Minutes
Graduate Council Curriculum Committee
November 15, 2017
2:30 p.m., Millican Hall 395E

Members Present: Charles Kelliher, Kerry Purmensky, Art Weeks, Steven Ebert, Diane Andrews, Cheyenne Ro, Terrie Sypolt

Administrators and Guests Present: Devon Jensen, Mark Hall, Ken Fedorka, David Hagan, Ross Wolf, Ranetta Guinn, Martha Brenckle, Brandy Pieper, Aubrey Jayanama, Keisha Hoerrner, Lindsay Archaubault, Richard Hartshorne, Mostafa Bassiouni, Jesse Mendez, Naim Kapucu, Claire Knox, Qian Hu, Junjian Qi, Earl Weaver, Julia Listengarten, Alan Fyall, Robert Littlefield

Recorder: Emily Stettner

Welcome and call to order. Dr. Charles Kelliher, chair, called the meeting to order at 2:31 p.m. and welcomed the committee and guests. A quorum was established. The minutes (curriculum, course) from the October 18, 2017 meeting were reviewed and approved.

Updates to Strategic Communication PhD
Dr. Robert Littlefield presented the completed updates to the Strategic Communication PhD as requested by the Committee. The changes are: 1. Catalog copy - clarified wording for admission requirements. 2. Course title Changes: Instructional Communication in Strategic Contexts, Rhetorical Criticism of Strategic Communication, Theory Building for Strategic Communication. 3. Discussed Rhetorical Criticism course with Writing and Rhetoric-Dr. Lindsay Neuberger met with Dr. Stephanie Vie, sent email approval. 4. Included email approval of Teaching Communication & Instructional Communication from College of Education & Human Performance. Dr. Tim Brown received email from Dr. Jesse Perez Mendez, Associate Dean of Academic Affairs. Dr. Littlefield explained the proposal received positive feedback and Met with Strength ratings on most criteria from the Graduate Program Review and Awards Committee. The program will now move to the next level of review.

Addition of RCHM Hospitality and Tourism Technologies Graduate Certificate program effective Fall 2018.
Dr. Alan Fyall gave a description of the Certificate stressing the importance of technology in the hospitality management industry. All courses in the proposed certificate are current electives in the Master’s degree. The Certificate courses could be transferred in to the Master’s degree once a student is granted admission to the Master’s. The program addition received unanimous approval.

Addition of COHPA Emergency and Crisis Management MECM program effective Fall 2018.
Dr. Claire Knox presented the new program. The program has received industry support and support from a variety of organizations including FEMA. The program is geared towards students in the military, certificate programs, and those mid-career in the industry. Emergency and Crisis Management is one of the fastest growing career fields and this program will have increased accessibility as it will be offered online. The courses will have consent of the
instructor to allow for course access from other programs. The courses will be offered regularly. The program addition received unanimous approval.

Addition of COHPA Public Policy Analysis Graduate Certificate program effective Fall 2018.
Dr. Qian Hu explained the certificate will offer students a formal path to specialize in public policy. The Public Administration accrediting body recommends training in this field and existing studies show a growing need for knowledge and skills related to public policy. The Committee pointed out that a library assessment was not included in the documentation. The certificate addition was tabled until the library assessment is completed.

Revision of CAH Theatre MA program effective Summer 2018.
Earl Weaver explained the revision is to add a Musical Theatre concentration to the existing Theatre MA program. The new concentration will use existing faculty and resources and hopes to strengthen the existing Master's program. The program revision received unanimous approval.

Revision of CEHP Educational Technology (Instructional Design and Technology) Graduate Certificate program effective Summer 2018.
Dr. Richard Hartshorne explained the revision is replace course EME 6226 which is too advanced for the program and replace it with course EME 6613. The program revision received unanimous approval.

Revision of CEHP Instructional Design and Technology Track of Instructional Systems MA program effective Summer 2018.
Dr. Richard Hartshorne explained the revision is to give students flexibility in course selection. The revision will merge two courses into a single practicum course. The program revision received unanimous approval.

Revision of CEHP Instructional Design and Technology Track of Educational Technology MA program effective Summer 2018.
Dr. Richard Hartshorne explained the revision is to align all of the tracks in the Master’s program with the same number of specialization and elective hours. The revision will move three hours of specialization courses to elective hours. The program revision received unanimous approval.

Revision of CEHP Initial Teacher Professional Preparation Graduate Certificate program effective Summer 2018.
Dr. Lindsay Archambault explained the revision is to remove a co-requisite course that is currently required. This revision would change the total required hours from 18 to 15. The Committee raised a question if this would impact the Certificate’s eligibility for financial aid. Dr. Archambault researched with the College of Education and Human Performance and the Office of Student Financial Assistance and decided not to move forward with the request.

Addition of COS split level course: PCB 4XXXc/5XXXc Wetland Ecology & Biogeochemistry.
Dr. Ken Fedorka explained students at both the undergraduate and graduate level have shown interest in this course as the study of wetlands is an important topic of study in Florida. This
course will be offered as an elective for all students. The split level course addition received unanimous approval.

Addition of COS split level course: BOT 4XXXL/5XXXL Plant Microtechniques. Dr. Ken Fedorka explained the course will offer students laboratory experience. This course will be offered as an elective for all students. The split level course addition received unanimous approval.

Equipment Fees. The four equipment fee requests were tabled for policy clarification.

Courses and special topics. To review the list of approved courses, please see the attached course minutes.

Adjournment. The meeting adjourned at 3:33p.m. An additional meeting was scheduled for November 29, 2017 to address the outstanding agenda items for the Fall semester.
Courses with “Not reviewed” label were not reviewed at the November 15, 2017 meeting due to time constraints. These courses will be reviewed at the next meeting on November 29, 2017.

1. Course Additions

**College of Arts and Humanities Course Additions**

**Approved**

<table>
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<tr>
<th>Course Code</th>
<th>Description</th>
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<tr>
<td>ENC 5XXX</td>
<td>Seminar for Peer Writing Consultants: PR: Graduate Standing or C.I. Explore writing center research and practice on a professional level. <em>Spring, Fall.</em> Abbrev: <em>(30 of 30 chars)</em> Seminar for Writing Consultant Repeat For Credit: True Max Times: 3 Discussion with others: This course is part of the peer consultant professional development; there are no conflicts with other departments or discipline. Rationale: The graduate students who work as peer writing consultants must attend these weekly seminars and focus on a research project. They do not need the additional credits, but the department would like the students to receive recognition for their work on their transcripts.</td>
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| ENC 6XXX    | Rhetoric of Health and Medicine: PR: Graduate Standing or C.I. How health and medical rhetorics function in society; will study the rhetorical dimensions of clinical care, public health, patient advocacy, and personal health management. *Occasional.* Abbrev: *(22 of 30 chars)* Rhet Health & Medicine Discussion with others: This course is specific to the field of rhetoric and there should be no conflicts with other departments. However, English, COHPA, and Communications have been consulted and there are no issues. Emails attached. Rationale: The rhetoric of health and medicine is a growing and important sub-field in Rhetoric and Writing Studies. Graduate students have successfully defended theses in the sub-field and have networked with COHPA and COM. We would like to make the opportunity to study in this area available to more students. |

Tabled-Overlap consultation with the College of Nursing needed
College of Engineering and Computer Science Course Additions

Not reviewed
CAP 5XXX CECS-CS 3(3,0)
Medical Image Computing: PR: MAS 3105 and COP4020 or COT4210. This course provides students with the foundation necessary for understanding, visualizing, and quantifying medical images with computational methods. Spring.
Abbrev: (23 of 30 chars) Medical Image Computing
Discussion with others: There are no duplications or conflicts with other departments. We consulted with both Biomedical Sciences and Electrical and Computer Engineering, and both had no objections.

Attachment includes Two Syllabus (one from Spring 2016 and one from Spring 2017).
Rationale: This has been taught as a Special Topics (ST) course for the second time. The course fills a gap between biomedical/clinical sciences and computer science. Imaging Science is experiencing tremendous growth. Radiology applications offer unique opportunities to computer scientists such as developing computer algorithms for automated diagnosis systems, decision support systems, visualization algorithms, etc. However, unlike other fields, radiology and nuclear medicine, real clinical imaging applications require extensive knowledge about specific algorithms which are not available in machine learning, image processing, and computer vision courses.

Not reviewed
EEL 5XXX CECS-ECE 3(3,0)
Power System Detection and Estimation: PR: EEL 4216. This is an advanced course to power systems engineering, designed to provide students with the knowledge of power system detection and estimation methods. Occasional.
Abbrev: (24 of 30 chars) Detection and Estimation
Discussion with others: N/A
Rationale: This course will provide students state-of-the-art knowledge of data-driven detection and estimation methods in power system based on synchrophasor measurements.

College of Health and Public Affairs Course Additions

Approved
PAD 6XXX HPA-PUB 3(3,0)
Advanced Concepts and Applications in Emergency and Crisis Management: PR: All core courses in Master of Emergency and Crisis Management. Combines knowledge and skills gained and applies them in an integrative manner to challenges facing emergency managers today. Provides foundation to be an effective leader in emergency management. Spring, Summer, Fall.
Abbrev: (30 of 30 chars) Adv Concpts and Apps Emer Mgmt
Discussion with others: Contacted Political Science department- No Conflicts - please see attachments.
Rationale: This course provides graduating students with a summative experience allowing them to tie together what they have learned. This course is designed to help students further recognize and develop their knowledge, understanding, and skills for working effectively in organizations and networks. The aim is for students to build on their strengths to be effective leaders and emergency management specialists.
Majors taking course: Master of Emergency and Crisis Management

College of Medicine Course Additions - Not Reviewed

MDE 8XXX COM-MED 6(6,0)
Diagnostic and Interventional Radiology Elective: PR: Completion of the M3 year. A fourth year elective for eligible medical students in diagnostic and interventional radiology. Spring, Summer, Fall.
Abbrev: (35 of 30 chars) Diagnostic/Interventional Radiology
Majors taking course: none

MDE 8XXX COM-MED 6(6,0)
Pediatric Ultrasound Elective: PR: Completion of the M3 year. This two or four week elective rotation, open to fourth year medical students, will provide a broad learning experience in pediatric ultrasound. Spring, Summer, Fall.
Abbrev: (24 of 30 chars) Peds Ultrasound Elective
Majors taking course: none

MDI 8XXX COM-MED 6(6,0)
Acting Internship in Adult Orthopaedic Surgery: PR: Completion of the M3 year. This fourth year medical student rotation is structured to develop clinical skills in the six ACGME competencies as they apply to adult orthopaedic surgical care. Spring, Summer, Fall.
Abbrev: (25 of 30 chars) AI in Adult Ortho Surgery
Majors taking course: None

College of Sciences Course Additions

Approved
Split Level Course
BOT 5XXXL COS-BIOL 2(0,6)
Plant Microtechniques: PR: BOT 4223C or C.I. Introduction to techniques used in the preparation of microscope slides/specimens of vascular plants, including infecting organisms.
Even Spring.
**Plant Microtechniques**

**Discussion with others:** N/A

**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 Sciences, Nanotechnology, Chemistry

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**Wetland Ecology & Biogeochemistry**

**Abbrev:** (21 of 30 chars) PCB 5XXXC

**Discussion with others:** No similar courses are currently offered.

**Rationale:** This class provides opportunities for graduate students to learn about wetland ecology and biogeochemical cycling and gain valuable field and laboratory skills.

