

UCF Graduate Council

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CURRICULUM COMMITTEE MINUTES

Minutes of April 20, 2015 meeting

Members Present Diane Andrews, Steven Collins, Steven Ebert, Jana Jasinski, Charles Kelliher, Donna Malvey, Joyce Nutta, Terrie Sypolt, Art Weeks

Recorder Rhonda Nelson

Guests Present Derek Green, Rose Taylor, Ross Wolf, Ivan Garibay, David Nickerson, Gary Leavens, Mike Hynes, Mary Ann Feldheim, Kourtney Nieves, Sumanata Pattanaik, Shawn Lawrence

Staff Members Debra Winter, Michele Pozodil

Files [2015-04-20 Meeting Course Minutes](#) 

Welcome and call to order. Dr. Charles Kelliher, acting chair, welcomed the committee and guests. The minutes of the last meeting were reviewed and approved unanimously with no changes.

Revisions to the Usability graduate certificate-CECS. The program requested to offer 2 courses as an "either/or" course option. The student can choose either EIN 5251 or EIN 6370 and either EIN 6258 or EIN 5255C. The overall credit hours will remain at 12 credit hours. This request received unanimously approved.

Course approvals for the MS in Data Analytics program, CECS. Dr. Gary Leavens presented a summary of the curriculum. He indicated that this program will be a market rate program. The MS in Data Analytics program is currently in the developmental stage. A library review will be done this summer once the proposal is in the final completion stage. The request was for the committee to review the curriculum only at this time. The curriculum received unanimous approval.

Suspend admissions to the Art Ed track, MAT Teacher Ed program, CEHP.

Suspend admissions to the Art Ed track, MED Teacher Leadership program, CEHP.

Dr. Mike Hynes presented a summary of the suspension to these two programs. The current faculty member will be retiring. The request is to suspend the programs for 3 years while a search is conducted for a new instructor. There are 3 students in the MED Art Education track and 4 students in the MAT Art Education track. All students will be able to complete their programs. These requests received unanimous approval.

Revisions to the Health Services Administration program, COHPA. Dr. Kourtney Nieves gave a summary of the revisions. The request was to add HSA 6195 as a core course. Course HSA 6128 will be remain as a core course. The core hours will increase from 39 to 42 hours. The electives will change from 6 to 3 hours. This request received unanimous approval.

Revisions to all tracks in the Master of Social Work, COHPA. Dr. Shawn Lawrence presented a summary of the revisions. The program has requested to remove courses from their electives that have been deleted from the course catalog. This will involve all tracks in the MSW program. This request received unanimous approval.

Revisions to the Master of Research Administration, COHPA. Dr. MaryAnn Feldheim presented a summary of the revisions. The program has specified 12 courses that students need to take to obtain this degree that are grouped in two categories: MRA concentration core courses and the general required courses. This program will also be included in the school wide change to accept a B- grade for their 9 concentration core courses only. There was much discussion held about the B- grade change request. The committee requested that the "general required courses" title be changed to "additional required courses" for better clarification. They also requested that the overall 3.0 graduate status GPA requirement policy statement be added to their catalog copy. This request received unanimous approval from the committee with changes as indicated.

Revisions to the core course grade requirements for all graduate degree programs in the School of Public Administration, COHPA. Dr. MaryAnn Feldheim presented these revisions. This will be a school wide change to accept a B- grade to the core courses for all graduate degree programs within the school due to grading of individual faculty. Much debate and discussion was held regarding this request. Some members questioned whether this would be lowering the bar for graduate standards. Dr. Feldheim indicated that their school adheres to the recommended standards that are in place for grading. They also understand the overall 3.0 graduate status GPA requirement policy to maintain regular graduate status and to qualify for graduation. The committee requested that this policy statement be added to the catalog copy for each program. This request was approved by a majority vote with changes as indicated.

Review of Courses and Special Topics

Review of MCB 5225 Molecular Biology of Disease split class, COM. Dr. Steven Ebert presented a summary of the split class with the additional rigor and assignments added. This item was tabled at

an earlier meeting with a request that advanced subject matter, expectations, and rigor be clearly demonstrated in the graduate syllabus. The committee requested that the names of the students be removed from the syllabus. This split class received unanimous approval with changes as indicated.

Questions were raised on the split of the Health Care Risk Management course. Dr. Kourtney Nieves indicated that the original course contained too much coursework and students were unable to finish the material by the end of the semester. By dividing the course into 2 courses (Health Care Risk Management I and II), the coursework would be manageable and the students could finish coursework by semester's end. Both courses would be needed in order to obtain state licensure. These 2 courses received unanimous approval.

