Minutes
Graduate Council Curriculum Committee
November 29, 2017
2:30 p.m., Millican Hall 395E

Members Present: Jennifer Sandoval, Art Weeks, Steven Ebert, Diane Andrews, Cheyenne Ro, Terrie Sypolt, Joshua Troche, Elsie Olan, Mercedeh Khajavikhan

Administrators and Guests Present: Devon Jensen, Foard Jones, David Hagan, Ross Wolf, Ranettta Guinn, Elexis Ritz, Aubrey Jayanama, Mostafa Bassiouni, Jesse Mendez, Naim Kapucu, Qian Hu, Jana Jasinski, George Fulginiti, Shawn Lawrence, Jesica Lovelace, Peter Larson, Amelia Lyons, Patrick Pabian, Ahmad Elshennawy, Joseph Brennan, Thomas Cox, Wei Zhang, Thomas Dolan

Welcome and call to order. Dr. Jennifer Sandoval, who chaired the meeting in Dr. Kelliher's absence, called the meeting to order at 2:30 p.m. and welcomed the committee and guests. A quorum was established. The minutes (curriculum, course) from the November 15, 2017 meeting were reviewed and approved.

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 library assessment was completed and included in the documentation. The certificate program addition received unanimous approval.

Revision of COHPA Corrections Leadership Graduate Certificate program effective Summer 2018.
Elexis Ritz explained the revision is for elective course offering changes. The program revision received unanimous approval.

Revision of CEHP Community College Education Track of Educational Leadership MA program effective Summer 2018.
Dr. Thomas Cox presented the revision to remove the word “community” from the name of the program, catalog, and related courses. The revision is a reflection of the mission changes to these institutions in the state of Florida. The program revision received unanimous approval.

Revision of CEHP Community College Education Graduate Certificate program effective Summer 2018.
Dr. Thomas Cox presented the revision to remove the word “community” from the name of the program, catalog, and related courses. The revision is a reflection of the mission changes to these institutions in the state of Florida. The certificate program revision received unanimous approval.
Revision of CECS Systems Engineering Graduate Certificate program effective Summer 2018.
Dr. Ahmad Elshennawy explained the revision is based on industry feedback and the administrative and technical systems engineering experience of newly hired faculty. The revision includes new courses, course revisions, and some catalog wording changes. The program revision received unanimous approval.

Suspension of CON three Tracks of Master of Science in Nursing MSN program effective Fall 2018
- Adult-Gerontology Acute Care Nurse Practitioner Track
- Adult-Gerontology Primary Care Nurse Practitioner Track
- Family Nurse Practitioner Track.
Dr. Diane Andrews explained the suspensions are a result of the disciplinary trend for students to pursue the BSN to DNP rather than the MSN for advanced nursing practice. This change is recommended by The American Association for Colleges of Nurses and current national standards. The program suspension received unanimous approval.

Equipment Fees.
Dr. Jensen explained that these requests are continuations of current fees. No new equipment fees will be considered this year. The four equipment fee requests received unanimous approval.

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

Adjournment.
The meeting adjourned at 3:30p.m. This is the last meeting of the Fall semester. The next meeting is scheduled for January 10, 2018.
Course Minutes - November 29, 2017

1. Course Additions

**College of Business Administration Course Additions**

Tabled- Edits needed to course description. 12/1/17 received feedback and updated course description.

<table>
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<th>Course Code</th>
<th>Department</th>
<th>Credits</th>
<th>Description</th>
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<tbody>
<tr>
<td>ENT 5XXX</td>
<td>BA-MAN</td>
<td>3(3,0)</td>
<td>Creativity and Entrepreneurship: PR: Graduate Standing. This course is designed to teach you how to recognize the problems, create solutions, and introduce innovations that improve peoples' lives. <strong>Fall.</strong></td>
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**Abbrev:** (31 of 30 chars) Creativity and Entrepreneurship

**Rationale:** This course will be used as part of the MS in Management-Entrepreneurship track curriculum

**Majors taking course:** Management MS-Entrepreneurship track

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**College of Engineering and Computer Science Course Additions**

**Approved**

<table>
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<tr>
<td>CAP 5XXX</td>
<td>CECS-CS</td>
<td>3(3,0)</td>
<td><strong>Medical Image Computing:</strong> 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. <strong>Spring. Abbrev:</strong> (23 of 30 chars) Medical Image Computing</td>
</tr>
</tbody>
</table>

**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.
Tabled- Clarification to course description is needed. 12/1/17 received feedback and updated course description.