**Majors taking course:** Elective for MS or PhD in Biology

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**Advanced Topics in Partial Differential Equations**

**Abbrev:** (23 of 30 chars) MAP 7XXX

**Discussion with others:** Mechanical and Aerospace Engineering department was contacted and replied that there are no conflicts.

**Rationale:** Partial Differential Equations are widely used in mathematical modeling of sciences and engineering. This course will give graduate students in Mathematics the opportunity to gain valuable knowledge and skills in this important field.

**Majors taking course:** Ph.D. in Mathematics

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**International Relations of Africa**

**Abbrev:** (30 of 30 chars) INR 6XXX

**Discussion with others:** We have obtained email approval from the departments of History and Anthropology.
Rationale: The course will expand the department's current offerings for both the MA and PhD programs, which currently only offers regional graduate international relations coursework on the Middle East and Caspian Sea States. The course will also directly contribute to the graduate certificate in Intelligence and International Security. Majors taking course: None

Rosen College of Hospitality Management Course Additions- Approved

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<thead>
<tr>
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<th>Title</th>
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| HMG 6XXX    | RCHM-HSP SERV | Social Media in Hospitality and Tourism | HMG 6446 or Graduate Director Permission. | Analysis of hospitality/tourism industry social media marketing and management strategies. Spring. Abbrev: (30 of 30 chars) Social Media in Hosp & Tourism Discussion with others: The course syllabus was sent to Dr. Gary T. Leavens, Chair Department of Computer Science. He replied that: "Computer Science has no objection to these two classes: "Digital Marketing and Big Data Management for Hospitality and Tourism" or "Social Media in Hospitality and Tourism". We consider these specialized enough to the hospitality and tourism industry that they do not interfere with offerings in Computer Science, which are about more general principles of big data and social network analysis."
Rationale: Based on the feedback received from Rosen College students, faculty and the Hospitality Management Advisory board, this new course is recommended by the Hospitality Services Department to enrich the graduate curriculum in Hospitality Management. This course will also form part of a new graduate certificate in Hospitality & Tourism Technologies. Majors taking course: MS in Hospitality and Tourism Management |

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| HMG 6XXX    | RCHM-HSP SERV | Digital Marketing and Big Data Management for Hospitality and Tourism | HMG 6446 or Graduate Director Permission. | Overview of the utilization and application of digital marketing and big data management in the hospitality industry. Fall. Abbrev: (28 of 30 chars) Dig Mktg Data Mgmt Hosp Tour Discussion with others: The course syllabus was sent to Dr. Gary T. Leavens, Chair Department of Computer Science. He replied that: "Computer Science has no objection to these two classes: "Digital Marketing and Big Data Management for Hospitality and Tourism" or "Social Media in Hospitality and Tourism". We consider these specialized enough to the hospitality and tourism industry that they do not interfere with offerings in Computer Science, which are about more general principles of big data and social network analysis."
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2. Special Topics Additions

**College of Engineering and Computer Science Special Topics Additions - Not reviewed**

CAP 6938 CECS-CS 3(3,0)
**ST: Data Mining in Bioinformatics**: PR: MAS 3105. Summarize computational techniques for bridging two fields: data mining and bioinformatics, for successful mining of large-scale biological data. Occasional.

**Abbrev: (29 of 30 chars)** Data Mining in Bioinformatics

**Discussion with others**: The Dept. of Statistics looked into this and saw some overlap with their courses in Data Mining Methodology. However, they wrote that "Department of Statistics has no objection to the proposed course."

EEL 5937 CECS-ECE 3(3,0)
**Software-Defined Networking**: PR: EEL 4781. Principles of internetworking architectures; and their projections on function placement and decomposition as well as various network protocol elements such as routing, naming, and addressing. Implications of network economics on the evolution and practice of network architectures and systems. Multi-provider inter-ISP economics: Pricing, peering, edge-to-edge tussle, neutrality, fairness, and openness. Networking and population effects and their impact on the scale of the network design: power laws and scale-free composition. Occasional.

**Abbrev: (27 of 30 chars)** Software-Defined Networking

**Discussion with others**: Engaged a conversation with CS faculty (Drs. Bassiouni, Zhou, Turgut, and Chatterjee) for their feedback. There were no objections (email conversation attached).

EEL 5937 CECS-ECE 3(3,0)
**Advanced Memory Systems**: PR: EEL 4768. The key goal of this class is to relate the fundamental concepts of computer architecture to current issues and research directions. The course will study the potentials of new memory technologies, such as NVMs and Die-Stacked DRAM, for building future computing systems. Occasional.

**Abbrev: (23 of 30 chars)** Advanced Memory Systems

**Discussion with others**: Computer Science reviewed and didn't have objections

EEL 5937 CECS-EECS 3(3,0)
**Power System Detection and Estimation**: PR: EEL 4216. This is an advanced course to power systems engineering, designed to provide students with the knowledge of power system detection and estimation methods. Occasional.

**Abbrev: (24 of 30 chars)** Detection and Estimation
College of Optics and Photonics Special Topics Additions

OSE 6938 OPT-OPT 3(3,0)
ST: Infrared Systems: PR: GS, CI. Provides a means for determining infrared system performance. Topics include components, radiometry, diffraction, etc., which are combined to provide system resolution, sensitivity, and visual acuity. Occasional.
Abbrev: (20 of 30 chars) ST: Infrared Systems
Discussion with others: EE/Kalpathy Sundaram: No overlap with ECE courses. Approved.
Phy/Eduardo Mucciolo: No overlap with Physics courses.

3. Course Revisions

College of Arts and Humanities Course Revisions

Not reviewed
AMH 5566 Colloquium: Women in American History 3(3,0)
HIS 5XXX Colloquium: History of Women and Gender
PR: Graduate standing or senior standing or C.I.
Intensive reading and class discussion. Readings on selected topics in the history of Women in American History from colonial time to the present. gender and women.
Abbrev (16 of 30): Colloq: Women in Amer History Women and Gender
Repeat For Credit: No Yes Max Times: 1 3
Discussion with others: I have been in touch with Dr. MC Santana and she supports the revision. Email attached.
Rationale: We are revising this course so we can offer it regularly to both history MA students and students in the Gender Studies Certificate. Limiting the course to US history prevents many of our faculty from teaching the course. By removing the national specificity, we globalize the course, allowing a range of faculty to offer a transnational approach. We have faculty in Asian, and European history qualified to teach Women and Gender history in addition to Americanists. This revision will be useful for both History and Gender studies certificate MA students. There are no programs that list AMH 5566.

Approved
TPA 5405 Theatre Management for Non-Majors 3(3,0)
PR: THE 2020 or THE 2000, graduate status, Graduate standing or C.I.

Theatre Management
Study of university, community, and professional theatre management with special attention to the principles of management to include management skills/function and organizational systems/performance as they relate to theatre organizations/institutions.

**Abbrev (18 of 30): Theatre Mgmt for Non Majors - Theatre Management**

**Term Offered:** Odd Fall

**Rationale:** We are cleaning up the title. The students who are required to take this class are theatre majors, therefore the non-majors part of the form is misleading. **Majors taking course:** Theatre MA and TYA MFA students (elective)

There are no programs that list TPA 5405.

**Approved**

**TPP 5754 - Musical Theatre Voice I**

2(2,0)

PR: Admission to MA or MFA Musical Theatre program.

Introduction to Estill Voice study devoted to the diagnosis and development Training Systems. Study of the singing voice anatomy and its application physiology of the voice, diction at a distance, and learning compulsory figures. Application of the figures to musical theatre performance placing particular emphasis upon vocal technique, repertoire (spoken or sung) as a means of problem solving.

**Term Offered:** Fall Odd Summer

**Rationale:** We are changing the class from performance oriented to pedagogical orientation. Focus on new class will be to train teachers towards certification as an Estill educator rather than performer. This course is up for 5-year review and we wish to continue this course.

**Majors taking course:** Theatre MA

There are no programs that list TPP 5754.

**Approved**

**TPP 6755 - Musical Theatre Voice II**

2(2,0)

PR: Admission to MA and MFA Musical Theatre program.

Advanced voice study placing particular emphasis upon textual analysis and characterization.

**Term Offered:** Spring Even Summer

**Rationale:** We are changing the class from performance oriented to pedagogical orientation. Focus on new class will be to train teachers towards certification as an Estill educator rather than performer. This course is also up for 5-year review and we wish to continue this course.

**Majors taking course:** Theatre MA

There are no programs that list TPP 6755.

**College of Engineering and Computer Science Course Revisions - Not reviewed**

**COT 6600 - Quantum Computing**

3(3,0)

**COT 5XXX**

PR: COT 5405, COP 3503C.
This course introduces basic concepts in quantum circuits and quantum algorithms.

Term Offered: Occasional Spring

Discussion with others: There are no duplications with any departments. Physics said "We have absolutely no objection. In fact, this course should have been taught at the 5000 level all along. ... It’s accessible to undergraduate seniors in physics and computer science." The ECE department had no objections.

Rationale: There are currently two courses in quantum information science at the 6000-level: COT6600 "Quantum Computing" and COT6602 "Introduction to Quantum Information Theory". The instructor asks to change the level of the COT6600 to 5000-level so it can serve as an introductory field to quantum information science that is also available to undergraduates. There are several undergraduate students who are very much interested in this research topic but cannot take any course in this field. Interested graduate students can take the advanced follow-up COT6602.