Dr. David Nickerson provided his input regarding the ESI 6938 Optimization and Data Mining course. His department has courses that cover many of these topics and objects to the title and the content. He requested that this course be tabled. He indicated that CECS students could enroll in their Statistics course STA 6106. This course was tabled until further discussions with CECS.

To review a list of all approved courses, please see the attached course minutes.

3- Year Rolling Review of Graduate Certificates. The committee did not have time to review this document. Dr. Kelliher asked if the group would review this document via email. The committee decided to consider sunseting certificates that were up for review that had 5 or fewer students enrolled. The committee agreed to review and send their responses to Rhonda via email.

Adjournment. The meeting adjourned at 1:30 pm.

Course Minutes

April 20, 2015

All courses have been approved unless otherwise noted below. Any notations listed refers to the course below the notation.

1. Course Additions

College of Arts and Humanities Course Additions

Withdrawn. The following 11 DIG courses were withdrawn by the college along with the program recommendation form.

DIG 5XXX CAH-FIEA 3(3,0) Game

Production and Design I: PR: Admission to FIEA MS in Interactive Entertainment program or C.I. Theory and methodology for creation and communication of video game designs. *Fall.*

Abbrev: (23 of 30 chars) Game Product & Design 1

Discussion with others: No conflict.

Rationale: To create a distinctive class previously listed as a lab section of DIG 5045C. There are enough students to justify creating a unique course that is specific to the specialization covered, Game Production. We are revising the program to better clarify all specializations. Creation of the course is also at the recommendation of the Academic Program Review.

Majors taking course: MS in Interactive Entertainment

DIG 5XXX CAH-FIEA 3(3,0)

Game Programming Fundamentals: PR: Admission to FIEA MS in Interactive Entertainment program or C.I. An introduction to real-time game programming fundamentals, including computer architecture and low-level programming and optimization. Specific attention to game consoles and cross-platform software development. *Fall.*

Abbrev: (25 of 30 chars) Game Program Fundamentals

Discussion with others: No conflicts.

Rationale: To create a distinctive class previously listed as a lab section of DIG 5045C. There are enough students to justify creating a unique course that is specific to the specialization covered, Game Programming. We are revising the program to better clarify all specializations. Creation of the course is also at the recommendation of the Academic Program Review.

Majors taking course: MS in Interactive Entertainment

DIG 5XXX CAH-FIEA 3(3,0)

Game Asset Creation: PR: Admission to FIEA MS in Interactive Entertainment program or C.I. Introduction to real-time art asset creation fundamentals, including figure drawing, digital painting, 3d modeling, animation, character setup, technical art and contemporary game engine topics. *Fall.*

Abbrev: (19 of 30 chars) Game Asset Creation

Discussion with others: No Conflict

Rationale: To create a distinctive class previously listed as a lab section of DIG 5045C. There are enough students to justify creating a unique course that is specific to the specialization covered, Game Art or Asset Creation. We are revising the program to better clarify all specializations. Creation of the course is also at the recommendation of the Academic Program Review.

Majors taking course: MS in Interactive Entertainment

DIG 5XXX **CAH-FIEA** **3(3,0)**

Experimentation, Application and Innovation in Games: PR: DIG 5529C or C.I. Survey and development of games being used in non-traditional applications, such as medical simulation, education and research. *Spring.*

Abbrev: (29 of 30 chars) Experiment App Innov in Games

Discussion with others: n/a

Rationale: This course is intended to encourage and motivate our students to explore and create interactive entertainment technologies outside of games. Such topics and expectations will include educational, military and medical simulations. Creation of the course is also at the recommendation (#10) of recent Program Review.

Majors taking course: MS in Interactive Entertainment students.

DIG 6XXX **CAH-FIEA** **3(3,0)**

Advanced Game Asset Creation: PR: DIG 5XXX: Game Asset Creation or C.I. Advanced techniques in game asset specializations such as 2d art, mobile application art, 3d modeling and texturing, animation, lighting and effects and technical art topics. *Spring.*

Abbrev: (27 of 30 chars) Advance Game Asset Creation

Discussion with others: No conflict.

Rationale: To create a distinctive class previously listed as a lab section of DIG 5046C. There are enough students to justify creating a unique course that is specific to the specialization covered, Game Art or Asset Creation. We are revising the program to better clarify all specializations. Creation of the course is also at the recommendation of the Academic Program Review.