**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.

**Approved**

**ESI 6XXX  CECS-IEMS  3(3,0)**

**Systems Architecture:** PR: ESI 6551. This course discusses the processes and fundamentals of system architecting to include software such as SySML, modeling system, requirements, structure, and behavior. *Spring.*

**Abbrev: (20 of 30 chars) Systems Architecture**

**Discussion with others: none**

**Rationale:** The course is currently part of the IEMS curriculum but has been mis-numbered. This proposed new course aligns the course numbering system with the Florida Department of Education Statewide Course Numbering System. The statewide system also uses the more common name of "architecture" versus "architecting". Systems Architecture is typically the second class in a SE program/sequence following an introduction/requirements class. 

**Majors taking course:** This course will be used for one of the four courses in the graduate certificate in Systems Engineering.

**Approved**

**ESI 6XXX  CECS-IEMS  3(3,0)**

**Systems Integration and Testing:** PR: ESI 6XXX Systems Architecture. This course focuses on the application of systems engineering principles to the integration and test and evaluation of system elements and, ultimately, of the total system. *Fall.*

**Abbrev: (31 of 30 chars) Systems Integration and Testing**

**Rationale:** This course will serve as the integrative course for the system engineering certificate. Along with the proposed ESI 6551 and 6552 (both are pre requisites for this class) courses this class will provide the systems engineering content needed to have a working knowledge of the fundamentals of systems engineering.

**Majors taking course:** This course will be used for one of the four courses in the graduate certificate in Systems Engineering.
College of Health and Public Affairs Course Additions

Approved

PHT 6XXXL        HPA-HP             2(0,2)
Physiologic Assessment in Physical Therapy Practice: PR: PHT 6156. Course provides clinical applications and laboratory demonstrations of human musculoskeletal, neurological, cardiovascular, hemopoietic, respiratory, gastrointestinal, and renal systems. Fall. Abbrev: (30 of 30 chars) Physiological Assessment in PT
Discussion with others: None - DPT specific
Rationale: The proposed change is to change the existing course PHT 6156C into lecture only, and to create a new course for the lab component. Course is currently structured as a course, however, it functions as two independent courses a separate lecture, and lab with two instructors of record (one for lecture, one for lab) as well as two class meet times and dates. Separating lecture and lab into two components will allow for faculty to increase focus areas of physiologic systems that are more relevant to physical therapy and rehabilitation sciences. Students have expressed frustration with current structure, as one grade is earned despite the content being delivered, practiced, and scored using separate/unique methods, parameters, instructors, and expectations.
Majors taking course: Doctorate of Physical Therapy

Approved

PHT 6XXX        HPA-HP             2(2,0)
Pharmacology in Physical Therapy Practice: PR: Admission to the Doctorate of Physical Therapy program. Organized lectures and seminars on medical and pharmacological management in physical therapy practice of various medical conditions. Spring. Abbrev: (27 of 30 chars) Pharmacology in PT Practice
Discussion with others: None - specific to DPT program
Rationale: The proposed change is to split the current PHT 6306 Pathology/Pharmacology course into two separate courses based on their unique content and how it applies to the profession of physical therapy. PHT 6306 is currently structured as a course, however, it functions as two independent courses with two instructors of record (one for pathology content, one for pharmacology content) as well as two class meet times and dates. Students have expressed frustration with current structure, as one grade is earned despite the content being delivered, practiced, and scored using separate/unique methods, parameters, instructors, and expectations.
Majors taking course: Doctorate of Physical Therapy
College of Medicine Course Additions

Approved- conditional upon shortened title abbreviation. 12/13/17 received feedback and updated title abbreviation.

