Undergraduate Course Review Committee (UCRC)

Tuesday, April 4, 2017 at 12:00 – 1:00 PM College of Sciences (CSB) 221

<u>AGENDA</u>

- I. Welcome and guest introductions
- II. Approval of March 7, 2017 meeting minutes
- III. Course Action Agenda
- IV. Adjournment

2016-2017 UNDERGRADUATE COURSE REVIEW COMMITTEE MINUTES Tuesday, April 4, 2017, College of Sciences 221

Attending: Teresa Dorman, Dennis Filler, Mark Hall, Bobby Hoffman, Anna Jones, Foard Jones, Elizabeth Kinchen, Charles Reilly, Kristen Schellhase, Frank Tamberelli, John Venecek, Ross Wolf.

Anna Jones called the meeting to order at 12:01 p.m.

March meeting minutes approved

Course Review Agenda:

Approved Course Additions and Course Revisions go into effect on May 1, 2017.

Course Additions: College of Arts and Humanities: Approved College of Sciences: Approved

Special Topics Additions: <u>College of Arts and Humanities:</u> Approved <u>College of Business Administration:</u> Approved <u>College of Engineering and Computer Science:</u> Approved <u>College of Health and Public Affairs</u>: Approved <u>College of Sciences</u>: Approved

Course Revisions: <u>College of Business and Administration</u>: Approved <u>College of Education and Human Performance</u>: Approved <u>College of Engineering and Computer Science</u>: Approved <u>College of Sciences</u>: Approved

Course Continuations: College of Sciences: Approve

The meeting adjourned at 12:22Step p.m.

Course Agenda

1.Course Additions

College of Arts and Humanities Course Additions

MUS 4XXX

Music Performance Workshop: PR: Successful completion of two semesters of level I applied music, or C. I. Individual coaching and study of the art of music performance, including mock

CAH-MUSIC

auditions and performances. Spring, Summer, Fall.

Abbrev: (26 of 30 chars) Music Performance

Workshop Repeat For Credit: True Max Times: 2

Discussion with others: None.

Rationale: This course offers a valuable elective in the area of music performance. This course has been offered successfully multiple times as an Honors version.

College of Sciences Course Additions

PCB 4XXX

COS-BIOL

3(3,0) Wildlife Genomics: PR: 'B' or better in PCB 4683, or CI. Understanding of how Genomic methods are applied to problems in wildlife biology, with an emphasis on vertebrate animal species in terrestrial and marine ecosystems. Odd Fall.

Abbrev: (17 of 30 chars) Wildlife Genomics

Discussion with others: none.

Rationale: Much needed addition to the graduate and undergraduate curriculum. Majors taking course: None

ISC 3XXX

COS-COS

3(3.0)

Chemical and Life Science Nanotechnology: PR: 'C' (2.0) or better in CHS 1440 or CHM 2045C, or CI. Synthesis, fabrication and properties of nanomaterials and nanodevices, and their broad applications in chemical/life science, environment protection and sustainability. Spring, Fall.

Abbrev: (8 of 30 chars) Nanochem

Rationale: This course will teach undergraduate students with interdisciplinary knowledge of nanotechnology, which currently does not exist in the campus.

GLY 4XXX

COS-PHYS

3(3.0)

Marine Geology: PR: Junior Standing, or CI. Examination of the physical processes operating in the world ocean; marine tectonics; ocean history; marine sediments; ocean circulation; marine energy; sea-level change; marine research methods. Odd Fall. Abbrev: (17 of 30 chars) Marine Geoscience

3(3,0)

<u>Discussion with others</u>: Biology Department contacted and approved. EM attached. <u>Rationale</u>: There is increasing interest in enhancing UCF's geoscience offerings, and in particular those related to marine science. This course represents one of the fundamental topics in geoscience and should be of interest to many students in the physical and life sciences and engineering.

Majors taking course: None

PHZ 4XXX

COS-PHYS

3(3,0)

3(3,0)

General Relativity: PR: PHY 3101 or CI. The underpinnings and mathematics of the General Theory of Relativity, including applications to black holes, gravitational waves, and cosmology. <u>*Occasional.*</u>

Abbrev: (18 of 30 chars) General Relativity

Discussion with others: None.

<u>Rationale</u>: This course will fill a significant hole in the current Physics curriculum. A similar course, PHZ 3601, is offered irregularly and is typically taught as an immersive course in Special Relativity. This course will be very helpful for those students who endeavor to continue studies in astrophysics.

Majors taking course: None.

INP 4XXX

COS-PSYCH

Occupational Health Psychology: PR: PSY 2012, or CI. Occupational Health Psychology, including workplace stress and coping, workplace aggression, work schedules and job design, and organizational interventions. <u>Occasional.</u>

Abbrev: (30 of 30 chars) Occupational Health Psychology

<u>Discussion with others</u>: Conflicted noted by Health Professions with course HSC 3432 Occupational Safety - Psychology feels there is no conflict as this is a subfield in Psychology. See attached.