Majors taking course: MS in Interactive Entertainment

DIG 6XXX **CAH-FIEA** **3(3,0)**

Game Asset Portfolio Development: PR: DIG 6XXX: Advanced Game Asset Creation or C.I. Concentration in professional game artist portfolio development in specializations such as 2d art, mobile application art, 3d modeling and texturing, animation, lighting and effects and technical art topics. *Summer.*

Abbrev: (28 of 30 chars) Game Asset Portfolio Develop

Discussion with others: No conflict

Rationale: To create a distinctive class previously listed as a lab section of DIG 6785C. There are enough students to justify creating a unique course that is specific to the specialization covered, Game Art or Asset Creation. We are revising the program to better clarify all specializations. Creation of the course is also at the recommendation of the Academic Program Review.

Majors taking course: MS in Interactive Entertainment

DIG 6XXX **CAH-FIEA** **3(3,0)**

Game Production and Design II: PR: DIG 5XXX Game Production and Design I or C.I. Advanced principles of game design and production including integrating development skills into level designs and complete games. *Spring*.

Abbrev: (29 of 30 chars) Game Production and Design

Discussion with others: No conflict.

Rationale: To create a distinctive class previously listed as a lab section of DIG 5046C. There are enough students to justify creating a unique course that is specific to the specialization covered, Game Production. We are revising the program to better clarify all specializations. Creation of the course is also at the recommendation of the Academic Program Review.

Majors taking course: MS in Interactive Entertainment

DIG 6XXX **CAH-FIEA** **3(3,0)**

Media Distribution: PR: DIG 6XXX Game Production and Design II or C.I. Theory and practical application of video game messaging, advertisement and distribution. *Summer*.

Abbrev: (18 of 30 chars) Media Distribution

Discussion with others: No conflicts.

Rationale: To create a distinctive class previously listed as a lab section of DIG 6785C. There are enough students to justify creating a unique course that is specific to the specialization covered, Game Production. We are revising the program to better clarify all specializations. Creation of the course is also at the recommendation of the Academic Program Review.

Majors taking course: MS in Interactive Entertainment

DIG 6XXX **CAH-FIEA** **3(3,0)**

Advanced Game Programming: PR: DIG5XXX: Game Programming Fundamentals or C.I. Advanced principles of software development for interactive entertainment. *Spring*.

Abbrev: (25 of 30 chars) Advanced Game Programming

Discussion with others: No conflicts.

Rationale: To create a distinctive class previously listed as a lab section of DIG 5046C. There are enough students to justify creating a unique course that is specific to the specialization covered, Game Programming. We are revising the program to better clarify all specializations. Creation of the course is also at the recommendation of the Academic Program Review.

Majors taking course: MS in Interactive Entertainment

DIG 6XXX **CAH-FIEA** **3(3,0)**

Applied Programming Mechanics: PR: DIG 6XXX Advanced Game Programming or C.I. Application of advanced software development principles for interactive entertainment.

Summer. **Abbrev: (29 of 30 chars)** Applied Programming Mechanics

Discussion with others: No conflicts.

Rationale: To create a distinctive class previously listed as a lab section of DIG 6785C. There are enough students to justify creating a unique course that is specific to the specialization covered, Game Programming. We are revising the program to better clarify all specializations. Creation of the course is also at the recommendation of the Academic Program Review.

Majors taking course: MS in Interactive Entertainment

DIG 6XXX **CAH-FIEA** **6(6,0)**

Digital Venture Practicum: PR: DIG 6718 Interactive Entertainment Project or C.I.

Principles and application of business development, IP rights, market research, iterative

production, monetization, support and distribution as it relates to a start-up entity in game design. *Fall*. **Abbrev: (25 of 30 chars)** Digital Venture Practicum

Discussion with others: No conflict.

Rationale: This lecture based course on gaming entrepreneurship is intended for students not taking an internship in their final semester at FIEA. Creation of the course is also at the recommendation of the 10-11 Academic Program Review.

Majors taking course: M.S. in Interactive Entertainment

College of Engineering and Computer Science Course Additions

CAP 5XXX

ECS-ECE

3(3,0)

Visualization Techniques for Data Analysis: PR: COP 3330, COP 3502C. Techniques for visualization that are useful for analyzing and presenting quantitative information are covered. Projects analyze one or more real-world publicly-available datasets. Understanding the data, visualizing it, creating hypotheses, and visually exploring them. Application of statistical techniques to test hypotheses about data trends and visualize how well their hypotheses match with their analysis. *Spring, Summer, Fall*.