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

MDE 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

MAP 7XXX COS-MATH 3(3,0) Advanced Topics in Partial Differential Equations: PR: MAP 6356 Partial Differential Equations, MAP 5356 Functional Analysis, or C.I. The course prepares students advanced PDE techniques needed for their future research. Occasional. Abbrev: (23 of 30 chars) Advanced Topics in PDEs
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
Approved
INR 6XXX       COS-POLS       3(3,0)

International Relations of Africa:
PR: Graduate Standing or C.I. This seminar investigates international relations in the
African context, with an explicit focus on implications for international security. Occasional.
Abbrev: (30 of 30 chars) International Relations Africa
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

2. Special Topics Additions

College of Engineering and Computer Science Special Topics Additions

Approved conditionally on 2 overlap discussions. Received approval email 12/7/17 from
the Burnett School of Biomedical Sciences with overlap discussion. Waiting on overlap
discussion from Health Management & Informatics.
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."

Approved
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).

Approved
EEL 5937        ECS-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

Approved
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 Health and Public Affairs Special Topics Additions**

Approved
SOW 6938        HPA-SOWK  3(3,0)
Abbrev: (30 of 30 chars) ST: Military Culture SW Pract
Discussion with others: None
Rationale: The existing 5000 level course is being revised to include more clinical practice material. The name has also been changed. The program needs to offer the new content in spring 2018 to accommodate newly admitted students in the certificate.

**College of Optics and Photonics Special Topics Additions**

Approved
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
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: 4 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.

**College of Education and Human Performance Course Revisions**

**Approved**

EDH 6081  Contemporary Problems in Community Colleges  3(3,0)

Contemporary Issues in Colleges

PR: EDH 6204 Graduate standing or C.I. Analysis of the critical issues facing community-colleges today and in the near future.

**Abbrev (27 of 30): Contemporary Problems in CCs Contemporary College Issues**

Term Offered: Occasional Odd Spring, Summer

Discussion with others: No possible duplications exist. No other programs offer a college "issues" course.

**Rationale:** Since the state of Florida no longer has "community" colleges, the word "community" is being removed. This gives the course broader appeal to approach college issues in general.

There are no programs that list EDH 6081.

**Approved**

Community College Organization,
EDH 6204  Administration, and Supervision  3(3,0)
Leadership in College Organizations

PR: Graduate standing or C.I.
An analysis of the organizational structure and administrative leadership functions of the community college as they relate to instruction and curriculum.
Abbrev (23 of 30): CC-Org Admin & Supervision Ldrship in College Orgs
Term Offered: Fall Odd Fall, Even Spring, Odd Summer
Rationale: Since the state of Florida no longer has "community" colleges, the word "community" is being removed. This gives the course broader appeal to approach college issues in general.
Majors taking course: Higher Ed/College Track in Ed Leadership MA and Graduate Certificate students
There are no programs that list EDH 6204.

Approved
EDH 6215  Community College Curriculum  3(3,0)
The College Curriculum

PR: Graduate standing or C.I.
Examination An examination of the background, development, function, and goals of the curriculum of the community college.
Abbrev (18 of 30): Community College Curriculum College Curriculum
Term Offered: Spring Even Fall, Odd Spring, Even Summer
Rationale: Since the state of Florida no longer has "community" colleges, the word "community" is being removed. This gives the course broader appeal to approach college issues in general. The content will be broadened to cover all levels of college curriculum beyond the community college.
Majors taking course: Higher Ed/College Track in Ed Leadership MA and the Graduate Certificate
There are no programs that list EDH 6215.

