploration-oriented course will provide students with the intellectual foundation necessary to understand various physical phenomena and the physics involved in everyday items around the house, help them to make informed choices and develop their ability to think critically.

Majors taking course: Non-science major students

PHZ 3XXX **COS-PHYS** **3(3,0)**

The Interaction of Radiation with Matter and its Measurement: PR: PHY 2054 or PHY 2049. Radiation interaction with matter. Ionization chambers. Proportional and Geiger counters. Scintillation and scintillation counters. Semiconductor detectors. Single and Multichannel Analyzers. Gamma ray and neutron detectors. Biological effects. *Fall.*

Abbrev: (35 of 30 chars) RADIATION INTERACTION AND DETECTORS

Discussion with others: Discussed with Biology, Biomedical Sciences, Chemistry. No conflict (documentation attached)

Rationale: To give the opportunity to students to learn physics and technology of radiation detection.

Majors taking course: Elective course in the Physics B.S. degree; not a major requirement.

2. Special Topics Additions (Electronic Note)

College of Health and Public Affairs Special Topics Additions

HSA 2932 **HPA-HMI** **3(3,0)**

Electronic Note: ICHTH
Due to for AIT 3XXX & Special Topics HSA 2932, Yes for all courses

Civic Engagement in the US Healthcare System: PR: None. Students will understand their role and the process, by which healthcare resources are allocated and will analyze the historical and contemporary approaches to healthcare delivery. *Occasional.*

Abbrev: (45 of 30 chars) Civic Engagement in the US Healthcare Systems *HLTHCR*

Discussion with others: Spoke with Suha Saleh and her comments included "It sounds like a good topic".

Rationale: It is important to understand the cultural, political, and economic aspects of healthcare in the US. The US healthcare system has experienced vast and rapid transformation. Through the course, students will understand the process by which healthcare resources are allocated and will analyze the historical and contemporary approaches to healthcare delivery. Through these foundations, the course will highlight how social determinants, innovations, and policies influence health. By developing an understanding of how national, state, and local policies impact healthcare, students will gain insights into how their engagement in the US healthcare system can benefit themselves and their community.

3. Course Revisions

College of Engineering and Computer Science Course Revisions

CES 4205 **Structural Mechanics** **3(3,0)**

PR: EGN 3331C and ~~EGN 3343~~ CGN 3405 both with grades of "C" (2.0) or better.

Advanced mechanics of materials applied to civil structural systems, elasticity, torsion, inelastic bending, failure theory for concrete and soils, compatibility, equilibrium, and energy methods.

Rationale: More closely reflects pre-requisite knowledge necessary for content of the course

Majors taking course: Civil, Construction, Mechanical

There are no programs that list CES 4205.

EAS 3810C **Design of Aerospace Experiments** **3(1,3)**

PR: "C" (2.0) or better in both ~~EAS 3800C~~; 3800C and ~~EAS 3010~~ or EML 3701.

Extension of EAS 3800C. Design of experiments in aeronautic/aerospace systems with emphasis on project team activity.

Term Offered: ~~Odd~~ Fall, Spring

Majors taking course: Aerospace Students

There are 2 programs that list EAS 3810C: Aerospace Engineering (B.S.A.E.), Aerospace Engineering - Accelerated Undergraduate-Graduate Program (B.S.A.E. / M.S.A.E., M.S.M.E. or M.S.BM.E)

EAS 4134 **High-Speed Aerodynamics** **3(3,0)**

PR: "C" (2.0) or better in EAS 3101.

Normal and oblique shock waves, nozzles and wind tunnels, methods of analyzing compressible flow about airfoils, wings, and bodies. Viscous boundary layers and applications to the design process.

Majors taking course: Aerospace Students

There are 2 programs that list EAS 4134: Aerospace Engineering (B.S.A.E.), Aerospace Engineering - Accelerated Undergraduate-Graduate Program (B.S.A.E. / M.S.A.E., M.S.M.E. or M.S.BM.E)

Aerothermodynamics of Propulsion

EAS 4300 **Systems** **3(3,0)**

PR: "C" (2.0) or better in EAS 4134 or EML 4703.

Fundamental analysis and design considerations of propulsion systems. Turbojets, ramjets and rockets.