There are no programs that list COT 6600.

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<tr>
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<th>Credits</th>
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<tbody>
<tr>
<td>ESI 5419C</td>
<td>Engineering Applications of Linear and Nonlinear Optimization</td>
<td>3(2,2)</td>
</tr>
<tr>
<td>ESI 5419</td>
<td>Engineering Applications of Linear, Nonlinear and Integer Programming</td>
<td>3(3,0)</td>
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PR: ESI 4312 or ESI 5306.

Course This course covers linear, nonlinear, and nonlinear optimization integer programming applications in production planning, staffing, engineering design, distribution networks, and other engineering areas. Focuses on practicing or analyses.

Term Offered: Occasional Odd Spring

Discussion with others: No conflicts as this is revising a preexisting course.

Rationale: This is a very important course for Industrial Engineering and Management Systems. This class offers student the state of the art applications using IEMS core knowledge, e.g., optimization, operations research, etc.

There are no programs that list ESI 5419C.

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<tr>
<td>BME 5216C</td>
<td>Mechanics of Biostructures I</td>
<td>3(2,3)</td>
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<td>3(3,2)</td>
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Graduate standing or C.I.

Part I of a two semester course. Mechanical analysis of hard and soft tissues and prosection lab on human anatomy and physiology.

There are no programs that list BME 5216C.

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<tbody>
<tr>
<td>BME 5217C</td>
<td>Mechanics of Biostructures II</td>
<td>3(2,2)</td>
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<td>3(3,1)</td>
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BME 5587C 5216C or C.I.
Part II of a two semester course. Cell physiology and engineering principles applied to analysis of cellular processes and prosection anatomy lab on human anatomy and physiology. There are no programs that list BME 5217C.

**BME 5268C**  
**Applied and Computational Biofluids**  
3(2,2)

**BME 6XXXC**

PR: EML 3701 and 3701, EGM 3604 3601, BME 5267, or C.I.

Principles and foundations of applied fluid mechanics and computational methods to the human circulation.  
**Rationale:** Increased content to justify move from 5XXX to 6XXX  
**Majors taking course:** Bio-Medical Engineering  
There is 1 program that lists BME 5268C: Bioengineering - Minor

**EML 6295**  
**Sensors and Actuators for Micro Mechanical Systems**  
3(3,0)

PR: EML 5060, EML 6211, or C.I.

**Rationale:** This course was scheduled to be offered in Spring 2015. However, it eventually was canceled due to the sabbatical leave of the instructor and no other MAE faculty was able to teach this subject. The MAE Department has a plan to offer it in Fall 2018 in order to continue this course on the course catalog.  
There are no programs that list EML 6295.

**EML 5572**  
**Probabilistic Methods in Mechanical Design**  
3(3,0)

PR: EML 3500, STA 3032, 3032 and EML3500 or EAS4200.

Uncertainty modeling in design. Use design and analysis of probabilistic mathematics to assess strength, stiffness, toughness, industrial equipment and stability. Applications: engineering systems (data analytics, quality control, and reliability engineering).  
**Rationale:** The proposed revision on the course content has no duplications and conflicts with other departments and colleges.  
There are no programs that list EML 5572.
EMA 5108  Surface Science  3(3,0)
PR: PHY 2049C and EGN 3365 or EMA 3706 or C.I.
Methods: This course focuses on the physics underlying the techniques used to analyze the surface region of chemical and physical analysis materials. This course also addresses the fundamentals of surfaces, with emphasis on ultra-high vacuum spectroscopics utilizing electron, ion and photon probes. These processes.
Rationale: EMA 5108 is an elective course for MSE graduate students. Due to the lack of faculty, it has not been offered in the five-year period. With four new faculty members joined MSE last year, we plan to offer EMA 5504 in Spring 2019. There are no programs that list EMA 5108.

EMA 5415  Electronic Principles of Materials Properties  3(3,0)
PR: EGN 3365 or EMA 3706 or C.I.
The course covers the fundamental concepts of band structure and bonding of materials, electrical and thermal conduction in metals, semiconductors, and dielectric. The interaction between light and matter will be addressed and the important concepts such as excitons will be introduced.
Rationale: EMA 5415 is an elective course for MSE graduate students. Due to the lack of faculty, it has not been offered in the five-year period. With four new faculty members joined MSE last year, this course will be in Spring 2018.
There is 1 program that lists EMA 5415: Materials Science and Engineering - Minor

EMA 5504  Modern Characterization of Materials  3(2,2)
PR: EMA 5104 or C.I.
The course overviews the modern characterization instrumentation for contemporary materials science and engineering studies and aims to understand their scientific significance, operation of instrumentation (light, scanning, transmission, principles, and auger microscopy) for the characterization of structure, defects, composition, and surfaces. Technological applications.
Rationale: EMA 5504 is an elective course for MSE graduate students. Due to the lack of faculty, it has not been offered in the five-year period. With four new faculty members joined MSE last year, we plan to offer EMA 5504 in Spring 2019. There are no programs that list EMA 5504.

College of Health and Public Affairs Course Revisions- Not reviewed

Policy and Program Evaluation for Public
PAF 7325
PR: Admission to Public Affairs Ph.D. or C.I. PR: PAF 7802 and PAF 7804.
The course is designed to use empirical information to assess the effectiveness of policies and programs in public and nonprofit settings. There are no programs that list PAF 7325.

Full-Time MSW Generalist Field Education and Seminar I
SOW 5538  3(3,0)
Full-time MSW Generalist Field
Integrative Seminar I 1(1,0)
PR: Admission to Master of Social Work program or C.I.; CR: SOW 5305, 5305 and SOW 5940.
Field education seminar for full-time MSW generalist students; includes seminar and supervised
practice of social work in an agency for 200 clock hours. Graded S/U. students
Abbrev (30 of 30): FT MSW General Field/Seminar I FT MSW General Field Seminar I
Graded SU: Yes No
There are no programs that list SOW 5538.

SOW 5539
Full-Time MSW Generalist Field Education
and Seminar II 3(3,0)
Full-Time MSW Generalist Field Integrative Seminar II 1(1,0)
PR: SOW 5538; CR: SOW 5306, 5306 and SOW 5940.
Field education seminar for full-time Master of Social Work generalist students; includes seminar
and supervised practice of social work in an agency for 200 clock hours. Graded S/U. students
Abbrev (30 of 30): FT MSW General Field/Seminar 2 FT MSW General Field Seminar 2
Graded SU: Yes No
Rationale: The current course structure for the Generalist Field courses (Full-time and Part-time)
combines the field hours and classroom seminar in one course. A new Generalist Field course was
created to separate the field component and allow for pass/fail grading. Therefore, the existing
classes are being restructured to remove the field component and change the now Seminar-only
course to letter grading.
There are no programs that list SOW 5539.

Part-Time MSW Generalist Field Education
SOW 5565
and Seminar I 2(2,0)
Part-Time MSW Generalist Field Integrative Seminar I 1(1,0)
PR: SOW 5305; CR: SOW 5306, 5306 and SOW 5940.
Field education seminar course for part-time Master of Social Work MSW generalist students;
includes seminar and supervised practice of social work in an agency for 150 clock hours.
Graded S/U. students.
Abbrev (30 of 30): PT MSW General Field/Seminar 1 PT MSW General Field Seminar 1 Graded
SU: Yes No
Rationale: The current course structure for the Generalist Field courses (Full-time and Part-time)
combines the field hours and classroom seminar in one course. A new Generalist Field course was
created to separate the field component and allow for pass/fail grading. Therefore, the existing
classes are being restructured to remove the field component and change the now Seminar-only
course to letter grading.
There are no programs that list SOW 5565.
Part-Time MSW Generalist Field Education and Seminar II
SOW 5566
Part-Time MSW Generalist Field Integrative Seminar II
2(2,0) 1(1,0)
PR: SOW 5565; CR: SOW 5306. 5940.
Field Education education seminar for part-time Master of Social Work MSW generalist students; includes seminar and supervised practice of social work in an agency for 150 clock hours. Graded S/U. students
Abbrev (30 of 30): PT MSW General Field/Seminar 2 PT MSW General Field Seminar 2 Graded SU: Yes
No
Rationale: The current course structure for the Generalist Field courses (Full-time and Part-time) combines the field hours and classroom seminar in one course. A new Generalist Field course was created to separate the field component and allow for pass/fail grading. Therefore, the existing classes are being restructured to remove the field component and change the now Seminar-only course to letter grading.
There are no programs that list SOW 5566.

Part-Time MSW Generalist Field Education and Seminar III
SOW 5567
Part-Time MSW Generalist Field Integrative Seminar III
2(2,0) 1(1,0)
Field Education education seminar course for part-time Master of Social Work MSW generalist students; includes seminar and supervised practice of social work in an agency for 100 clock hours. Graded S/U. students
Abbrev (30 of 30): PT MSW General Field/Seminar 3 PT MSW General Field Seminar 3 Graded SU: Yes
No
Rationale: The current course structure for the Generalist Field courses (Full-time and Part-time) combines the field hours and classroom seminar in one course. A new Generalist Field course was created to separate the field component and allow for pass/fail grading. Therefore, the existing classes are being restructured to remove the field component and change the now Seminar-only course to letter grading.
There are no programs that list SOW 5567.