Approved
EDH 6305  Teaching and Learning in Colleges and Universities  3(3,0)

PR: EDF 7232. Graduate standing or C.I.
Focuses This course focuses on teaching effectiveness in the community college.
Abbrev (27 of 30): Teaching & Learning in the CC Tchng Lrng in Coll and Unvs
Term Offered: Fall Even Fall, Odd Spring, Even Summer
Rationale: Since the state of Florida no longer has "community" colleges, the word "community" is being removed. The addition of the word universities gives the course broader appeal to approach college teaching and learning in various post-secondary settings.
Majors taking course: Higher Ed/College Track in Ed Leadership MA and Graduate Certificate
There are no programs that list EDH 6305.
EDF 7475  Qualitative Research in Education  3(3,0)
PR: EDF 7463 or Doctoral standing of C.I.
Introduction to the philosophical and conceptual basis of qualitative research methods, strategies for gathering, analyzing, and interpreting qualitative data, emerging issues.
Rationale: We wish to eliminate EDF 7463 as a prerequisite. The prerequisite was added to ensure that students completed required research courses in a particular sequence, not because EDF 7463 is necessary for success. Doctoral students in Education may now complete this course in the first or second year. The course also serves students in other doctoral programs across UCF. The current prerequisite merely creates an unnecessary administrative burden. Majors taking course: PhD in Education and EdD in Higher Education There are no programs that list EDF 7475.

College of Engineering and Computer Science Course Revisions

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 followup COT6602.
There are no programs that list COT 6600.

EEL 5825  Pattern Recognition  3(3,0)
Pattern Recognition and Learning from Big Data
PR: EEL 4759 3021 or C++ EEL 5542.
Preliminaries of pattern recognition, Bayesian Decision Theory, linear discriminant functions, Neural Network approaches, decision tree classifiers, unsupervised learning and clustering, nonparametric techniques, and other topics reflecting the state-of-the-art.
Discussion with others: Update was shared with CS department but not concerns were noted. 

Rationale: Updating time and PR. Course has not been offered in 5 years but is planned to be offered in 18-19.

There is 1 program that lists EEL 5825: Intelligent Robotic Systems (IRS) - Interdisciplinary Minor

Approved

Engineering Applications of Linear and
Nonlinear Optimization 3(2,2)

ESI 5419C

Engineering Applications of Linear, 
Nonlinear and Integer Programming 3(3,0)

ESI 5419

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.

Not reviewed

Systems Architecting 3(3,0)

ESI 6551

Systems Engineering

PR: ESI 4312 or ESI 5306 or C.I. Graduate Standing with an earned graduate degree in a technical discipline (waivable for significant industry experience).

Introduction to heuristics approach to the process of systems architecting in business, economics, social, urban, military and government domains emphasizing the conceptual representation and acceptance phases.

Rationale: This course will form the first course in a three course sequence for the graduate certificate in SE. An introduction to systems engineering class that is focused on requirements, SE processes, and a general overview of SE is common for most graduate programs in SE.

Majors taking course: Engineering Management, Health Care Systems Engineering

There are no programs that list ESI 6551.

Not reviewed

Mechanics of Biostructures I 3(2,3)

BME 5216C

3(3,2)

PR: 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.
Not reviewed

BME 5217C  Mechanics of Biostructures II  3(2,2)  3(3,1)

PR: 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.

Not reviewed

BME 5268C  Applied and Computational Biofluids  3(2,2)  3(3,1)
BME 6XXXC
PR: EML 3701 and 3701, EGM 3601, 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

Not reviewed

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.

Not reviewed

EML 5572  Probabilistic Methods in Mechanical Design  3(3,0)
EML 6XXX
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.

**Not reviewed**

**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 spectroscopies 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.

**Not reviewed**

**EMA 5415**  
**Electronic Principles of Materials Properties**  
**3(3,0)**

PR: EGN 3365 or EMA 3706 or C.I.

The course covers fundamental concepts of band structure and bonding of materials, electrical and thermal conduction in metals, semiconductors, and dielectrics. 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 offered in Spring 2018.