Majors taking course: Aerospace Students

There are 2 programs that list EAS 4300: Aerospace Engineering (B.S.A.E.), Aerospace Engineering - Accelerated Undergraduate-Graduate Program (B.S.A.E. / M.S.A.E., M.S.M.E. or M.S.BM.E)

EAS 4700C **Aerospace Design I** **3(1,6)**

PR: "C" (2.0) or better in each EGN 3373, EAS 3800C, (~~EAS 3040 or EML 3704~~), 3701, EML 4142, EML 4225, and department consent; CR: EAS 4991.

Application of the design process to the team solution of a state-of-the-art problem. Airplanes and space vehicles, systems and devices are considered.

Majors taking course: Aerospace Students

There are 2 programs that list EAS 4700C: Aerospace Engineering (B.S.A.E.), Aerospace Engineering - Accelerated Undergraduate-Graduate Program (B.S.A.E. / M.S.A.E., M.S.M.E. or M.S.BM.E)

EAS 4710C **Aerospace Design II** **3(1,6)**

PR: EAS ~~4700C~~, 4931 and a "C" (2.0) or better in EAS ~~4934~~, 4700C.

Continuation of the design process in the team building and testing of a prototype/model of an airplane, spacecraft, system or device.

Majors taking course: Aerospace Students

There are 2 programs that list EAS 4710C: Aerospace Engineering (B.S.A.E.), Aerospace Engineering - Accelerated Undergraduate-Graduate Program (B.S.A.E. / M.S.A.E., M.S.M.E. or M.S.BM.E)

EGM 3601 **Solid Mechanics** **3(3,0)**

PR: "C" (2.0) or better in the following MAC 2311C, MAC 2312, MAC 2313, PHY 2048C and EGN 3340; PR: ~~or CR: MAP 2302~~, 3310.

Concepts of stress, strain, deflection; axial force, torsion, bending, combined stress, Mohr's circle, failure theories, design concepts, application to machines and vehicles.

Discussion with others: none

Majors taking course: Mechanical and Aerospace Students

There are 5 programs that list EGM 3601: Mathematics (B.S.), Aerospace Engineering (B.S.A.E.), Mechanical Engineering (B.S.M.E.), Mechanical Engineering - Accelerated Undergraduate-Graduate Program (B.S.M.E. / M.S.M.E., M.S.M.S.E., M.S.A.E. or M.S.BM.E), Aerospace Engineering - Accelerated Undergraduate-Graduate Program (B.S.A.E. / M.S.A.E., M.S.M.E. or M.S.BM.E)

EGM 3601H **Honors Solid Mechanics** **3(3,0)**

PR: with a grade of "C" or better (2.0) or better in each of the following MAC 2311C, MAC 2312, MAC 2313, PHY ~~2048C~~ 2048C, EGN 3310 and ~~EGN 3340~~; CR: ~~MAP 2302~~. Permission of Honors College.

Concepts of stress, strain, deflection, axial force, energy, torsion, bending, buckling, combined stress/strain, Mohr's circles, failure theories; design concepts, application to machines and

vehicles. With Honors ~~content~~ content.

Term Offered: ~~Fall~~, Spring

Discussion with others: Is there commitment to offer this course fall and spring? It was not scheduled as such this year.

There are no programs that list EGM 3601H.

EGN 3321 **Engineering Analysis-Dynamics** **3(3,0)**

PR: "C" (2.0) or better in both MAC 2313 and EGN 3340 and MAC 2313; PR: ~~or CR: MAP 2302~~. 3310.

Kinematics and kinetics of particles and rigid bodies; mass and acceleration, work and energy, impulse and momentum, introduction to kinematics of mechanisms; introduction to 3D rigid body dynamics; central force.

Majors taking course: Civil, Environmental, Construction, Industrial, Mechanical and Aerospace Students

There are 11 programs that list EGN 3321: Intelligent Robotic Systems (IRS) - Interdisciplinary - Minor, Mathematics (B.S.), Aerospace Engineering (B.S.A.E.), Civil Engineering (B.S.C.E.), Construction Engineering (B.S.Con.E.), Environmental Engineering (B.S.Env.E.), Industrial Engineering (B.S.I.E.), Mechanical Engineering (B.S.M.E.), Mechanical Engineering - Accelerated Undergraduate-Graduate Program (B.S.M.E. / M.S.M.E., M.S.M.S.E., M.S.A.E. or M.S.BM.E), Industrial Engineering - Accelerated Undergraduate-Graduate Program (B.S.I.E. / M.S.I.E.), Aerospace Engineering - Accelerated Undergraduate-Graduate Program (B.S.A.E. / M.S.A.E., M.S.M.E. or M.S.BM.E)

EGN 3321H **Honors Engineering Analysis - Dynamics** **3(3,0)**

PR: "C" (2.0) or better in both MAC 2313, EGN 3310, and Permission of Honors and ~~EGN 3340, MAC 2313 both with a grade of "C" (2.0) or better; CR: MAP 2302~~. College.