Abbrev: (29 of 30 chars) Data Visualization & Analysis

Discussion with others: Statistics

Rationale: Data visualization is fundamental to data understanding and analysis. The last decade has witnessed the development of many interesting ideas about how to visualize and analyze that. The course is designed to provide the students with the foundation necessary for understanding and visualizing data. This course covers principles and techniques for visualization that are useful for analyzing and presenting quantitative information. Student will have state of the art knowledge in the area.

Majors taking course: MS in Data Analytics (required)

CAP 6XXX

ECS-ECE

3(3,0)

Social Media and Network Analysis: PR: COT 5XXX Network Science. Techniques developed by the computer science research community for analyzing social networks and social media datasets. *Summer*.

Abbrev: (28 of 30 chars) Social Media & Network Analy

Discussion with others: We discussed this course with the Nickerson School of

Communications, and they are fine with it but suggested the title be changed to have Network and Analysis together instead of "Media Analysis". Anthropology sees no overlap. Sociology is fine with the course. ECE has also approved the course.

Rationale: Course will be part of the MS in Data Analytics

CAP 6XXX

ECS-ECE

3(3,0)

Computational Analysis of Social Complexity: PR: COT 5xxx: Network Science.

Computational concepts, principles, modeling and simulation approaches used to analyze complex social and economic phenomena, leveraging the availability of large amounts of data, and elements of complexity theory. *Odd Spring*.

Abbrev: (29 of 30 chars) Analysis of Social Complexity

Rationale: Course will be part of the MS in Data Analytics

Tabled. Not listed in the M.S. Data Analytics course curriculum. Clarification needed.

EEL 5XXX

ECS-ECE

3(3,0)

Big Data Computer Architecture and Systems: PR: EEL 4768 or CGS 3763.

Computer hardware architecture and operating systems design, implementation and administrative techniques for big data computing platforms which run applications to analyze datasets of massive size and dimensionality. *Odd Spring, Even Fall.*

Abbrev: (30 of 30 chars) Big Data Computer Architecture

Discussion with others: This course is created within the Department of EECS by two divisions. Rationale: The course is added into a new curriculum which is needed to start a new Master of Science in Data Analytics program in the Department of EECS.

Majors taking course: MS in Data Analytics

EEL 5XXX ECS-ECE 3(3,0) Communications and Networking for Smart Grid: PR: EEL 4515C. Introduction to smart grid communication infrastructure, communication technologies in smart grid, communication networking in smart grid, communication for vehicle-to-grid systems, secure communication and networking. *Occasional.*

Abbrev: (29 of 30 chars) Comm. & Networking Smart Grid

Rationale: Modern communication is an essential enabling technology for smart grids. Hence, addition of this new course will fulfill one of the educational missions of the FEEDER Center (one of the four national-network centers funded by US Department of Energy and led by UCF). As a faculty member of the FEEDER Center, with research interest and expertise in communications, I plan to develop and teach this lower-level graduate course EEL5XXX "Communication and Networking for Smart Grid" in Fall 2015. The topics to be covered are listed in the syllabus.

EEL 5XXX ECS-ECE 3(3,0) Resilient Computer System Design: PR: EEL 4768 or CDA 5106 or EEL 5708, or C.I. Advanced concepts in hardware/software fault tolerance: fault models, coding in computer systems, module and system level fault detection mechanisms, such as TMR, rollback, and recovery. *Occasional.*

Abbrev: (25 of 30 chars) Resilient Comp Sys Design

Rationale: Highly complex computer systems and network require techniques to become less susceptible to failures; hence, needing fault tolerance to maintain the failure rate within acceptable levels. Students seeking jobs in industry need techniques that add reliability while considering cost. Graduate students need foundation courses in these techniques.

EEL 6XXX

ECS-ECE

3(3,0)

Emerging Device Computing Architectures: PR: CDA 5106 or EEL 5708 or C.I. Post-CMOS logic devices. Spintronic logic and memory systems. Memristor-based processing elements. Logic-In-Memory and non-Boolean computing approaches. System design and performance assessment, and applications. *Occasional.*

Abbrev: (25 of 30 chars) Emerging Device Comp Arch

Rationale: With Moore's Law scaling reaching atomic limits in the next 5 years, new generation computing architectures will be designed integrating hybrid CMOS and post-CMOS components. Our graduate students working at AMD, Qualcomm, and Apple chip design center and elsewhere seek these courses and need this material. These are popular course topics at other leading universities.