There is 1 program that lists EMA 5415: Materials Science and Engineering - Minor

**Not reviewed**

**EMA 5504**  
**Modern Characterization of Materials**  
**3(2,2)**

PR: EMA 5104 or C.I.

Techniques: 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 Affairs**

PAF 7325  
3(3,0)

PR: Admission to Public Affairs Ph.D. or C.I. PR: PAF 7802 and PAF 7804.  
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.

Not reviewed

**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.

Not reviewed

**Full-Time MSW Generalist Field Education and Seminar II**

SOW 5539  
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 II FT MSW General 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 5539.
Part-Time MSW Generalist Field Education and Seminar I
SOW 5565 2(2,0)
Part-Time MSW Generalist Field Integrative Seminar I
SOW 5566 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 2(2,0)
Part-Time MSW Generalist Field Integrative Seminar II
SOW 5567 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 2(2,0)
Part-Time MSW Generalist Field Integrative Seminar III
SOW 5568 1(1,0)

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 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.

Not reviewed

**Full Time MSW Clinical Field Education and**

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<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credits</th>
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<tbody>
<tr>
<td>SOW 6531</td>
<td>Seminar I</td>
<td>4(4,0)</td>
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<tr>
<td></td>
<td>Full Time MSW Clinical Field Integrative Seminar I</td>
<td>2(2,0)</td>
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</tbody>
</table>

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.

Not reviewed

**Full Time MSW Clinical Field Education and**

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<tr>
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<tbody>
<tr>
<td>SOW 6536</td>
<td>Seminar II</td>
<td>4(4,0)</td>
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<td>Full Time MSW Clinical Field Integrative Seminar II</td>
<td>2(2,0)</td>
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</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 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 6536.

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<tbody>
<tr>
<td>Part-Time MSW Clinical Field Education and</td>
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<tr>
<td>SOW 6561</td>
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<tr>
<td>Seminar I</td>
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<tr>
<td>3(3,0)</td>
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<tr>
<td>Part-Time MSW Clinical Field Integrative</td>
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<tr>
<td>Seminar I</td>
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<tr>
<td>2(2,0)</td>
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<tr>
<td>PR: SOW 5567; SOW 6123 and SOW 6424. CR: SOW 6940.</td>
</tr>
<tr>
<td>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.</td>
</tr>
<tr>
<td>Abbrev (29 of 30): PT MSW Clin Field/Seminar I PT MSW Clinic Field Seminar I</td>
</tr>
<tr>
<td>Graded SU: Yes No</td>
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<tr>
<td>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.</td>
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<tr>
<td>Part-Time MSW Clinical Field Education and</td>
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<tr>
<td>SOW 6562</td>
</tr>
<tr>
<td>Seminar II</td>
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<tr>
<td>3(3,0)</td>
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<tr>
<td>Part-Time MSW Clinical Field Integrative</td>
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<tr>
<td>Seminar II</td>
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<tr>
<td>1(1,0)</td>
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<tr>
<td>PR: SOW 6561. CR: SOW 6940.</td>
</tr>
<tr>
<td>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.</td>
</tr>
<tr>
<td>Abbrev (29 of 30): PT MSW Clin Field/Seminar II PT MSW Clinic Field Seminar 2</td>
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<tr>
<td>Graded SU: Yes No</td>
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<tr>
<td>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.</td>
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<tbody>
<tr>
<td>Part-Time MSW Clinical Field Education and</td>
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<tr>
<td>SOW 6563</td>
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<tr>
<td>Seminar III</td>
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<tr>
<td>2(2,0)</td>
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<tr>
<td>Part-Time MSW Clinical Field Integrative</td>
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</table>
Seminar III  1(1,0)
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.

Not reviewed
Military and Veteran Culture with Historical
SOW 5149  Frameworks  3(3,0)
SOW 6XXX  Military Culture and Social Work Practice
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. 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.