Kinematics and kinetics of particles and rigid bodies; mass and acceleration, work and energy, impulse and momentum, introduction to kinematics of mechanisms; introduction to 3D rigid body dynamics; central force.

Term Offered: ~~Odd Fall~~ Fall, Spring

Majors taking course: Civil, Environmental, Construction, Industrial, Mechanical and Aerospace Students

There are no programs that list EGN 3321H.

EGN 3343H **Honors Thermodynamics** **3(3,0)**

PR: "C" (2.0) or better in both MAC 2313, EGN 3310, and Permission of Honors status; CR: ~~EGN 3321 or EGN 3321H or EML 3217, & MAP 2302~~. College.

Work, heat, and energy transformations. Relation of properties. Laws, concepts, and models of analysis common to all applications of thermodynamics in engineering. Honors content.

Discussion with others: Is there commitment to offer this course fall and spring? It was not scheduled as such this year.

Rationale: Updating prerequisites

Majors taking course: Civil, Environmental, Construction, Industrial, Mechanical and Aerospace Students

There are no programs that list EGN 3343H.

EGN 3343 Thermodynamics 3(3,0)

PR: "C" (2.0) or better in both MAC 2313 and EGN 3340; ~~CR: MAP 2302, 3310.~~

Work, heat, and energy transformations. Relation of properties. Laws, concepts, and modes of analysis common to all applications of thermodynamics in engineering.

Majors taking course: Civil, Environmental, Construction, Industrial, Mechanical and Aerospace Students

There are 9 programs that list EGN 3343: Mathematics (B.S.), Aerospace Engineering (B.S.A.E.), Environmental Engineering (B.S.Env.E.), Industrial Engineering (B.S.I.E.), Mechanical Engineering (B.S.M.E.), Civil Engineering (B.S.C.E.), Mechanical Engineering - Accelerated Undergraduate-Graduate Program (B.S.M.E. / M.S.M.E., M.S.M.S.E., M.S.A.E. or M.S.BM.E), Industrial Engineering - Accelerated Undergraduate-Graduate Program (B.S.I.E. / M.S.I.E.), Aerospace Engineering - Accelerated Undergraduate-Graduate Program (B.S.A.E. / M.S.A.E., M.S.M.E. or M.S.BM.E)

EML 3101 Thermodynamics of Mechanical Systems 3(3,0)

PR: ~~EGN 3343~~ and a "C" (2.0) or better in all of the following: MAC 2311C, MAC 2312, MAC 2313, MAP 2302, 2302, PHY 2048 and ~~PHY 2048.~~ EGN 3343.

Applied thermodynamics, availability analysis, thermodynamics of reactive and non-reactive mixtures, thermodynamic relations of properties. Thermodynamic design analysis of complete mechanical systems.

Majors taking course: Mechanical & Aerospace Students

There are 2 programs that list EML 3101: Mechanical Engineering (B.S.M.E.), Mechanical Engineering - Accelerated Undergraduate-Graduate Program (B.S.M.E. / M.S.M.E., M.S.M.S.E., M.S.A.E. or M.S.BM.E)

EML 4143 Heat Transfer II 3(3,0)

PR: "C" (2.0) or better in EML 4142.

Advanced topics in heat transfer, multi-dimensional conduction, transient conduction, convection heat transfer, participating medium, boiling and condensation.

Majors taking course: Mechanical & Aerospace Students

There are 2 programs that list EML 4143: Mechanical Engineering (B.S.M.E.), Mechanical Engineering - Accelerated Undergraduate-Graduate Program (B.S.M.E. / M.S.M.E., M.S.M.S.E., M.S.A.E. or M.S.BM.E)

EML 4301C Mechanical Systems Lab 3(2,3)

PR: "C" (2.0) or better in EML 3303C, EGM 3601; CR: EML 4225.

Teaching laboratory in solid mechanics, dynamic vibrations and control-feedback testing and theory; designing and conducting experiments; analyzing and interpreting data.