Full Time MSW Clinical Field Education and Seminar I
SOW 6531
Full Time MSW Clinical Field Integrative Seminar I
4(4,0) 2(2,0)
PR: SOW 6123 and SOW 6424. CR: SOW 6940.
Field education **seminar** for full-time Master of Social Work students; includes seminar and supervised practice of social work in an agency for 300 clock hours. Graded S/U. students. **Abbrev (29 of 30): FT MSW CLIN Field/Seminar I** FT MSW Clinic Field Seminar I  
Graded SU: **Yes No**  
**Rationale:** The current course structure for the Generalist Field courses (Full-time and Part-time) combines the field hours and classroom seminar in one course. A new Generalist Field course was created to separate the field component and allow for pass/fail grading. Therefore, the existing classes are being restructured to remove the field component and change the now Seminar-only course to letter grading.  
There are no programs that list SOW 6531.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>SOW 6536</td>
<td>Full Time MSW Clinical Field Education and Seminar II</td>
<td>4(4,0)</td>
</tr>
<tr>
<td></td>
<td>Full Time MSW Clinical Field Integrative Seminar II</td>
<td>2(2,0)</td>
</tr>
</tbody>
</table>

**PR:** SOW 6531. **CR:** SOW 6940.  
Field **clinical field education seminar** for full-time Master of Social Work clinical students; includes seminar and supervised practice of social work in an agency for 300 clock hours. Graded S/U. students. **Abbrev (29 of 30): FT MSW Clin Field/Seminar II** FT MSW Clinic Field Seminar II  
Graded SU: **Yes No**  
**Rationale:** The current course structure for the Generalist Field courses (Full-time and Part-time) combines the field hours and classroom seminar in one course. A new Generalist Field course was created to separate the field component and allow for pass/fail grading. Therefore, the existing classes are being restructured to remove the field component and change the now Seminar-only course to letter grading.  
There are no programs that list SOW 6536.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>SOW 6561</td>
<td>Part-Time MSW Clinical Field Education and Seminar I</td>
<td>3(3,0)</td>
</tr>
<tr>
<td></td>
<td>Part-Time MSW Clinical Field Integrative Seminar I</td>
<td>2(2,0)</td>
</tr>
</tbody>
</table>

**PR:** SOW 5567, SOW 6123 and SOW 6424. **CR:** SOW 6940.  
Field education **seminar** for part-time Master of Social Work students; includes seminar and supervised practice of social work in an agency for 225 clock hours. Graded S/U. students. **Abbrev (29 of 30): PT MSW Clin Field/Seminar I** PT MSW Clinic Field Seminar I  
Graded SU: **Yes No**  
**Rationale:** The current course structure for the Generalist Field courses (Full-time and Part-time) combines the field hours and classroom seminar in one course. A new Generalist Field course was created to separate the field component and allow for pass/fail grading. Therefore, the existing classes are being restructured to remove the field component and change the now Seminar-only course to letter grading.  
There are no programs that list SOW 6561.
created to separate the field component and allow for pass/fail grading. Therefore, the existing classes are being restructured to remove the field component and change the now Seminar-only course to letter grading.
There are no programs that list SOW 6561.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>SOW 6562</td>
<td>Part Time MSW Clinical Field Education and Seminar II</td>
<td>3(3,0)</td>
</tr>
<tr>
<td></td>
<td>Part Time MSW Clinical Field Integrative Seminar II</td>
<td>1(1,0)</td>
</tr>
</tbody>
</table>

PR: SOW 6561. CR: SOW 6940.
Field seminar education for part time Master of Social Work clinical students; includes seminar and supervised practice of social work in an agency for 225 clock hours. Graded S/U, students. Abbrev (29 of 30): PT MSW Clin Field/Seminar II PT MSW Clinic Field Seminar 2
Graded SU: Yes No
Rationale: The current course structure for the Generalist Field courses (Full-time and Part-time) combines the field hours and classroom seminar in one course. A new Generalist Field course was created to separate the field component and allow for pass/fail grading. Therefore, the existing classes are being restructured to remove the field component and change the now Seminar-only course to letter grading.
There are no programs that list SOW 6562.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>SOW 6563</td>
<td>Part-Time MSW Clinical Field Education and Seminar III</td>
<td>2(2,0)</td>
</tr>
<tr>
<td></td>
<td>Part-Time MSW Clinical Field Integrative Seminar III</td>
<td>1(1,0)</td>
</tr>
</tbody>
</table>

PR: SOW 6562. CR: SOW 6940.
Field education seminar for part-time MSW clinical students; includes seminar and supervised practice of social work in an agency for 150 clock hours. Graded S/U, students. Abbrev (29 of 30): PT MSW Clin Field/Seminar III PT MSW Clinic Field Seminar 3
Graded SU: Yes No
Rationale: The current course structure for the Generalist Field courses (Full-time and Part-time) combines the field hours and classroom seminar in one course. A new Generalist Field course was created to separate the field component and allow for pass/fail grading. Therefore, the existing classes are being restructured to remove the field component and change the now Seminar-only course to letter grading.
There are no programs that list SOW 6563.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>SOW 5149</td>
<td>Military and Veteran Culture with Historical Frameworks</td>
<td>3(3,0)</td>
</tr>
<tr>
<td>SOW 6XXX</td>
<td>Military Culture and Social Work Practice</td>
<td></td>
</tr>
</tbody>
</table>

PR: Admission to Master of Social Work program or C.I.
Thorough analysis provides a detailed overview of the practice of social work with these military connected clients, families, and veteran systems. Provides the frameworks to assist social workers in better understanding, communicating, and practicing with veterans and their families and communities. Abbrev (29 of 30): Military & Vet Cult Hist Frame Military Culture and SW Pract

Term Offered: Fall, Spring, Summer

Rationale: The faculty of the School of Social Work has a military certificate. This objectives of this course has been elevated to include more clinical practice material. The name has been changed to reflect the clinical nature of the class. There are no programs that list SOW 5149.

**College of Sciences Course Revisions - Not reviewed**

**ANG 6520C**  
Advanced Human Osteology  
3(2,2)  
PR: Admission to Anthropology MA, Maya Studies GC, or C.I.

Advanced seminar on methods and theory pertaining to the study of the human skeleton. There are no programs that list ANG 6520C.

**ANG 6740C**  
Advanced Forensic Anthropology  
3(2,2)  
PR: Admission to Anthropology MA, Maya Studies GC, or C.I.

Advanced theory and laboratory methods in forensic anthropology, including forensic skeletal analysis and interpretation.  
There are no programs that list ANG 6740C.

**PHY 5817L**  
Building Physics Apparatus  
1(0,3)  
PR: Graduate standing or senior standing and C.I.

Hands-on shop course. Focus will be machine shop practice with possible extension to printed circuit boards and glass work.  
Term Offered: Occasional

There are no programs that list PHY 5817L.

**4. Course Deletions - All approved**

**College of Arts and Humanities Course Deletions**

**ENC 5225**  
CAH-ENG  
3(3,0)  
Theory and Practice of Document Usability  
PR: Graduate status or senior standing or C.I.

Presents theory and practice of how document usability is assessed and improved.
Rationale: The class has not been taught since 2011. The faculty member who developed it no longer works at UCF.
There are no programs that list ENC 5225.

EUH 5595 CAH-HIST 3(3,0)
Colloquium in Czarist Russia PR: Graduate status or senior standing or C.I. Selected topics on the literature of Russia under the Czars prior to 1917.
Discussion with others: n/a
Rationale: Course has not been taught. Faculty has no plans to teach it. There are no programs that list EUH 5595.

LAH 6936 CAH-HIST 3(3,0)
Seminar in Latin American History PR: Graduate standing or C.I. Research seminar in selected topics in Latin American history. May be repeated for credit only when course content is different.
Discussion with others: n/a
Rationale: Course has not been taught. Faculty have no plans to teach it. There are no programs that list LAH 6936.

SPW 6358 CAH-LANG 3(3,0)
Modernismo PR: Admission to Spanish M.A. program. The first Spanish American literary movement (approximately 1880-1910) that impacted the 20th century Spanish language and culture.
Discussion with others: n/a
Rationale: This is an elective course taught by a faculty member who has retired. There are no programs that list SPW 6358.

Discussion with others: n/a
Rationale: This course is not needed with the current options within the Music MA degree, and we do not have faculty resources to teach it. There are no programs that list MUE 6349.

MUM 5806 CAH-MUSIC 3(3,0)
Performing Arts Management PR: Graduate standing or senior standing or C.I. Structure of nonprofit performing arts organization (PAOs), examining the fundamental elements of administration, audience development, marketing, and fund-raising. Discussion with others: n/a
Rationale: This course is not needed for the Music MA degree, and we do not have faculty to teach it.
There are no programs that list MUM 5806.
MUT 5381 CAH-MUSIC 3(3,0)
Arranging and Composing Music PR: Satisfactory placement tests in theory, sight-singing, and ear training, and graduate status or senior standing or C.I. Arranging and composing music for instrumental and vocal ensembles. Some emphasis on compositional techniques of the 20th century.
Discussion with others: n/a
Rationale: Since we are teaching Composition V and VI, this course is unnecessary. There are no programs that list MUT 5381.

FIL 6655 CAH-SVAD 3(3,0)
Intellectual Property Issues and Entertainment Law PR: or CR: GEB 6115 or C.I. Exploration of evolving intellectual property issues in the digital world, including basic contract requirements for producing independent film and digital media products.
Discussion with others: n/a
Rationale: This course was developed and taught by a faculty member who no longer works at UCF. It is not needed in our proposed new graduate curriculum. There are no programs that list FIL 6655.

FIL 6670 CAH-SVAD 3(3,0)
From Screenplay to Deal PR: Graduate Standing. Development of a film script to a marketable property, creating a strategy for and assembling the elements necessary to obtain financing.
Discussion with others: n/a
Rationale: This course was developed and taught by a faculty member who no longer works at UCF. It is not needed in our proposed new graduate curriculum. There are no programs that list FIL 6670.

PGY 5108C CAH-SVAD 3(2,4) Advanced Techniques and Concepts in Photography PR: PGY 2401C, PGY 3410C and PGY 4420C, or admission into MFA graduate program. Advanced techniques and concepts in photography, introducing historic and contemporary photographic works. May be used in the degree program a maximum of 3 times.
Discussion with others: n/a
Rationale: We haven't taught this course in years and don't plan to. There are no programs that list PGY 5108C.