<u>Rationale</u>: Occupational Health Psychology (OHP) is a growing sub-field of Industrial/Organizational (I/0) Psychology that takes a psychological approach to understanding and improving well-being in the workplace. It Is a popular specialization in many 1/0 Ph.D. programs, and will add additional 1/0 coursework for our new track,

Majors taking course: None.

SYP 4XXX

COS-SOC

3(3,0)

Social Capital and Caregiving from an International Perspective: PR: Any of the following: SYG 2000, SYG 2010, or CI. A sociological perspective on caregiving, which is an expression of social capital defined by supportive networks and relations. Includes a study abroad component (Cork, Ireland). *Occasional.*

Abbrev: (20 of 30 chars) Community Caregiving

<u>Discussion with others</u>: Contacted Social Work and changes were made per there request - now approved. See attached email.

<u>Rationale</u>: The course contributes to the university curriculum by analyzing caregiving in the context of the community. Students will acquire an understanding of how caregiving is shaped by social, cultural, and policy factors from an international perspective.

Majors taking course: n/a

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STA 4XXX COS-STAT

Applied Bayesian Statistics: PR: STA 4163, or CI. Elements of Bayesian statistics; Bayesian models; Monte Carlo for model fitting; hypothesis testing and model selection; hierarchical models. Spring.

Abbrev: (14 of 30 chars) Bayesian Stats

Discussion with others: Contacted: Psychology, Mathematics, ECE, and IEMS; all approved. EM attached.

Rationale: Bayesian Statistics is an indispensable part of Statistical Science. It has been widely used by practitioners. Traditionally introductory statistical courses like Statistical Method I and II (STA2023 & STA4163) are presented from the frequentists' perspective. A Bayesian course can expand students' knowledge base and offer additional approaches for data analysis. Majors taking course: None.

2. Special Topics Additions

College of Arts and Humanities Special Topics Additions

ENG 3930

CAH-ENG

ST: Literature of the Bomb: PR: Grade of C (2.0) or better required in ENC 1102 or C.I. Depictions of the bomb in post-WWII literary and cultural texts. Occasional.

Abbrev: (22 of 30 chars) Literature of the Bomb

Discussion with others: We don't see any conflicts with other courses in the catalog and we do not intend to make this a permanent course offering.

Rationale: We proposing this course to diversify our elective offerings.

ENC 3930

CAH-WRITE

ST: Editing and Publishing Imprint: PR: Grade of C (2.0) or better required in ENC 1102 or C.I. Experiential-learning course. Students work as writers, marketers, web programmers, and editors for Imprint, an existing publication housed in the Department of Writing and Rhetoric. Occasional. Abbrev: (29 of 30 chars) ST: Editing & Publish Imprint

Discussion with others: None. Since this is a departmentally housed publication, we don't anticipate overlap with other departments.

Rationale: Course is being offered to enhance experiential learning and high impact practice opportunities for students. It offers students a structured editorial/publication experience beyond the experience that they might gain in selected internships.

College of Business Administration Special Topics Additions

ACG 4932

BA-ACCT

ST: Professional Written Communication for Accountants: PR: Junior standing, Accounting major or minor, and ACG 3141 with a grade of "C" (2.0) or better. Explore business writing in the context of the accounting profession using appropriate style and structure for persuasive professional writing. Occasional.

Abbrev: (26 of 30 chars) Pro Written Comm for Accts

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Discussion with others: Yes and no Conflicts.

Rationale: To supplement our curriculum as an elective and develop better writing skills in our students to prepare them for their professional careers.

College of Engineering and Computer Science Special Topics Additions

COT 3930H **ECS-CS** 3(3,0) Mathematical Modeling and Scientific Computing: PR: Permission of Honors and MAC 2311C and (COP 3223C or EGN 3211). Combines Mathematics and Computing Techniques to solve a diverse array of real-life problems. Occasional.

Abbrev: (14 of 30 chars) HON MATH MODEL

Discussion with others: We previously offered this seminar (Dr. Kuppalapalle Vajravelu and I) and when we first looked didn't find any courses in UCF's catalog that proposed to teach mathematical modeling at the level that we propose to teach it. (Other courses with similar content are aimed at graduate students and are more specific in scope than our class.)