Term Offered: ~~Odd~~ Fall, Spring

Majors taking course: Mechanical Students

There are 2 programs that list EML 4301C: Mechanical Engineering (B.S.M.E.), Mechanical Engineering - Accelerated Undergraduate-Graduate Program (B.S.M.E. / M.S.M.E., M.S.M.S.E., M.S.A.E. or M.S.BM.E)

EML 4306C **Energy Systems Lab** **3(2,3)**

PR: "C" (2.0) or better in EML 3303C; CR: EML 4142.

Design of experiments in Thermo-Fluid Systems with emphasis on project team activity.

Term Offered: ~~Odd~~ Fall, Spring

Majors taking course: Mechanical Students

There are 2 programs that list EML 4306C: Mechanical Engineering (B.S.M.E.), Mechanical Engineering - Accelerated Undergraduate-Graduate Program (B.S.M.E. / M.S.M.E., M.S.M.S.E., M.S.A.E. or M.S.BM.E)

EML 4313 **Intermediate System Dynamics and Controls** **3(3,0)**

PR: ~~EML 3217~~, "C" (2.0) or better in all of the following MAP 2302, EGN 3321, EGN 3373 and EML 4225.

Free and forced vibration analysis of mechanical systems with multi degrees of freedom; normal modes and modal analysis; systems concepts, stability criteria, role of uncertainty in feedback and frequency domain control design.

Majors taking course: Mechanical & Aerospace Students

There are 4 programs that list EML 4313: Intelligent Robotic Systems (IRS) - Interdisciplinary - Minor, Mathematics (B.S.), Mechanical Engineering (B.S.M.E.), Mechanical Engineering - Accelerated Undergraduate-Graduate Program (B.S.M.E. / M.S.M.E., M.S.M.S.E., M.S.A.E. or M.S.BM.E)

EML 4501C **Engineering Design I** **3(1,6)**

PR: "C" (2.0) or better in each EGN 3373, EML 3303C, EML 3701, EML 4142, EML 4225 and department consent; CR: EML 4931.

Application of the design process in the team solution of a state-of-the-art problem. Aerospace, mechanical, thermo-fluid, or material problems are considered.

Majors taking course: Mechanical Students

There are 2 programs that list EML 4501C: Mechanical Engineering (B.S.M.E.), Mechanical Engineering - Accelerated Undergraduate-Graduate Program (B.S.M.E. / M.S.M.E., M.S.M.S.E., M.S.A.E. or M.S.BM.E)

EML 4502C **Engineering Design II** **3(1,6)**

PR: ~~EML 4501C~~, 4931 and a "C" (2.0) or better in EML 4931, 4501C.

Continuation of the design process in the team building and testing of a prototype. A test plan and a test report are completed.

Majors taking course: Mechanical Students

There are 2 programs that list EML 4502C: Mechanical Engineering (B.S.M.E.), Mechanical Engineering - Accelerated Undergraduate-Graduate Program (B.S.M.E. / M.S.M.E., M.S.M.S.E., M.S.A.E. or M.S.BM.E)

Design & Analysis of Machine Components

EML 4504 **II** **3(3,0)**

PR: "C" (2.0) or better in EML 3500.

Application of the principles of component analysis to the design of mechanisms.

Majors taking course: Mechanical & Aerospace Students

There are 2 programs that list EML 4504: Mechanical Engineering (B.S.M.E.), Mechanical Engineering - Accelerated Undergraduate-Graduate Program (B.S.M.E. / M.S.M.E., M.S.M.S.E., M.S.A.E. or M.S.BM.E)

EML 4703 **Fluid Mechanics II** **3(3,0)**

PR: "C" (2.0) or better in EML 3701.

Continuation of Fluid Mechanics I. External flows, fluid machinery, compressible flows, design projects.

Majors taking course: Mechanical Students

There are 3 programs that list EML 4703: Mathematics (B.S.), Mechanical Engineering (B.S.M.E.), Mechanical Engineering - Accelerated Undergraduate-Graduate Program (B.S.M.E. / M.S.M.E., M.S.M.S.E., M.S.A.E. or M.S.BM.E)

College of Medicine Course Revisions

MLS 4460L **Clinical Pathogenic Microbiology Lab** **1(0,6)**

MLS 4460C **Clinical Pathogenic Microbiology** **5(3,6)**

PR: Admission to the professional phase of the MLS program. ~~CR: MCB 3203.~~

~~Laboratory analysis of human clinical pathogenic bacteria, fungi and viruses and correlation to disease. Identification of pathogens from clinical samples to include bacteria samples, susceptibility testing and fungi.~~ molecular techniques in the clinical pathogenic microbiology laboratory.