Not reviewed
PHT 5125L     Clinical Kinesiology Lab     2(0,4)
CR: PHT 5125.
Graduate level study of human musculoskeletal movement with an emphasis on joint mechanics and clinical applications.
Rationale: Request to eliminate one credit hour from this course, making it a 1(0,2) course. Required course clock hours currently exceeds necessary time required to deliver course objectives.
There are no programs that list PHT 5125L.
**Not reviewed**

**PHT 5260L**  
**Patient Care Skills Lab**  
4(0,2)  
2(0,4)

**CR:** Patient Care Skills. PHT 5260.  
Skills of patient care, transfers, mobility skills.  
**Rationale:** Request to add one credit hour from this course, making it a 2(0,4) from a 1(0,2).  
Required course clock hours currently does not allow for necessary time required to deliver course objectives.  
There are no programs that list PHT 5260L.

**Not reviewed**

**PHT 5718**  
**Neurological Physical Therapy**  
2(2,0)  
3(3,0)

**CR:** Neurological Physical Therapy Lab. PHT 5718L.  
Analysis of selected neuromotor theories and their clinical applications. Examinations and interventions for the evaluation and treatment of neurological patients presented.  
**Rationale:** Request to add one credit hour from this course, making it a 3(3,0) from a 2(2,0).  
Current clock hours do not allow adequate time required to deliver course objectives.  
There are no programs that list PHT 5718.

**Not reviewed**

**PHT 6156C**  
**Applied Human Physiology for Health Sciences**  
5(3,2)  
3(3,0)

**PR:** Admission to the Doctor of Physical Therapy program.  
Course provides in-depth study of human cardiovascular, hemopoietic, respiratory, gastrointestinal, renal and reproductive systems with emphasis on mechanisms responsible for maintaining homeostasis.  
**Term Offered:** Fall Summer  
**Rationale:** The proposed change is to change this course into lecture only and to create a new course for the lab component. (PHT 6156 Applied Human Physiology, and PHT 6XXXL Physiologic Assessment in Physical Therapy Practice lab). Course is currently structured as a course, however, it functions as two independent courses a separate lecture, and lab with two instructors of record (one for lecture, one for lab) as well as two class meet times and dates. Separating lecture and lab into two components will allow for faculty to increase focus areas of physiologic systems that are more relevant to physical therapy and rehabilitation sciences.  
Students have expressed frustration with current structure, as one grade is earned despite the content being delivered, practiced, and scored using separate/unique methods, parameters, instructors, and expectations.  
There are no programs that list PHT 6156C.
Not reviewed
PHT 6219 Theories and Procedures II 2(2,0) 1(1,0) PR:
Theories PHT 5218 and Procedures I and lab; PHT 5218L: CR: Theories and Procedures II Lab. PHT 6219L.
Continuation of Theories and Procedures I. Focus on electrodiagnosis and electrophysiologic examinations and the interventions used in the treatment of pain and dysfunction.
Rationale: Request to remove one credit hour from this course, making it a 1(1,0) from a 2(2,0).
Required course clock hours currently exceeds necessary time required to deliver course objectives.
There are no programs that list PHT 6219.

Not reviewed
PHT 6242 Orthopedic Physical Therapy 2(2,0) 3(3,0) CR: Orthopedic Physical Therapy Lab. PHT 6242L.
Examination and interventions for the evaluation and treatment of specific orthopedic cases and injuries presented.
Rationale: Request to add one credit hour from this course, making it a 3(3,0) from a 2(2,0).
Required course clock hours currently does not allow for necessary time required to deliver course objectives.
There are no programs that list PHT 6242.

Not reviewed
PHT 6245 Therapeutic Exercise II 3(3,0) 2(2,0) PR:
Therapeutic Exercise I; PHT 5218 and PHT 5218L; CR: Therapeutic Exercise II Lab. PHT 6245L.
Exploration of the various therapeutic exercise modalities, and their application to the rehabilitation course of treatment.
Rationale: Request to remove one credit hour from this course, making it a 2(2,0) from a 3(3,0).
Required course clock hours currently exceeds necessary time required to deliver course objectives.
There are no programs that list PHT 6245.