EEL 6XXX **ECS-ECE** **3(3,0)**

Evolvable Hardware: PR: EEL 5722C or C.I. Evolvable digital and analog computing hardware, including intrinsic and extrinsic reconfigurable architectures, self-adapting circuits, and autonomous computing architectures. *Occasional.*

Abbrev: (18 of 30 chars) Evolvable Hardware

Rationale: Evolvable hardware lies at the intersection of evolutionary computation and physical design. These methods self-tune and optimize digital circuit operation that enables automatic design, adaptation, and reconfiguration of electrical systems in ways that can outperform conventional techniques. Additionally, investigating solutions to design challenges facing today's computing systems including technology scaling is another course learning outcome. This course topic is offered in the Computer Engineering program at other leading universities.

College of Health and Public Affairs Course Additions

HSA 5XXX **HPA-HMI** **3(3,0)**

Health Care Risk Management II: PR: HSA 5509. The Health Care Risk Management course is comprised of a total of 12 modules addressing key areas of the field. Health Care Risk Management I covers Modules 1-6 and Health Care Risk Management II covers Modules 7-12. Students must complete both courses in sequential order in order to apply for Risk Management licensure. *Spring, Summer, Fall.*

Abbrev: (21 of 30 chars) HC Risk Management II

Discussion with others: None - existing course being divided into two courses

Rationale: The course is currently offered as part of the UCF Department of Continuing Education. It contains 16 modules which exceeds the normal 3 credit hour workload. The majority of students ultimately need an Incomplete in the course at the end of the semester in order to finish the requirements after the normal semester. The proposed revision will split the course into

2 separate terms in order to reduce the work load and allow students to complete the course within a single semester time-frame. Students would be expected to register for both courses in consecutive terms. Students who do not complete both courses are not eligible to take the Florida Risk Management Licensure exam because they would not have fulfilled the minimum required hours of instruction. However, a student could still use one course as a 3 credit hour elective toward the HSA degree requirements.

College of Medicine Course Additions

Withdrawn by college.

MDE 8XXX **COM-MED** **6(6,0)**

Medical Spanish Elective: PR: At least two years of high school Spanish or equivalent language exposure. Designed for medical students with at least basic Spanish knowledge to improve their understanding of medical Spanish. *Spring, Summer, Fall.*

Abbrev: (24 of 30 chars) Medical Spanish Elective

2. Special Topics Additions

College of Education and Human Performance Special Topics Additions

Withdrawn by college. Resubmit in fall.

MHS 6XXX **ED-CFCS** **3(3,0)**

Psychopharmacology for Mental Health Professionals: PR: N/A. Students will learn about medication treatment of psychiatric disorders. In addition, the examination of the efficacy of psychoactive drugs will be discussed. *Occasional.*

Abbrev: (30 of 30 chars) Psychopharmacomentalthprof

Discussion with others: Dr. Gulnora Hundley (Counselor Education) contacted Dr. Deborah Beidel (Psychology Department) who indicated that the psychology department does not offer a psychopharmacology course for its students. Furthermore, Dr. Beidel indicated that the department would be interested in allowing its students to enroll in the course. The Social Work Department offers a similar course; however, that course is available to Social Work majors only.

College of Engineering and Computer Science Special Topics Additions

EEL 5937 **ECS-ECE** **3(3,0)**

Communications and Networking for Smart Grid: PR: EEL 4515C. Introduction to smart grid communication infrastructure, communication technologies in smart grid, communication networking in smart grid, communication for vehicle-to-grid systems, secure communication and networking *Occasional.*

Abbrev: (29 of 30 chars) Comm. & Networking Smart Grid

EEL 6938 **ECS-ECE** **3(3,0)**

Emerging Device Computing Architectures: PR: CDA 5106 or EEL 5708 or C.I. Post-CMOS logic devices. Spintronic logic and memory systems. Memristor-based processing elements. Logic-In-Memory and non-Boolean computing approaches. System design and performance assessment using application case studies. *Occasional.*

Abbrev: (25 of 30 chars) Emerging Device Comp Arch

Tabled. Further discussion needed with Statistics Department.