TPA 6406C CAH-THEA 3(1,6)
Theatre Management PR: Admission to MFA graduate program or C.I. Study and application of concepts and tools of theatre management.
Discussion with others: n/a
Rationale: We do not have the personnel to teach this course and we do not have enough graduate students to justify the continuation of offering this course. There are no programs that list TPA 6406C.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Prefix</th>
<th>Title</th>
<th>PR Requirements</th>
<th>Discussion with Others</th>
<th>Rationale</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>TAX 6135</td>
<td>BA-ACCT</td>
<td>Taxation of Corporations and Shareholders</td>
<td>TAX 4001 and graduate standing. Federal taxation relating to corporate organization, distributions, liquidations, accumulations, and reorganizations.</td>
<td>NA</td>
<td>Course has not been offered in over five years. There are no programs that list TAX 6135.</td>
<td></td>
</tr>
<tr>
<td>TAX 6405</td>
<td>BA-ACCT</td>
<td>Taxation of Estates and Gifts</td>
<td>TAX 4001 and graduate standing. Federal transfer taxes affecting gifts and estates.</td>
<td>NA</td>
<td>Course has not been offered in over 5 years. There are no programs that list TAX 6405.</td>
<td></td>
</tr>
<tr>
<td>ECO 6206</td>
<td>BA-ECON</td>
<td>Macroeconomic Theory I</td>
<td>ECO 3203 (or equivalent) and ECO 6403 (or equivalent), or C.I. An analysis of aggregate economic conditions including the determination of output, employment, and income levels.</td>
<td>NA</td>
<td>The course was part of the core of our PhD program, which no longer exists. The said program will not return for the foreseeable future. There are no programs that list ECO 6206.</td>
<td></td>
</tr>
<tr>
<td>ECO 7423</td>
<td>BA-ECON</td>
<td>Applied Models I</td>
<td>Acceptance in the PhD Program, and ECO 6416 or equivalent. Advanced coverage of standard regression methods and models plus nonparametric statistics.</td>
<td>The other departments in the College are no longer interested in us offering the course.</td>
<td>This was an elective course for other PhD programs in the College of Business Administration. There are no programs that list ECO 7423.</td>
<td></td>
</tr>
<tr>
<td>ECO 7428</td>
<td>BA-ECON</td>
<td>Time Series</td>
<td>ECO 6424 (or equivalent) or C.I. Advanced treatment of time series analytical techniques including vector autoregression, cointegration and nonstationarity.</td>
<td>The Department of Finance is not interested in us teaching the course.</td>
<td>This was an elective course in our defunct PhD program. The said program will not be offered for the foreseeable future. There are no programs that list ECO 7428.</td>
<td></td>
</tr>
</tbody>
</table>
**ECP 6405**  BA-ECON  3(3,0)
**Industrial Organization**  PR: ECO 6118 (or equivalent) and ECO 6403 (or equivalent). An analysis of firm behavior in imperfectly competitive markets, strategic behavior, and economic policy directed at promoting competitive behavior.

**Discussion with others:** The Department of Finance is not interested in us offering the course.

**Rationale:** This was an elective course in our defunct PhD program. The said program will not return for the foreseeable future.

There are no programs that list ECP 6405.

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**MAR 6077**  BA-MAR  3(3,0)
**Contemporary Marketing Issues**  PR: Master's program of study foundation core or C.I. Investigation of contemporary marketing issues stemming from current social, economic, and political developments.

**Discussion with others:** NA

**Rationale:** Course has not been offered in over 5 years. There are no programs that list MAR 6077.

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**MAR 6151**  BA-MAR  3(3,0)
**Global Marketing Strategy**  PR: Master's program of study foundation core or C.I. Comprehensive study of marketing management and strategy from a global perspective.

**Discussion with others:** NA

**Rationale:** Course has not been offered in over 5 years. There are no programs that list MAR 6151.

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**MAR 6406**  BA-MAR  3(3,0)
**Sales Force Management**  PR: Master's program of study foundation core or C.I. Comprehensive study of the analysis, methods and decisions involved in managing a contemporary sales force.

**Discussion with others:** NA

**Rationale:** Course has not been offered in over five years. There are no programs that list MAR 6406.

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**MAR 6616**  BA-MAR  3(3,0)
**Marketing Research and Analysis**  PR: Master's program of study foundation core or C.I. Comprehensive study of primary research methods and analysis tools used to generate information for marketing decision making.

**Discussion with others:** NA

**Rationale:** Course has not been offered in over five years. There are no programs that list MAR 6616.
College of Education and Human Performance Course Deletions

EDH 6044  ED-CFCS  3(3,0)  
Career Exploration in Higher Education  PR: C.I. Explore the practical application in career decision-making in Higher Education through personal and professional analysis.  
Rationale: Departmental faculty request deletion of this course. There are no programs that list EDH 6044.

EEX 6028  ED-CFCS  3(3,0)  
Challenges of Poverty in Special Education  PR: C.I. Examines the impact of poverty on students with disabilities in high poverty schools and the challenges this impact has on teaching these students.  
Rationale: Departmental faculty request deletion of this course. There are no programs that list EEX 6028.

PEM 5408C  ED-CFCS  3(2,1)  
Controlling Classroom Violence  PR: Graduate standing; certified teacher. A hands-on course dealing with controlling disruption and violence as well as how teachers can protect themselves.  
Rationale: Departmental faculty request deletion of this course. There are no programs that list PEM 5408C.

SPM 5506  ED-CFCS  3(3,0)  
Financial Issues in Sports and Fitness  PR: C.I. Examines basic financial concepts including understanding annual reports, developing budgets, financial analysis, and examining methods for increasing revenue and controlling cost in the sport industry.  
Rationale: Departmental faculty request deletion of this course. There are no programs that list SPM 5506.

MHS 6433  ED-E&HS  3(3,0)  
Developmental Process of the Resilient Family  PR: C.I. This course will examine models that focus on the resiliency of families throughout the life cycle and implications in counseling.  
Rationale: Departmental faculty request deletion of this course. There are no programs that list MHS 6433.

PET 6135  ED-E&HS  3(3,0)  
Historical Aspects of Sport and Physical Education  PR: Graduate standing. This course examines the development of sport and physical education from historic to modern times. The focus will be on US sport development following 1865.  
Rationale: Departmental faculty request deletion of this course. There are no programs that list PET 6135.
SDS 6200  
Procedures for Group Testing  PR: EGC 5005 or EGC 6426, EDF 6481 or EDF 6482. Survey of various educational and psychological objective instruments used in schools to measure achievement, aptitude, interests, ability. Emphasis on administration and score interpretation.  
Rationale: Departmental faculty request deletion of this course. There are no programs that list SDS 6200.

ARE 5648  
Contemporary Visual Arts Education  PR: Graduate standing or C.I. Continued study of current programs and innovations in public school Visual Arts Programs.  
Rationale: DELETE - This course is not a requirement of any CEDHP program and has no application to current programs. There are no programs that list ARE 5648.

EDG 6042  
Character Education in the Schools  PR: C.I. An examination of issues in the field of character education.  
Rationale: DELETE - This course is not a requirement of any CEDHP program and has no application to current programs. There are no programs that list EDG 6042.

EDM 6235  
Contemporary Issues of Middle Level Education  PR: Graduate standing or C.I. Critical analysis of the contemporary educational issues that directly impact middle level schools.  
Rationale: DELETE - This course is not a requirement of any CEDHP program and has no application to current programs. There are no programs that list EDM 6235.

EDM 6401  
Principles of Middle Level Education  PR: graduate standing. Development of a professional understanding of middle schools: rationale, organization, instructional strategies and characteristics of exemplary middle schools.  
Rationale: DELETE - This course is not a requirement of any CEDHP program and has no application to current programs. There are no programs that list EDM 6401.

LAE 5195  
CFWP Teacher Consultant  PR: C.I. This course is designed for Fellows of the CFWP Summer Institute who will plan, practice, and present writing inservice components to public schools.  
Rationale: DELETE - This course is not a requirement of any CEDHP program and has no application to current programs.
There are no programs that list LAE 5195.

LAE 6792 ED-TL&L 3(3,0)
Teacher Researcher PR: C.I. Theory, strategies, and research methodologies for teachers studying teaching and learning in classrooms.
Rationale: DELETE - This course is not a requirement of any CEDHP program and has no application to current programs.
There are no programs that list LAE 6792.

MAE 6145 ED-TL&L 3(3,0)
Mathematics Curriculum, K-12 PR: At least 6 semester hours of graduate credit in mathematics education or C.I. Development of historical and current issues and forces in mathematics curriculum. New mathematics programs and contemporary curricular issues will be emphasized. Rationale: DELETE - This course is not a requirement of any CEDHP program and has no application to current programs.
There are no programs that list MAE 6145.

SSE 6617 ED-TL&L 3(3,0)
Trends in Elementary School Social Studies Education PR: Basic Teacher Certificate or C.I. Historical development and current trends, strategies for inquiry instruction, intellectual, social, and personal dimensions of social studies.
Rationale: DELETE - This course is not a requirement of any CEDHP program and has no application to current programs.
There are no programs that list SSE 6617.

College of Engineering and Computer Science Course Deletions

CES 6910 CECS-CECE 3(3,0)
Research in Structural Engineering PR: C.I. Behavior and design of steel, concrete, or composite structures under cyclic, wind, earthquake, impact, or blast loading.
Rationale: Course has not been offered in more than five years, and is not expected to be offered in the near future.
There are no programs that list CES 6910.

CAP 6701 CECS-CS 3(3,0)
Real-time Realistic Rendering PR: CAP 4720 or CAP 5725. GPU Programming;
State-of-the-art algorithms for: Real-time rendering of a lighting effects and realistic materials; Real-time volume rendering; real-time simulation and rendering of smoke.
Rationale: Course has not been offered in more than five years, and is not expected to be offered in the near future.
There are no programs that list CAP 6701.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Department</th>
<th>Title</th>
<th>Prerequisites</th>
<th>Description</th>
<th>Rationale</th>
<th>Program List</th>
</tr>
</thead>
<tbody>
<tr>
<td>COP 6614</td>
<td>CECS-CS</td>
<td>Operating Systems Techniques</td>
<td>COP 5611</td>
<td>Techniques in the design and implementation of operating systems. Case studies of several experimental and commercial operating systems.</td>
<td>Course has not been offered in more than five years, and is not expected to be offered in the near future.</td>
<td>No programs list COP 6614.</td>
</tr>
<tr>
<td>COT 6415</td>
<td>CECS-CS</td>
<td>Complexity of Parallel Computation</td>
<td>CDA 5110, COT 6410</td>
<td>Theoretical models justification and buildability inherent parallelism and communication costs. Lower and upper complexity bounds. Parallel computation thesis. NC, SC classes; paradigms of parallel algorithms.</td>
<td>Course has not been offered in more than five years, and is not expected to be offered in the near future.</td>
<td>No programs list COT 6415.</td>
</tr>
<tr>
<td>EEE 6327</td>
<td>CECS-ECE</td>
<td>Design of Video Coding Systems</td>
<td>EEL 4768C and EEL 4750</td>
<td>VLSI architectures and image/video coding algorithms, image/video coding standards, and architectural issues related with area/power/performance.</td>
<td>Course has not been offered in 5 years and there are not plans to offer in the near future.</td>
<td>No programs list EEE 6327.</td>
</tr>
<tr>
<td>EEE 6508</td>
<td>CECS-ECE</td>
<td>Advanced Topics in Digital Signal Processing</td>
<td>C.I.</td>
<td>Advanced and current topics in digital signal processing, such as neural network, spectral analysis, and speech processing.</td>
<td>Course has not been offered in 5 years and there are not plans to offer in the near future.</td>
<td>No programs list EEE 6508.</td>
</tr>
<tr>
<td>EEL 5704</td>
<td>CECS-ECE</td>
<td>Computer Aided Logical Design</td>
<td>EEL 4742C</td>
<td>Design, analysis and synthesis of sequential logic circuits and systems. Data path and controller design using a hardware description language.</td>
<td>Course has not been offered in 5 years and there are not plans to offer in the near future.</td>
<td>1 program lists EEL 5704: Computer Engineering - Digital Circuits Track (B.S.Cp.E.)</td>
</tr>
<tr>
<td>EEL 5771C</td>
<td>CECS-ECE</td>
<td>Engineering Applications of Computer Graphics</td>
<td>EGN 3420 or C.I.</td>
<td>Computer graphics in engineering applications. Laboratory assignments.</td>
<td>Course has not been offered in 5 years and there are not plans to offer in the near future.</td>
<td>No programs list EEL 5771C.</td>
</tr>
</tbody>
</table>
EEL 5936 CECS-ECE 0(1,0)
**Current Topics in EECS** PR: Open to all ECE graduate students. Lectures presented by ECE and national lectures will provide our students a broad view of the state of the art EE and CE fields. Graded S/U.
**Rationale:** Course has not been offered in 5 years and there are not plans to offer in the near future. There are no programs that list EEL 5936.