College of Health and Public Affairs Special Topics Additions

CCJ 4932 **HPA-CJ** 3(3,0)ST: Data Analysis for Criminal Justice: PR: CCJ 4701 or a grade of C or better in MAC1105 or MGF1106 or higher-level math class. Data Analysis for Crim Just Occasional. Abbrev: (34 of 30 chars) Data Analysis for Criminal Justice Discussion with others: N/A Rationale: N/A

CCJ 4932 ST: Research Methods: PR: CCJ 3014 and CCJ 3024. Research Methods in CJ Occasional. Abbrev: (36 of 30 chars) Research Methods in Criminal Justice Discussion with others: Permanent course approved by state. Rationale: N/A

College of Sciences Special Topics Additions

COM 3930 COS-COMM 3(3,0)ST: Communication, Conflict & Organizations: PR : Communication and Conflict Major, COM 3800 or C.I. Communication and conflict in organizations, the impact an organizational context will have on how conflicts develop, continue, and how they are effectively managed and resolved. Occasional.

Abbrev: (21 of 30 chars) Comm. Conflict & Org.

Discussion with others: 50

Rationale: None.

PSY 3930 COS-PSYCH

ST: Psychological Perspectives on WWII: PR: PSY 2012, or CI. Psychological perspectives on World War II in Europe. Topics covered; group dynamics, psychology of propaganda, effects

3(3.0)

HPA-CJ

3(3,0)

on family, role of context in cognition and memory. *Occasional.* **Abbrev: (28 of 30 chars)** Psych. Persp. WWII in Europe <u>Discussion with others</u>: History Dept. contacts and OK. EM attached. <u>Rationale</u>: To expand our study abroad options for Psychology majors, minors and any other undergrad who qualifies.

3.Course Revisions

College of Business Administration Course Revisions

MAN 4240Organizations: Theory and Behavior3(3,0)PR: <a href="https://www.maior.com/manufactors.com/manufac

A course providing a micro/macro approach to the study of organizations by integrating organizational theory and organizational behavioral science concepts. <u>There are 3 programs that list MAN 4240:</u> Leadership Studies - Certificate,Leadership Studies - Minor,Management (B.S.B.A.)

MAN 4441Conflict Resolution and Negotiation3(3,0)PR: Completion of MAN 3025. 3025 and students admitted into any of the restricted business
majors.

Conflict resolution and negotiation theories and processes applied to human resource management practices and other management activities in work organizations. <u>There is 1 program that lists MAN 4441:</u> Management (B.S.B.A.)

College of Education and Human Performance Course Revisions

SLS 1501Strategies for Success in College1-3(1-3,0)PR: First Time in College (FTIC) standing or C.I.Development of life-skills necessary for Assist student transition to the contemporary University
by developing important academic, life, and study skills that promote student to appropriately
adjust to college requirements that lead to self-mastery success and the total concept of lifetime
wellness. persistence through first year and beyond.

There are no programs that list SLS 1501.

College of Engineering and Computer Science Course Revisions

COT 3100HHonors Introduction to Discrete Structures3(3,0)PR: Permission of Honors and MAC<u>1105C and MAC 1114C each-2311C</u> with a grade of "C"(2.0) or better.Logic, sets, functions, relations, combinatorics, graphics, Boolean algebras, finite-state

machines, Turing machines, unsolvability, computational complexity.

Rationale: Updating PR

Majors taking course: CS & CpE

There are no programs that list COT 3100H.

EXP 3304

Motivation and Emotion 3(3,0)

PR: PSY 2012.

Psychological Some topics including; human performance, obedience, ideology, aggression, and physiological aspects of human motivation. psychological well-being.

Abbrev (22 of 30): Motivation Motivation and Emotion

Term Offered: Fall, Spring Occasional

Rationale: Updating the name and description allows students to understand the course more accurately before they enroll.

Majors taking course: None

There are 3 programs that list EXP 3304: Leadership Studies - Certificate, Leadership Studies -Minor, Psychology (B.S.)

4. Course Continuations

College of Sciences Course Continuations

BOT 4503

COS-BIOL

Plant Physiology PR: A "C" (2.0) or better in PCB 3023 or C.I. A Study of mechanisms used by plants to cope with the environment.

Rationale: This course was previously taught by Dr. Jan Nadeau who resigned her position. The department recently hired an Assistant Professor, Dr. Chase Mason, who will offer the course in spring 2019.

There is 1 program that lists BOT 4503: Biology (B.S.)

BSC 4330 COS-BIOL Invasion Biology PR: A "C" (2.0) or better in PCB 3044, or C.I. General principles of invasion ecology. The study of addition of species into ecosystems as it provides insights into basic ecological and evolutionary questions.

There is 1 program that lists BSC 4330: Biology (B.S.)

PCB 4802

Comparative Endocrinology PR: A "C" (2.0) or better in both PCB 3023 and PCB 3044, or C.I. Hormonal regulation of an animal's physiological responses to environmental changes. Rationale: This course was developed by Dr. David Borst who passed before it could be offered. Our faculty feel that this course is an important elective in the undergraduate curriculum and should be retained for a future hire.

There are no programs that list PCB 4802.

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COS-BIOL