ESI 6938 **ECS-IEMS** **3(3,0)**

Optimization and Data Mining: PR: ESI 5306 or ESI 6418. Optimization modeling is widely used in operations research for a variety of applications such as scheduling, resource allocation, planning of facilities etc. In this course we will demonstrate another use of optimization, that of analyzing data. Basic optimization theory and popular data analysis algorithms from an optimization point of view. *Occasional.*

Abbrev: (23 of 30 chars) DM Apps of Optimization

Discussion with others: Comments were requested from Computer Science ("CS has no objections to this course" email from Dr. Gary Leavens, 3/30/2015 8:47 am) and Statistics.

Tabled. Committee requested written documentation regarding no conflict.

EMA 5937 **ECS-MSE** **3(3,0)**

Biomedical Sensor Fabrication, Characterization and Applications: PR: General graduate standing in Engineering, Biomedical Science, Biotechnology, Chemistry or related disciplines or C.I. Study of engineering and materials concepts behind the biomedical sensors currently used and under development, as well as technologies utilized in fabrication and characterization of these devices. *Occasional.*

Abbrev: (29 of 30 chars) Biomed Sens Fabr Char & Appls

Discussion with others: No overlap has been noted in an informal discussions with other faculty in Engineering. There are overlaps with specific modules such as some surface analysis, and with a Tissue Engineering class , but not for a general course that is meant to cover at a high level the materials principles of bioinstrumentation and biomedical sensors at a high level introductory level (does not require prerequisites).

College of Health and Public Affairs Special Topics Additions

HSA 5937

HPA-HMI

3(3,0)

Health Care Risk Management II: PR: HSA 5509. The Health Care Risk Management course is comprised of a total of 12 modules addressing key areas of the field. Health Care Risk Management I covers Modules 1- 6 and Health Care Risk Management II covers Modules 7-12. Students must complete both courses in sequential order in order to apply for Risk Management licensure. *Occasional.*

Abbrev: (26 of 30 chars) ST: HC Risk Management

II Discussion with others: None - existing course

Rationale: The course is currently offered as part of the UCF Department of Continuing Education. It contains 16 modules which exceeds the normal 3 credit hour workload. The majority of students ultimately need an Incomplete in the course at the end of the semester in order to finish the requirements after the normal semester. The proposed revision will split the course into 2 separate terms in order to reduce the work load and allow students to complete the course within a single semester time-frame. Students would be expected to register for both courses in consecutive terms. Students who do not complete both courses are not eligible to take the Florida Risk Management Licensure exam because they would not have fulfilled the minimum required hours of instruction. However, a student could still use one course as a 3 credit hour elective toward the HSA degree requirements.

College of Sciences Special Topics Additions

PHY 6938

COS-PHYS

3(3,0)

ST: Electrodynamics III: PR: PHY5346 and PHY6347. Advanced topics in propagation and radiation of electromagnetic waves, electro- and magneto-statics, ferromagnetism and anti-ferromagnetism, magneto-hydrodynamics. *Occasional.*

Abbrev: (19 of 30 chars) Electrodynamics III

Discussion with others: CREOL, Nanoscience and EECS: Responses received - available upon request.

Rationale: Graduate Electrodynamics I and II are required core courses, which cover traditional topics at a higher level of rigor than the undergraduate version of the same subjects. These courses emphasize standard core material to prepare students for the department candidacy exam. Many topics of importance to modern research are skipped for lack of time, and the

proposed course will cover some of this material. Physics graduate students must take electives as part of their programs of study, but the Physics department has been unable to offer a sufficient number of graduate electives to fulfill their requirement. Our graduate students currently have to take many of their electives in other departments and colleges, and we have no control over the content or scheduling of these offerings. The proposed course will partially remedy this situation.

3. Course Revisions

College of Arts and Humanities Course Revisions

Withdrawn by college.

~~DIG 5549C~~

~~Rapid Prototype Production II~~

~~3(1,~~

~~3) Experimentation, Application, and~~

DIG 5549

PR: ~~DIG 5548C~~ 5529C or C.I.

Innovation in Games

3(3,0)

~~Students engage Survey and development of games being used in interdisciplinary teams to create advanced rapid development projects. non-traditional applications, such as medical simulation, education and research.~~

Abbrev (28 of 30): ~~Rapid Prototype Production II~~ Experiment, App, Innov Games

Term Offered: ~~Fall~~ Spring

Discussion with others: No conflicts.

Rationale: This course is intended to encourage and motivate our students to explore and create interactive entertainment technologies outside of games. Such topics and expectations will include educational, military and medical simulations. Revision of the course is also at the recommendation of the 10-11 Academic Program Review.

Majors taking course: MS in Interactive Entertainment

There are no programs that list DIG 5549C.