Abbrev (32 of 30): ~~Clinical Pathogenic Micro Lab~~ Clinical Pathogenic Microbiology

Rationale: his course was originally on the university listing as both lecture and laboratory. With the addition of clinical faculty to BSBS, MLS students were merged into MCB 3023 Pathogenic Micro with MLS 4460 currently offered as a separate lab component. The MLS program would prefer to have back both the lecture and lab for better clinical content.

Majors taking course: Medical Laboratory Sciences B.S.

There is 1 program that lists MLS 4460L: Medical Laboratory Sciences (B.S.)

College of Sciences Course Revisions

CHM 2211L **Organic Laboratory Techniques I** **~~2(0,6)~~
2(0,4)**

PR: CHM 2046L and CHM 2210. Priority will be given to students whose major requires this course.

An introduction to the laboratory techniques of organic chemistry, including the preparation, reaction, and analysis of organic compounds. **IMPORTANT:** Attendance of the first laboratory session dealing with safety procedures is mandatory; students who do not attend must immediately call the Chemistry Department, and may be dropped from the class.

Discussion with others: None noted

Rationale: No change in content is expected. The change from 2(0,6) to 2(0,4) reflects the reality that normally 6 contact hours are not required for these laboratory experiments. The change will allow greater flexibility in scheduling and will maximize our staff and space resources.

Majors taking course: All science majors requiring CHM 2210/2211

There are 17 programs that list CHM 2211L: Biology (B.S.), Chemistry (B.S.), Chemistry - Biochemistry Track (B.S.), Chemistry - Minor, Bioengineering - Minor, Health Sciences (B.S.), Medical Laboratory Sciences (B.S.), Biomedical Sciences (B.S.), Biotechnology (B.S.), Biomedical Sciences - Preprofessional Concentration (B.S.), Secondary Education - Science Education Chemistry Track (B.S.), Forensic Science - Chemistry Track (B.S.), Forensic Science - Biochemistry Track (B.S.), Biomedical Sciences - Molecular and Cellular Biology Track (B.S.), Biomedical Sciences - Molecular Microbiology Track (B.S.), Biomedical Sciences - Neuroscience Track (B.S.), Physics (B.A.)

CHS 3505C **Forensic Microscopy** **4(2,6)**

PR: 'C' grade or better in CHM 2046 & L, and CHS 3501; and ~~PR: or CR: PHY 2049G.~~ MAC 2312.

The study of the polarized light microscope and its use in the identification and comparison of trace evidence.

Rationale: The revision of the prerequisites will allow students to complete the course earlier and allow for the sequencing of other (higher level) courses in the program.

There are 2 programs that list CHS 3505C: Forensic Science - Chemistry Track (B.S.), Forensic Science - Biochemistry Track (B.S.)

CHS 3511C **Trace Evidence** **4(2,6)**

PR: 'C' grade or better in CHM 2211, CHM 3120, CHM 3120L and CHS 3505C & CHM 2211, 3505C.

An advanced study of the techniques used to identify and compare trace evidence.

Rationale: The prerequisites have been changed to ensure students have the lower level courses necessary as well as to sequence upper level courses in the major.

There are 2 programs that list CHS 3511C: Forensic Science - Chemistry Track (B.S.), Forensic Science - Biochemistry Track (B.S.)

CHS 3530C **Forensic Analysis of Controlled Substances** **4(3,3)**

PR: 'C' grade or better in CHM 2211, ~~PR: or CR: CHS 3505C &~~ CHM 2211L, CHM 3120, or C.I. CHM 3120L, CHS 3511C.

Study of presumptive tests, isolation, and instrumental techniques used in identification of controlled substances.

Rationale: The prerequisites have been changed to ensure students have the lower level courses necessary as well as to sequence upper level courses in the major.

There are 3 programs that list CHS 3530C: Chemistry - Minor, Forensic Science - Chemistry Track (B.S.), Forensic Science - Biochemistry Track (B.S.)

CHS 3595 **Forensic Science in the Courtroom** **3(3,0)**

PR: "C' grade or CR: better in CHS 3501 or C.I., and senior level in Forensic Science major. Science.