Not reviewed
PHT 6306 Pathology/Pharmacology 4(4,0)
Pathology in Physical Therapy Practice 2(2,0) PR:
Admission to DPT program.
Organized seminars on the pathophysiology and clinical manifestations and treatments of various medical conditions as they relate to medical management in physical therapy practice.
Abbrev (24 of 30): Pathology/Pharmacology-Pathology in PT Practice
Rationale: The proposed change is to split this course into two separate courses based on their unique content and how it applies to the profession of physical therapy. Course is currently
structured as a course, however, it functions as two independent courses with two instructors of
record (one for pathology content, one for pharmacology content) as well as two class meet
times and dates. Students have expressed frustration with current structure, as one grade is
earned despite the content being delivered, practiced, and scored using separate/unique
methods, parameters, instructors, and expectations. There are no programs that list PHT 6306.

Not reviewed
PHT 6374C Gerontology in Physical Therapy Practice 2(2,1)
Geriatric Physical Therapy
PR: Admission to the Doctor of Physical Therapy program.
This course provides an introduction to physiological aging, the health status, and physical
therapy management of the older adult. The course will focus on examination, evaluation,
and development of intervention programs focusing on the normal aging process, exercise,
prevention, education, and its impact on the delivery of physical therapy to this population.
Abbrev (26 of 30): Gerontology in PT Practice Geriatric Physical Therapy
Rationale: Request to update course name (Gerontology in Physical Therapy) and course
description to be in better alignment with current professional language and course objectives.
There are no programs that list PHT 6374C.

Not reviewed
PHT 6521 Management of Physical Therapy Services 3(3,0)
2(2,0)
PR: Admission to DPT program.
Planning, organizing, delivering and evaluating physical therapy services within a health care
system, including quality management, third party payers, DRG’s and legislative impact.
Rationale: Request to remove one credit hour from this course, making it a 2(2,0) from a 3(3,0).
Required course clock hours currently exceeds necessary time required to deliver course
objectives.
There are no programs that list PHT 6521.

Not reviewed
PHT 6720 Wound Care and Professional Issues 1(1,0)
Integumentary Physical Therapy
PR: Admission to Physical Therapy program.
Instruction in contemporary issues and specialized care of the integumentary system provided by
physical therapists and in professional issues relevant to the contemporary practice.
Abbrev (16 of 30): Wound Care and Prof Issues Integumentary PT
Rationale: Professional issues content is covered in PHT 7021 Professional Practice in Physical
Therapy and the updated name better reflects the current content of this course. Integumentary
issues such as pathologies and wound care need more emphasis in the curriculum as content in
the UCF DPT program under-represents this area of PT clinical practice. There are no programs
that list PHT 6720.
Clinical Education I

PR: Admission to DPT program.
Collaborative course where students meet to analyze, synthesize and discuss current professional, ethical and moral decision-making in physical therapy setting, culminating in a six-week clinical internship. Graded S/U.

Rationale: Request to add one credit hour for this course, making it a 4(1,20) from a 3(1,15). Moving from a 6-week full-time internship to an 8-week full-time internship to better reflect the current national average for total clinical education weeks for the entry-level DPT education programs. UCF currently has 34 weeks of full-time clinical education, whereas the national average is currently 36 weeks. Change is related to feedback from clinicians, students, and program advisory board.

There are no programs that list PHT 6805C.

Physical Therapy Integration II

PR: PHT 7722C - Physical Therapy Integration I 7722C.
This course focuses on integrating foundational knowledge of physiology and pathology to develop physical therapy skills for examinations and interventions for the evaluation of medically complex patients and treatment of the spine. Various theoretical models explored. Case studies are used for integration of clinical information, special populations.