College of Health and Public Affairs Course Revisions

CCJ 6362

Death Penalty

3(3,0)

PR: ~~Graduate standing~~ Admission to Criminal Justice graduate program or C.I.

Examines death penalty policies throughout the U.S., their administration, and deterrent issues. Rationale: Clarifying prerequisite. Students from outside of the department may be allowed to enroll, but would need approval from the department prior to registering.

There are no programs that list CCJ 6362.

CCJ 6366

Criminal Justice Responses to Domestic Violence 3(3,0)

PR: Admission to Criminal Justice graduate program and CCJ 6704 or C.I.

This course examines the criminal justice response to domestic violence. Particular emphasis is placed on historical responses, policy as well as an examination of the current role of police, prosecutors, defense attorneys and magistrates in handling domestic assault and battery.

Abbrev (30 of 30): ~~CJ Responses to Domes Viol~~ CJ Responses to Domes Violence
Discussion with others: Discussion held with Department of Sociology. They found no conflicts. (See attachment from department)
Rationale: Clarifying prerequisite. Students from outside the program may be allowed to enroll, but would need approval from the department prior to registering.
There are no programs that list CCJ 6366.

CCJ 6702

Advanced Research Methods in Criminal Justice 3(3,0)

PR: Admission to Criminal Justice graduate program Research track and CCJ 6704.
Exposes students to the application of research methods in criminal justice. This course serves as the capstone experience for the Research Track.
Term Offered: ~~Fall~~ Spring
Rationale: Clarifying prerequisite. Students from outside the program may be allowed to enroll, but would need approval from the department prior to registering.
There are no programs that list CCJ 6702.

CJL 6520 American Criminal Courts 3(3,0)

PR: ~~Graduate standing~~ Admission to Criminal Justice graduate program or C.I.
Critically study and evaluate day-to-day discretionary decisions of prosecutors, judges and defense attorneys and identify how their decisions shape the broad discretionary power this institution yields.
Rationale: Clarifying prerequisite. Students from outside the program may be allowed to enroll, but would need approval from the department prior to registering.
There are no programs that list CJL 6520.

HIM 6123C

Health Informatics

~~Applications-Administrative, Financial, Clinical Project Mgmt~~

4(3,1) Project Management in

Health Care Informatics

PR: Admission to M.S. in Health Care Informatics or C.I.
This course integrates clinical, financial and administrative data to resolve managerial and patient care problems.

Abbrev (25 of 30): ~~Health Informatics Application-Project Management in HCI~~

Rationale: Accreditation requires a project management course in the curriculum. The previous course name Health Informatics Applications-Administrative, Financial, Clinical Project Management did not accurately represent the content of the course which focuses on project management in the Health Care Informatics profession.

There are no programs that list HIM 6123C.

HIM 6124C Health Care Data Architecture and Modeling 4(3,1)

PR: ~~HIM 5118C; HIM 6119C~~ 5118C or C.I.
The course integrates the key issues and techniques surrounding data architecture, modeling and standards in health care informatics.

Discussion with others: None - existing course

Rationale: Change to correct prerequisites only. Majors taking course: Health Care Informatics There are no programs that list HIM 6124C.

HSA 5509

Health Care Risk Management

3(3,

0) Health Care Risk Management I

PR: Admission to M.S. in Health Services Administration or C.I.

~~This course examines the~~ Examines background, history and philosophy of health care risk management including ~~clinical risks, malpractice, interpreting contracts~~ management. The Health Care Risk Management course is comprised of a total of 12 modules addressing key areas of the field. Health Care Risk Management I covers Modules 1- 6 and insurance and ethical decision making. Health Care Risk Management II covers Modules 7-12. Students must complete both courses in sequential order in order to apply for Risk Management licensure.

Abbrev (20 of 30): Health Care Risk Management-HC Risk Management I

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

Discussion with others: None - existing course

Rationale: The course is currently offered as part of the UCF Department of Continuing Education. It contains 16 modules which exceeds the normal 3 credit hour workload. The majority of students ultimately need an Incomplete in the course at the end of the semester in order to finish the requirements after the normal semester. The proposed revision will split the course into

2 separate terms in order to reduce the work load and allow students to complete the course within a single semester time-frame. Students would be expected to register for both courses in consecutive terms. Students who do not complete both courses are not eligible to take the Florida Risk Management Licensure exam because they would not have fulfilled the minimum required hours of instruction. However, a student could still use one course as a 3 credit hour elective toward the HSA degree requirements.