The special needs of the forensic scientist in ~~preparing for~~ including ethics, law and participating in courtroom proceedings. testimony.

Term Offered: ~~Even Fall, Spring, Odd Summer~~ Spring

Rationale: The revised prerequisites (addition of "senior level") will allow for students to have the appropriate lower level course experiences prior to enrolling in the course.

There are 2 programs that list CHS 3595: Forensic Science - Chemistry Track (B.S.), Forensic Science - Biochemistry Track (B.S.)

CHS 4515C **Forensic Crime Scene Investigation** **4(2,6)**
3(2,3)

PR: Grade of 'C' or better in CHS ~~3511C, or C.I. 3505C.~~

Procedures for the collection, processing, and investigation of arson, explosives, and forensic evidence discovered at a crime scenes. scene.

COM 3802 ~~Communication & Conflict~~ 3(3,0)
Principles of Communication & Conflict

PR: or CR: Communication & Conflict major and COM 3800, or CI.

Examination of major theories and concepts related to communication and conflict focusing on the influence of message content, relationships, and environments in multiple conflict scenarios.

Abbrev (26 of 30): ~~Communication & Conflict~~ **PRINCIPLES COMM & CONFLICT**

Discussion with others: None noted.

Rationale: Change title of course from Communication and Conflict to Principles to better reflect core course and program sequencing.

There are no programs that list COM 3802.

COM 4804 ~~Conflict & Communication Context~~ 3(3,0)
Communication in Cultural Conflict Context

PR: or CR: Communication & Conflict major and COM 3800, or CI.

Exploration of communication factors that contribute to the development of conflict across groups, cultures and societies.

Abbrev (30 of 30): ~~Conflict Communication Context~~ **COMM CULTURAL CONFLICT CONTEXT**

Discussion with others: None noted.

Rationale: Change title of course from Conflict and Communication Context to better reflect course context.

There are no programs that list COM 4804.

JOU 2100C **News Reporting** 3(3,1)

PR: Com pending, or Journalism Major, or Magazine Journalism Minor and ~~meet grammar proficiency requirement.~~ a grade of "A-" (3.75) or higher in ENC 1101 and ENC 1102 OR a "B" (3.0) or better in ENC 3250 or LIN 3673 OR a passing score on the Grammar Proficiency Exam or C.I.

Newsgathering and writing for the mass media.

Discussion with others: None noted.

Rationale: Clarify prerequisites as this course is an essential foundation course for other courses in the Journalism B.A. and Magazine Journalism minor.

There are 2 programs that list JOU 2100C: Magazine Journalism - Minor, Journalism (B.A.)

JOU 3201 **Editing I** 3(3,0)

PR: ~~Meet grammar proficiency requirement with "A-"~~ A grade of "C" (2.0) or higher better in ENG 4101 and ENG 4102, JOU 2100C or complete Grammar Proficiency test. C.I.

Editing copy, writing headlines, managing newsroom operations.

Discussion with others: None noted.

Rationale: To enforce minimum grad of "C" in foundational course before students can take more advanced courses.

There are 2 programs that list JOU 3201: Journalism (B.A.), Magazine Journalism - Minor

JOU 4213C **Page Design** 3(2,1)

PR: Journalism major or Magazine Journalism minor and a grade of "C" (2.0) or better in JOU 3204, 2100C or C.I.

Designing news pages, including stories, headlines, and other content.

Discussion with others: None noted.

Rationale: To enforce minimum grade of "C" in foundational course before students can take more advanced courses.

There are 2 programs that list JOU 4213C: Journalism (B.A.), Magazine Journalism - Minor

RTV 3304 Electronic Journalism II 3(3,0)

PR: Journalism major, and a minimum grade of "C" (2.0) in RTV 3304, 3301 and RTV 3321, and JOU major, 3321 or C. I.

Newswriting and newsgathering strategies learned in RTV 3301 are integrated into a newsgathering context for actual production of analog and digital radio and television news packages.

Discussion with others: None noted.

Rationale: To enforce minimum grade of "C" in foundational courses before students can take more advanced courses.

There is 1 program that lists RTV 3304: Journalism (B.A.)

RTV 4681C Television News 4(1,3)

PR: Journalism major, and a minimum of "C" (2.0) in RTV 3304 and RTV Major—Broadcast Journalism Specialization or C.I.