EEL 6463 CECS-ECE 3(3,0)
**Antenna Analysis and Design II** PR: EEL 5462C. Aperture antennas, reflectors, and microstrip antennas.
**Rationale:** Course has not been offered in 5 years and there are not plans to offer in the near future. There are no programs that list EEL 6463.

EEL 6488 CECS-ECE 3(3,0)
**Electromagnetic Theory II** PR: EEL 6482 or C.I. Scattering, diffraction, Green's function, and method of moments.
**Rationale:** Course has not been offered in 5 years and there are not plans to offer in the near future. There are no programs that list EEL 6488.

EEL 6823 CECS-ECE 3(3,0)
**Image Processing II** PR: EEL 5820 or C.I. Advance topics in image processing: nonlinear and adaptive filtering morphological processing, color image processing, texture analysis, and image encoding.
**Rationale:** Course has not been offered in 5 years and there are not plans to offer in the near future. There are no programs that list EEL 6823.

EEL 6876 CECS-ECE 3(3,0)
**Current Topics in Artificial Intelligence** PR: EEL 4872 or CAP 4630 or C.I. Review of the state-of-the-art research in selected current topics in artificial intelligence. Includes extensive review of current literature and class discussion.
**Rationale:** Course has not been offered in 5 years and there are not plans to offer in the near future. There are no programs that list EEL 6876.

EEL 6885 CECS-ECE 3(3,0)
**Software Engineering Quality Assurance Methods** PR: EEL 5881, EEL 6883. Methods for verification and validation of software quality, including software engineering metrics and models.
**Rationale:** Course has not been offered in 5 years and there are not plans to offer in the near future. There are no programs that list EEL 6885.
EEL 6886  
**Software Testing Theory**  
PR: Graduate standing or C.I.; and Probability and Statistics; Calculus through Differential Equations; Numerical Methods and Matrix Algebra; Data Structures and Algorithms; C or C++ programming. Issues and current research in testing software-intensive systems. Application of mathematics, statistics, and operations research to software test; test automation; projects and analysis of literature.  
**Rationale:** Course has not been offered in 5 years and there are not plans to offer in the near future.  
**There are no programs that list EEL 6886.**

EEL 6897  
**Software Development for Real-Time Engineering Systems**  
PR: EEL 5881, EEL 6883. Issues associated with developing software for real-time systems, including parallel processing, task synchronization, and task scheduling.  
**Rationale:** Course has not been offered in 5 years and there are not plans to offer in the near future.  
**There are no programs that list EEL 6897.**

EIN 5317  
**Training System Design**  
PR: Seniors, post bac or graduate standing or C.I. How human performance deficiencies should be addressed from a systems design point of view. Manpower, personnel, and training considerations will be examined.  
**Rationale:** Course has not been offered in more than five years, and is not expected to be offered in the near future.  
**There are no programs that list EIN 5317.**

EIN 5392C  
**Manufacturing Systems Engineering**  
PR: EIN 4391C or C.I. The integration of manufacturing technologies and information processing concepts into a system for controlling the manufacturing enterprise.  
**Rationale:** Course has not been offered in more than five years, and is not expected to be offered in the near future.  
**There are no programs that list EIN 5392C.**

EIN 6647  
**Intelligent Simulation**  
PR: EIN 6645 and EIN 6649C. The range of architectures and technologies relative to the simulation of intelligent processes.  
**Rationale:** Course has not been offered in more than five years, and is not expected to be offered in the near future.  
**There are no programs that list EIN 6647.**

EIN 6935
Advanced Ergonomics Topics PR: C.I. Seminar treatment of selected advanced topics in ergonomics.
Rationale: Course has not been offered in more than five years, and is not expected to be offered in the near future.
There are no programs that list EIN 6935.

EMA 6628 CECS-MSE 3(3,0)
Materials Failure Analysis PR: EMA 5104. Comprehensive overview of the general procedures for failure analysis, failure theories, causes of failure, fractography of different failures, and modern analytical tools.
Rationale: This course has not been offered in 5 years and is not expected to be offered in the near future.
There are no programs that list EMA 6628.

College of Health and Public Affairs Course Deletions

SOW 5105 HPA-SOWK 3(3,0)
Human Behavior and Social Environment I: Individual PR: Admission to MSW program. Study of human development and psychosocial functioning of individuals at various life stages with particular attention to implications of human diversity.
Rationale: During a program review it was determined that having a Human Behavior in the Social Environment I and Human Behavior in the Social Environment II course is redundant as the material in Human Behavior in the Social Environment II is covered in Human Behavior in the Social Environment I and in other classes in the curriculum (5305, 5306, 5235). We would like to create one Human Behavior in the Social Environment class. There are no programs that list SOW 5105.

SOW 5106 HPA-SOWK 3(3,0)
Human Behavior and Social Environment II: Social Systems Study of the patterns and dynamics of families, groups, organizations, and communities from a social work and a systems perspective.
Rationale: During a program review it was determined that having a Human Behavior in the Social Environment I and Human Behavior in the Social Environment II course is redundant as the material in Human Behavior in the Social Environment II is covered in Human Behavior in the Social Environment I and in other classes in the curriculum (5305, 5306, 5235). We would like to create one Human Behavior in the Social Environment class. There are no programs that list SOW 5106.

SOW 6246 HPA-SOWK 3(3,0)
Policy Analysis and Social Change PR: Advanced standing in the Master of Social Work program. Study of urban problems, policies, and planning from the perspective of their impact on individuals and families.
Rationale: Course was replaced with SOW 5217 and SOW 6433 in 2018-19 catalog. Course is no longer needed.
There are no programs that list SOW 6246.

**College of Sciences Course Deletions**

PCB 6035C  COS-BIOL  4(3,3)

**Wetland Ecology** PR: Admission to the M.S. in Biology, Ph.D. in Conservation Biology, PSM in Conservation Biology, or Certificate in Conservation Biology, or C.I. Advanced study of ecological structure, function, and diversity of wetlands. Lectures, discussions, and field-based labs, including management, laws, and restoration.

Discussion with others: N/A

Rationale: Elements of this course are included in the curricula of other classes and a stand-alone course is no longer relevant to the graduate curriculum. There are no programs that list PCB 6035C.

PCB 6040  COS-BIOL  1(1,0)

**Methods of Data Collection and Analysis in Behavioral Ecology** PR: Admission to the M.S. in Biology, Ph.D. in Conservation Biology, PSM in Conservation Biology, or Certificate in Conservation Biology, or C.I. Discussion of methodology and data analysis in behavioral ecology. The methods and analyses discussed each semester vary depending on thesis topics and literature reviewed. Graded S/U. May be used in the degree program a maximum of 4 times.

Discussion with others: N/A

Rationale: This course was taught by a faculty member who is no longer at UCF. The department does not have a faculty member who can offer this course. There are no programs that list PCB 6040.

PCB 6365  COS-BIOL  3(3,0)

**Environmental Physiology** PR: Admission to the M.S. in Biology, Ph.D. in Conservation Biology, PSM in Conservation Biology, or Certificate in Conservation Biology, or C.I. The effects of major environmental factors on the physiology of plants and animals.

Discussion with others: N/A

Rationale: The faculty member no longer intends to offer the course. There are no programs that list PCB 6365.

PCB 6585C  COS-BIOL  4(3,2)

**Advanced Genetics** PR: Admission to the M.S. in Biology, Ph.D. in Conservation Biology, PSM in Conservation Biology, or Certificate in Conservation Biology, or C.I. Recent advances in genetics, stressing molecular and developmental trends.

Discussion with others: N/A

Rationale: The faculty member teaching the course no longer intends to offer the course. There are no programs that list PCB 6585C.
PCB 6727       COS-BIOL     3(3,0)
Comparative Animal Physiology PR: Admission to the M.S. in Biology, Ph.D. in Conservation Biology, PSM in Conservation Biology, or Certificate in Conservation Biology, or C.I. Comparison of structural and functional adaptations of animal organ systems. Emphasis upon maximization of fitness under given environmental conditions.
Discussion with others: N/A
Rationale: The faculty member no longer intends to offer the course. There are no programs that list PCB 6727.

MAP 6507       COS-MATH     3(3,0)
Wave Propagation through Random Media PR: MAP 2302, EEE 5542, or C.I. Development of mathematical models for laser communications and laser radar in atmospheric turbulence. Freespace propagation of Gaussian beams and classical theories of propagation. Discussion with others: N/A
Rationale: The department does not expect to offer this course in the near future due to the core faculties retired or left the department. There are no programs that list MAP 6507.

PHY 5140C      COS-PHYS     3(3,2)
Ion-Solid Interactions PR: PHY 4604 or PHY 4324, graduate status or senior standing, or C.I. Physical principals and related scientific and technological applications of ion-solid interactions. Discussion with others: N/A
Rationale: This course has become out of context with the mainstream departmental research areas, thus do not expect enrollment. There are no programs that list PHY 5140C.