There are no programs that list HSA 5509.

HSA 6128

Health Care Services Management

3(3,0)

PR: Admission to the Health Services Administration graduate program or C.I.

~~Conceptization~~ Broad perspective on conceptualization and development of marketing and customer service in health care organizations. The focus is organizations focusing on the links between theory and practical applications. State-of-the-art methods from best customer service organizations will be reviewed along with impact of social media and mobile technologies on marketing.

Discussion with others: N/A course has already been approved and no conflicts identified.

Rationale: Course is currently offered as part of the core and will continue as a core course.

Majors taking course: MS-HSA

HSA 6195

Management and Health Information

Systems

3(3,0)

PR: Admission to Health Services Administration graduate program or C.I.

This course is designed to introduce students to health care information systems and current issues related to effective management of these systems and health data. Specifically, students will gain insight into clinical information systems, their implementation, and the overall importance of aligning these systems with organizational goals.

Term Offered: ~~Summer~~ Spring

Discussion with others: N/A Course has already been approved and no conflicts identified; simply making switch from elective to core of the curriculum

Rationale: Course is currently offered as an elective. However, our accreditation board, CAHME, has indicated that this is a competency that is required for accreditation that we are not currently fulfilling by offering the course as an elective. By moving this to our core curriculum we will be satisfying accreditation standards.

Majors taking course: MS- HSA

College of Medicine Course Revisions

SPLIT COURSE

MCB 5225

Molecular Biology of Disease

3(3,0)

PR: Graduate standing or C.I.

An in-depth study of the molecular biological mechanism of diseases in experimental animal models and human populations.

Rationale: This course provides students with an in-depth knowledge of current advances in the molecular mechanisms underlying human diseases. Topics include autoimmunity, neurodegeneration, aging, drug addiction, obesity, and cancer. The course format will consist of lectures, discussions, and student presentations. The aim of this course is to demonstrate how various disciplines can be integrated into modern medicine and how the information can be used for drug discovery in the treatment or cure of human diseases.

Majors taking course: Biomedical MS, Biotechnology MS, Biomedical Ph.D.

There are 3 programs that list MCB 5225: Biotechnology (B.S.), Biomedical Sciences (B.S.), Biomedical Sciences - Preprofessional Concentration (B.S.)

Withdrawn by college.

~~**MCB 5654C** **Applied Microbiology** **3(3,0)**~~
~~**MCB 5654C** **Applied Industrial Microbiology** **3(1,6)**~~

~~PR: MCB 3020C, BSC 3403C or C.I.~~

~~Microbial biochemistry Combination of molecular and biochemical analyses with applied industrial processes including: economics, screening, scale up, quality control and applied genetics. microbiology projects.~~

~~**Abbrev (24 of 30): Applied Microbiology Applied Industrial Micro**~~

~~Term Offered: Occasional~~

~~Discussion with others: We are unaware of another Applied Industrial Microbiology course. The pilot projects used to establish the presented syllabi involved interdisciplinary collaborations with the laboratories of Dr. Andrew Randall (civil/environmental engineering: quantification of~~

~~microbial populations in water treatment bioreactors), Dr. Ayman Abouraddy (CREOL: evaluating the release of antibiotics from novel biofilms), and Dr. James Harper (Chemistry:~~

identifying the species of fungi that produce bioactive compounds). We anticipate continued collaborations with these groups (and others) as the course modules evolve.

Rationale: The existing graduate-level course is under utilized and there is demand for an undergraduate offering in Applied Industrial Microbiology. Rather than create a new course code, a request is made to form a split-level course, which will allow undergraduate training and maintain the existing option for graduate participation. A name change is also requested to better align the title with the intention of the course.

Majors taking course: Biomedical Sciences M.S., Biotechnology M.S., Biomedical Sciences Ph.D. There are 2 programs that list MCB 5654: Biotechnology (B.S.), Biomedical Sciences (B.S.)

4. Course Deletions

College of Health and Public Affairs Course Deletions

CCJ 7930

HPA-CJ

3(3,0)

Seminar in Criminal Justice Policy Analysis PR: Admission to PhD program or C.I.

Criminal justice policy formulation, implementation, and evaluation, with special emphasis on problems of conceptualization and methodology.

Discussion with others: No need. This course has not been offered in years.

Rationale: We will not be offering this course again. It was designed in the early stages of the PAF doctoral program and has not been offered or used for at least 10 years. If we use a policy class, we will use our policy class in the master's program.