Production of weekly campus newscast. Daily newsgathering and production decisions are conducted by students under the advisement of the instructor functioning as news director. Students should expect significant work in the RTV lab facility outside of class.

Discussion with others: None noted.

Rationale: To enforce minimum grade of "C" in foundational courses before students can take more advanced courses.

There is 1 program that lists RTV 4681C: Journalism (B.A.)

POS 4961 Exit Exam 0(0,0)
Exit Course

PR: POS 2041 and Senior Standing: Standing, CR: POS 3703.

Complete ~~the departmental exit exam~~ required department assessments during the semester of ~~graduation.~~ graduation, assist students with advising, post graduation planning.

Abbrev (11 of 30): ~~Exit Exam~~-Exit Course

Discussion with others: None noted.

Rationale: Revising course name from "Exit Exam" to "Exit Course" provides students and faculty better idea of course content and objectives as it addresses more than just the Exit Exam. The course helps the Department of Political Science conduct annual assessment and advising majors on graduation and post graduation plans.

Majors taking course: Senior political science and IGS majors

There are no programs that list POS 4961.

The Burnett Honors College Course Revisions

IDH 1920H	Honors Symposium I Honors Freshman Symposium	2(2,1) 1(1,0)
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PR: Permission of Honors.

Readings, lectures, ~~discussions, and laboratories~~ discussions covering aspects of ~~scholarship~~ scholarship, research, and service-learning: university life. Graded S/U.

Abbrev (25 of 30): ~~Honors Symposium I~~-Honors Freshman Symposium

There are no programs that list IDH 1920H.

4. Course Deletions

College of Arts and Humanities Course Deletions

GER 3420	CAH-LANG	3(3,0)
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Intensive German Composition PR: GER 2201 or equivalent. Development of skills in composition.

Discussion with others: n/a

Rationale: This course was taught as a requirement for the German Minor that was discontinued in our Department.

There are no programs that list GER 3420.

GER 4520	CAH-LANG	3(3,0)
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Modern Germany PR: Given in German. An introduction to the history of postwar Germany from the two Germanies to unification and today's Germany.

Discussion with others: We discussed with Political Science and there were no conflicts.

Rationale: This course was taught as a requirement for the German Minor that was discontinued in the Department of Modern Languages.

There is 1 program that lists GER 4520: European Studies - Minor

College of Education and Human Performance Course Deletions

EDF 3120	ED-TL&L	3(3,0)
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Observing Child Growth and Development PR: Admission to the program. Provides a comprehensive introduction to the principles and basic theories of child growth and development from pre-natal development through age eight.

Discussion with others: Not used by any other departments

Rationale: Not used by any program in the college and there is a similar course offered, EDF 2130 , that is better suited to current program needs.

There are no programs that list EDF 3120.

College of Engineering and Computer Science Course Deletions

EAS 3010

ECS-MECH/AERO

3(3,0)

Fundamentals of Aerospace Flight PR: EGN 3321 and a "C" (2.0) or better in all of the following prerequisites: MAC 2311C, MAC 2312 and PHY 2048; CR: EGN 3343. Fundamental theories of inviscid, incompressible aerodynamics and flight mechanics, airfoil theory, external and internal flows, airplane performance.

Discussion with others: none

Rationale: We have replaced this course with a combination of EML 3701: Fluid Mechanics I and EAS 3101: Fundamentals of Aerodynamics. EAS 3010 is no longer needed.

There are no programs that list EAS 3010.

5. Course Continuations

College of Arts and Humanities Course Continuations

ENC 4312

CAH-ENG

3(3,0)

Theory & Practice Persuasive Writing PR: Grade of C (2.0) or better required in ENC 1102. A study of the theory and practice of persuasion, including logical emotional and ethical appeals.

Rationale: We'd like to keep this course as well. It supports the Prelaw in the Humanities Minor and we're planning to put it on our schedule for 18-19.

There is 1 program that lists ENC 4312: Pre-Law in the Humanities - Minor

LIT 3394H

CAH-ENG

3(3,0)

Honors Literature of AIDS PR: Permission of Honors and ENC 1102H or equivalent credit. Literature related to AIDS: Essays, short stories, plays, poetry, diaries, and novels. Honors content.

Rationale: This is an Honors course that we'd like to keep on the books in case Honors would like to offer it again in a coming semester. We have someone who can teach it.

There are no programs that list LIT 3394H.