PHY 6353       COS-PHYS     3(3,0)
Accelerator Physics PR: PHY 6347. Dynamics of charged particles in electromagnetic fields, electron optics, details of the electrostatic accelerator, the linear accelerator, and cyclic accelerators; properties of cavities and orbiting electrons; new accelerator schemes, including the free electron laser. Discussion with others: N/A
Rationale: This course has become out of context with the mainstream departmental research areas, thus do not expect enrollment. There are no programs that list PHY 6353.

STA 6207       COS-STAT     3(3,0)
Response Surface and Mixture Experiments PR: STA 5205. Approximating response functions; first-order and second-order response surfaces; ridge systems; mixture problems, component proportions, and the analysis of mixture data. Discussion with others: N/A
Rationale: Department does not see the course as being necessary or desirable for Ph.D. students to take. It is a course that would be an elective for a classical Ph.D. in statistics. Even under those circumstances, it would be taught infrequently. There are no programs that list STA 6207.

5. Course Continuations- All approved

**College of Arts and Humanities Course Continuations**

**ENC 6429** CAH-ENG 3(3,0)
**Teaching Writing With Computers** PR: Graduate standing in English or C.I. Immersion in the theories and practices of writing in electronic spaces including current discourse conventions from speech and print media.
Rationale: We are hiring two faculty in Tech Comm this year and one or both may be interested in teaching the pedagogy course.
There are no programs that list ENC 6429.

**AFH 5259** CAH-HIST 3(3,0)
**Colloquium in African History** PR: Graduate standing or C.I. Readings on selected topics in African History. May be used in the degree program a maximum of 3 times.
Rationale: We are filling for a continuation of this course. Dr. Walker is our only African historian. He teaches regularly in the Graduate Program, but he also teaches other classes, including Historiography of African Slavery. In the past 5 years, he has taught other courses. He will be teaching HIS 5259 in spring 2018.
There are no programs that list AFH 5259.

**SPW 6217** CAH-LANG 3(3,0)
**Spanish American Prose I** PR: Graduate standing or C.I. A study of the principal characteristics of Spanish American prose from Colonial times to post-independence.
Rationale: We recently added a new faculty member to teach. It will be taught in Fall 2018. There are no programs that list SPW 6217.

**MUE 5921** CAH-MUSIC 2(2,0)
**Music Education Workshop** PR: Graduate standing or C.I. Variable topics in Music Education to offer hands-on instruction in a workshop format. May be used in the degree program a maximum of 4 times only when course content is different.
Rationale: The SPA-Music department is currently studying expansion of graduate offerings. We need to keep this course at this time because it may be used in a new concentration of Music Education within the MA degree.
There are no programs that list MUE 5921.

MUE 6080 CAH-MUSIC 3(3,0)
Foundations of Music Education PR: Graduate standing in music. Study of significant historical events that have shaped music education along with important research and philosophical writings. Designed for online delivery.
Rationale: The SPA-Music department is currently studying expansion of graduate offerings. We need to keep this course at this time because it may be used in a new concentration of Music Education within the MA degree.
There are no programs that list MUE 6080.

MUE 6175 CAH-MUSIC 3(3,0)
Teaching Music Performance PR: Graduate standing in M.A. or M.Ed. in Music Education or C.I. Techniques and skills for planning, administering and directing performing music organizations. Examination of historical, sociological and philosophical foundations of music education.
Rationale: The SPA-Music department is currently studying expansion of graduate offerings. We need to keep this course at this time because it may be used in a new concentration of Music Education within the MA degree.
There are no programs that list MUE 6175.

MUE 6945 CAH-MUSIC 3(0,14)
Practicum in Music Education PR: Basic Teacher Certificate. MUE 6349, MUE 6610 and MUE 6630 or C.I. Field experience in teaching music. May be repeated for credit.
Rationale: The SPA-Music department is currently studying expansion of graduate offerings. We need to keep this course at this time because it may be used in a new concentration of Music Education within the MA degree.
There are no programs that list MUE 6945.

DIG 5810 CAH-SVAD 3(3,0)
Ways of Seeing: Cultural and Technological Perspectives PR: Admission to Film and Digital Media master's program or C.I. Cultural and technological perspectives formed by the intersection of media and cultural studies, art history and criticism, and cinema studies. Rationale: The course is relevant to Digital Media research issues. It is not currently a required course, and given staffing issues cannot be offered as often as we would like. But we would like to retain it, update it, and offer it as soon as we can free up a faculty member to teach an elective graduate course.
There are no programs that list DIG 5810.
THE 5248 CAH-THEA 3(3,0)
Musical Theatre in History PR: Admission to MFA Musical Theatre Program. A chronological study of musical theatre from early Viennese operetta to the musicals of the modern age. Course will emphasize the work of composers, librettists, and lyricists as well as representative masterworks of a variety of genre. Emphasis will be placed upon historical trends and theatrical viability.
Rationale: This course is part of the MFA in Musical Theatre curriculum. Since the track has been on hold, this course has not been offered recently. The school would like to keep it until further plans are made regarding this track.
There are no programs that list THE 5248.

THE 6948 CAH-THEA 4(4,0)
Professional Internship PR: Admission to the MFA Acting program. Field work as company members of the Orlando Shakespeare Theatre.
Rationale: Before revising this course last year, the course description was linked to Seaside Musical Theatre and the number of units didn’t match our curriculum requirements. We revised the course last year to reflect the needs of our curriculum and will start offering it next fall.
There are no programs that list THE 6948.

TPA 5095C CAH-THEA 1(1,1)
Rendering for Theatre I PR: Admission to the graduate program in Theatre or C.I. Traditional visual communication skills necessary for scenic, costume, and lighting design.
Rationale: This course is part of the MFA in Theatre Design curriculum. Since the track has been on hold, this course has not been offered recently. The school would like to keep this course until further plans are made regarding this track. There are no programs that list TPA 5095C.

TPA 5175C CAH-THEA 1(1,1)
Rendering for Theatre II PR: TPA 5095C. Software and technology available for visual communication and documentation.
Rationale: This course is part of the MFA in Theatre Design curriculum. Since the track has been on hold, this course has not been offered recently. The school would like to keep this course until further plans are made regarding this track. There are no programs that list TPA 5175C.

TPA 5946C CAH-THEA 1(0,20)
Design Practicum I PR: Admission into the MFA Design program. Practical experience as a member of the production team as a prop master or assistant scenic, costume, lighting, or sound designer.
Rationale: This course is part of the MFA in Theatre Design curriculum. Since the track has been on hold, this course has not been offered recently. The school would like to keep this course until further plans are made regarding this track. There are no programs that list TPA 5946C.
TPA 6087C CAH-THEA 3(3,2)

*Rationale:* This course is part of the MFA in Theatre Design curriculum. Since the track has been on hold, this course has not been offered recently. The school would like to keep this course until further plans are made regarding this track. **There are no programs that list TPA 6087C.**

TPA 6096C CAH-THEA 3(2,2)
**Advanced Rendering and Modeling for Theatre I** PR: TPA 5095C. Technology relating to visual communication as well as 3 dimensional communication tools. May be used in the degree program a maximum of 3 times.

*Rationale:* This course is part of the MFA in Theatre Design curriculum. Since the track has been on hold, this course has not been offered recently. The school would like to keep this course until further plans are made regarding this track. **There are no programs that list TPA 6096C.**

TPA 6947 CAH-THEA 1(0,20) **Design Practicum III** PR: TPA 5949C. Practical experience as a member of the production team as a scenic, costume, lighting, or sound designer in an area not previously designed.

*Rationale:* This course is part of the MFA in Theatre Design curriculum. Since the track has been on hold, this course has not been offered recently. The school would like to keep this course until further plans are made regarding this track. **There are no programs that list TPA 6947.**

TPA 6948L CAH-THEA 1(0,20) **Design Practicum IV** PR: MFA Design Candidate, Design Practicum III. Practical experience as a member of the production team as a scenic, costume, lighting, or sound designer in an area not previously designed.

*Rationale:* This course is part of the MFA in Theatre Design curriculum. Since the track has been on hold, this course has not been offered recently. The school would like to keep this course until further plans are made regarding this track. **There are no programs that list TPA 6948L.**

TPP 5125C CAH-THEA 2(2,2) **Improvisation Studio** PR: Acting for Youth Theatre. A study of spontaneous dramatic play and theatre exercises designed to develop self-discipline, creative freedom and resources for the stage and classroom.

*Rationale:* Recent faculty changes have resulted in altered plans for course offerings. For this time, the school would like to keep this option as an option for future course offerings. **There are no programs that list TPP 5125C.**
TPP 5273 CAH-THEA 2(2,0)
Musical Theatre Acting I PR: TPP 5157C. Integrated study in musical theatre acting, singing and movement applied to musical theatre performance, direction and choreography; emphasizing developing skills in textual and musical interpretation.
Rationale: This course is part of the MFA in Musical Theatre curriculum. Since the track has been on hold, this course has not been offered recently. The school would like to keep it until further plans are made regarding this track.
There are no programs that list TPP 5273.

TPP 5289C CAH-THEA 2(2,3)
Acting Methodologies PR: Admission to the graduate program in Theatre or C.I. Approaches to acting.
Rationale: Recent faculty changes have resulted in altered plans for course offerings. For this time, the school would like to keep this option as an option for future course offerings. There are no programs that list TPP 5289C.

TPP 5554C CAH-THEA 2(2,4)
Musical Theatre Dance I PR: MFA Musical Theatre Majors. Advanced dance study with particular emphasis on the development of principles of alignment, coordination, isolation, and sequencing.
Rationale: This course is part of the MFA in Musical Theatre curriculum. Since the track has been on hold, this course has not been offered recently. The school would like to keep it until further plans are made regarding this track.
There are no programs that list TPP 5554C.

TPP 5555C CAH-THEA 2(2,4)
Musical Theatre Dance II PR: TPP 5554C. Advanced dance study with particular emphasis on the development and expression of characterization in dance.
Rationale: This course is part of the MFA in Musical Theatre curriculum. Since the track has been on hold, this course has not been offered recently. The school would like to keep it until further plans are made regarding this track.
There are no programs that list TPP 5555C.

TPP 5935C CAH-THEA 2(2,2)
Contemporary Practices in Youth Theatre PR: Admission to MFA graduate program or C.I. Investigation of a particular subject in youth theatre. May be used in the degree program a maximum of 5 times.
Rationale: Recent faculty changes have resulted in altered plans for course offerings. For this time, the school would like to keep this option as an option for future course offerings. There are no programs that list TPP 5935C.
TPP 6274  CAH-THEA  2(2,0)
Musical Theatre Acting II PR: TPP 5273. Advanced and integrated study with emphasis on the development of skills in musical theatre characterization.
Rationale: This course is part of the MFA in Musical Theatre curriculum. Since the track has been on hold, this course has not been offered recently. The school would like to keep it until further plans are made regarding this track.
There are no programs that list TPP 6274.

TPP 6279  CAH-THEA  2(2,0)
Musical Theatre Master Class PR: Admission to Theatre MFA Musical Theatre Track. Master classes conducted by permanent staff members and guest artists of the Seaside Music Theatre Company.
Rationale: This course is part of the MFA in Musical Theatre curriculum. Since the track has been on hold, this course has not been offered recently. The school would like to keep it until further plans are made regarding this track.
There are no programs that list TPP 6279.

TPP 6556C  CAH-THEA  2(2,4)
Musical Theatre Dance III PR: TPP 5555C. Advanced dance study with particular emphasis on the development of jazz and tap technique.
Rationale: This course is part of the MFA in Musical Theatre curriculum. Since the track has been on hold, this course has not been offered recently. The school would like to keep it until further plans are made regarding this track.
There are no programs that list TPP 6556C.

TPP 6557C  CAH-THEA  2(2,4)
Musical Theatre Dance IV PR: TPP 6556C. Advanced dance study with particular emphasis on the development of musical theater dance style and choreography.
Rationale: This course is part of the MFA in Musical Theatre curriculum. Since the track has been on hold, this course has not been offered recently. The school would like to keep it until further plans are made regarding this track.
There are no programs that list TPP 6557C.

TPP 6686  CAH-THEA  3(3,0)
Playwriting for Young Audiences PR: Dramatic Literature for Children. Practical experience in the creative process of playwriting for young audiences.
Rationale: Recent faculty changes have resulted in altered plans for course offerings. For this time, the school would like to keep this option as an option for future course offerings. There are no programs that list TPP 6686.
TPP 6756  CAH-THEA  2(2,0)
Musical Theatre Voice III PR: Admission to MFA Musical Theatre program. Continuation of Musical Theatre Voice II placing particular emphasis upon knowledge of musical theatre repertoire and its application to the history of the art form.
Rationale: This course is part of the MFA in Musical Theatre curriculum. Since the track has been on hold, this course has not been offered recently. The school would like to keep it until further plans are made regarding this track.
There are no programs that list TPP 6756.

TPP 6757  CAH-THEA  2(2,0)
Rationale: This course is part of the MFA in Musical Theatre curriculum. Since the track has been on hold, this course has not been offered recently. The school would like to keep it until further plans are made regarding this track.
There are no programs that list TPP 6757.

College of Education and Human Performance Course Continuations
FLE 6695  ED-TL&L  3(3,0) Professional Development in Foreign Language Education
PR: FLE 4333 Foreign Language
Teaching in the Secondary School or teaching experience. Fluency in the target language and English. Introduction to the professional development of the foreign language educator by means of instruction in action research, grant writing, and writing for publication/conference presentation.
Rationale: Program area faculty have determined to continue this course without revisions. There are no programs that list FLE 6695.

College of Engineering and Computer Science Course Continuations
CES 6220  CECS-CECE  3(3,0)
Wind and Earthquake Engineering PR: CES 6209 or C.I. Wind characteristics; wind effects on structures; dynamic analysis for wind loads; nature of earthquake forces; response spectra and seismic design; wind and seismic codes.
Rationale: The course has not been taught due to limited manpower of teaching in the department. With recent addition of new faculty, the course has a healthy enrollment interest, particularly from non-thesis MS students. There are no programs that list CES 6220.
EEL 6619  CECS-ECE  3(3,0)
**Nonlinear Robust Control and Applications** PR: EEL 5173 and EEL 6621. Stability, performance and robustness of nonlinear systems with uncertainties, Lyapunov-based designs, recursive designs and nonlinear optimal designs.
**Rationale:** Department has indicated they intend to offer the course Fall 2018 and would like to have it continued.
There are no programs that list EEL 6619.

EEL 6667  CECS-ECE  3(3,0)
**Planning and Control for Mobile Robotic Systems** PR: EEL 5173 or EEL 5630.
Non-holonomic systems, kinematics and dynamics, trajectory planning and obstacle avoidance, canonical terms, control design, stability, performance, and robustness.
**Rationale:** Department has indicated they intend to offer the course Spring 2019 and would like to have it continued.
There are no programs that list EEL 6667.

**College of Sciences Course Continuations**

BOT 6623C  COS-BIOL  4(3,3)
**Plant Ecology** PR: Admission to the M.S. in Biology, Ph.D. in Conservation Biology, or Certificate in Conservation Biology, or C.I. The study of the abiotic and biotic processes that control the distribution of terrestrial flora at local, landscape, and global scales.
**Rationale:** Department wishes to retain this course for a future year (1-2 years) as it grows the number of faculty with expertise in plant biology. There are no programs that list BOT 6623C.

PCB 5435C  COS-BIOL  4(2,6)
**Marine Ecology of Florida** PR: Admission to the M.S. in Biology, Ph.D. in Conservation Biology, PSM in Conservation Biology, or Certificate in Conservation Biology, or C.I. Survey of experimental methods used in the study of marine communities in central and southern Florida, combining field manipulation and readings from primary literature.
**Rationale:** Department plans to offer course in 2019 due to a recently hire faculty member.
There is 1 program that lists PCB 5435C: Biology (B.S.)

PCB 5485  COS-BIOL  3(3,0)
**Models in Ecology** PR: PCB 3044, MAC 2311C (or equivalent), and graduate status or senior standing or C.I. A survey of how simulation models are applied to ecological questions of both a theoretical and managerial nature.
**Rationale:** Department is currently searching for a new faculty hire in Ecoinformatics who would have appropriate background to offer this course.
There is 1 program that lists PCB 5485: Biology (B.S.)
PCB 6328C  COS-BIOL  4(3,2)
Landscape Ecology  PR: Admission to the M.S. in Biology, Ph.D. in Conservation Biology, PSM in Conservation Biology, or Certificate in Conservation Biology, or C.I. Influence of spatial heterogeneity on ecological processes. Emphasizes quantitative methods (e.g., GIS, remote sensing and modeling) to characterize landscape patterns and dynamics.
Rationale: Department is currently searching for new faculty hire in Ecoinformatics who would have the appropriate background to offer this course. There are no programs that list PCB 6328C.

ZOO 5486  COS-BIOL  4(4,0)
Mammalogy  PR: Admission to the M.S. in Biology, Ph.D. in Conservation Biology, PSM in Conservation Biology, or Certificate in Conservation Biology, or C.I. Study of the diversity and biology of mammals from an evolutionary perspective.
Rationale: Department plans to offer this course as a split-level with undergraduate Mammalogy. There are no programs that list ZOO 5486.

MAP 6420  COS-MATH  3(3,0)
Generalized Functions  PR: MAA 6506 or C.I. Spaces of test functions and their duals, calculus of distributions, convolution and tempered distributions, Fourier transforms of distributions, and applications to PDEs.
Rationale: Course is mainly offered for math PhD students. Currently several students are working on fields closely related to the topics covered by this course. Department intends to offer the course in Fall 18. There are no programs that list MAP 6420.

CPO 6075  COS-POLS  3(3,0)
Comparative Political Economy  PR: Graduate standing. Seminar in the political economy of advanced industrial societies, dealing with the interplay of citizens, governments, the economy, and political institutions.
Rationale: Offering course in next 2 years. Hired new assistant professor with expertise in this area. There are no programs that list CPO 6075.

EXP 5254  COS-PSYCH  3(3,0)
Human Factors and Aging  PR: Graduate standing, post bac, or senior standing with C.I. An overview of issues related to enhancing quality of life of elderly through the implementation of basic human factors principles in environmental and task design.
Rationale: Department recently hired 3 new faculty members that are experts in aging. It is anticipated the course will be offered in the near future as an elective. There are no programs that list EXP 5254.
INP 7071 COS-PSYCH 3(3,0)
Research Methods in Industrial and Organizational Psychology PR: Admission to the doctoral Industrial and Organizational Psychology program and PSY 6216C. A review of research methodology in organizational settings, focusing on hypothesis testing, quasi-experimental designed, non-experimental designs, and sampling procedures. Rationale: Recently added course back into Industrial and Organizational Psychology PhD curriculum. Department has plans to teach in upcoming spring terms. There are no programs that list INP 7071.

STA 6246 COS-STAT 3(3,0)
Linear Models PR: STA 6329, STA 4164, and STA 4322. Theoretical development of full rank linear statistical models, least squares and maximum likelihood estimation, interval estimation, hypothesis testing, and introduction to less than full rank models. Rationale: Course is an elective in new Big Data Analytics PhD program and will be added to schedule in near future based on PhD enrollment. There are no programs that list STA 6246.

STA 6329 COS-STAT 3(3,0)
Statistical Applications of Matrix Algebra PR: MAC 2313 and STA 4164 or STA 5206. Basic theory of determinants, inverses, generalized inverses, eigenvalues and eigenvectors, partitioned matrices. Diagonalization and decomposition theorems, least squares and statistical applications. Rationale: Course is required in new Big Data Analytics PhD program and will be added to schedule in near future based on PhD enrollment. There are no programs that list STA 6329.

STA 6347 COS-STAT 3(3,0)
Advanced Statistical Inference II PR: STA 6346. Minimax analysis, invariance, admissibility, maximal invariants, sequential analysis. Rationale: Course is an elective in new Big Data Analytics PhD program and will be added to schedule in near future based on PhD enrollment. There are no programs that list STA 6347.

STA 6662 COS-STAT 3(3,0)
Statistical Methods for Industrial Practice PR: STA 4164 or C.I. Variance components, PCRs, autocorrelation structures, charting, EVOP, design strategies, calibration, standards, and associated awards. Rationale: Course is an elective in new Big Data Analytics PhD program and will be added to schedule in near future based on PhD enrollment. There are no programs that list STA 6662.

STA 6705 COS-STAT 3(3,0)
Data Mining Methodology III PR: Graduate standing and STA 5703. Current topics in data mining. Rationale: Course is an elective in new Big Data Analytics PhD program and will be added to schedule in near future based on PhD enrollment. There are no programs that list STA 6705.