Abbrev (28 of 30): Physical Therapy Integration II - Physical Therapy Integration

Rationale: Request to update course name and description to better reflect the focus of the course which has evolved to emphasize the PT care of medically complex and special populations. Topic areas include orthotics & prosthetics, oncology, lymphedema, among others.

There are no programs that list PHT 7134C.

Management of Physical Therapy Services II

PR: PHT 6521.
Application of management, finance and economic health-related principles for strategy development, implementation and assessment for the physical therapy manager.

Rationale: Request to remove lab component for this course and convert to 2(2,0) lecture only course. Course content is presented in lecture form only, with no need for a lab component.

There are no programs that list PHT 7521C.

Advanced Orthopedic Physical Therapy II

PR: PHT 6716C.
Designed to correlate all previous coursework in curriculum in study presentations. Advanced evaluation procedures included. Advanced knowledge of differential diagnosis in the orthopedic patient covered.

**Abbrev (29 of 30): Advanced Orthopedic PT II Integrations in Orthopedic PT**

**Rationale:** Request to update name of the course to better reflect the focus which is designed to bring it all together, integrating previous coursework in orthopedic physical therapy. There are no programs that list PHT 7721C.

**Not reviewed**

<table>
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<th>Course Name</th>
<th>Credits</th>
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<tbody>
<tr>
<td>PHT 7722C</td>
<td>Physical Therapy Integration I</td>
<td>2(2,1)</td>
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<tr>
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<td>Integrative Clinical Practice</td>
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</table>

PR: Admission to DPT program. This course emphasizes the synthesis of clinical and differential diagnostic skills required of a physical therapist when deciding if physical therapy care is appropriate, in order to enter clinical practice.

**Abbrev (29 of 30): Physical Therapy Integration I Integrative Clinical Practice**

**Term Offered:** Fall Summer

**Rationale:** Request to update course name (from Physical Therapy Integration I) and description to better reflect the evolved nature of this course as a preparatory course for the first clinical internship. Name change better describes focus of the course on clinical practice in physical therapy. The core focus is not differential diagnosis as other courses in the curriculum solely focus on this area.

There are no programs that list PHT 7722C.

**Not reviewed**

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<th>Course Name</th>
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<tr>
<td>PHT 7780C</td>
<td>Advanced Gerontology in Physical Therapy</td>
<td>1(1,1)</td>
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<td></td>
<td>Advanced Geriatric Physical Therapy</td>
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PR: PHT 6374C.

In-depth discussion of physical therapist's role with elderly population. Includes examination, evaluation and development of intervention programs focusing on exercise, prevention, education and modification programs. Advanced topics in geriatric rehabilitation.

**Abbrev (21 of 30): Advanced Gerontology in PT Advanced Geriatric PT**

**Rationale:** Request to update course name (previously Advanced Gerontology in Physical Therapy) and description to be in better alignment with current professional language and course objectives.

There are no programs that list PHT 7780C.

**Not reviewed**

<table>
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<th>Credits</th>
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<tbody>
<tr>
<td>PHT 7822C</td>
<td>Advanced Clinical Education I</td>
<td>6(1,40)</td>
</tr>
<tr>
<td></td>
<td>Clinical Education II</td>
<td></td>
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</table>

PR: Admission to the Doctor of Physical Therapy program.

Collaborative course for third year students to meet, analyze, synthesize and discuss current ethical, legal, and moral decision-making in physical therapy clinical setting culminating in internship. Graded S/U.
Abbrev (21 of 30): Advanced Clinical Education I - Clinical Education II

**Rationale:** In an attempt to better streamline the clinical education internship courses, the program would like to update the course names as follows: PHT 6805 Clinical Education I (NO CHANGE) PHT 7822 CLINICAL EDUCATION II PHT 7823 Clinical Education III PHT 7829 Clinical Education IV

There are no programs that list PHT 7822C.

**Not reviewed**

PHT 7823C Advanced Clinical Education II 4(1,20)
Clinical Education III

PR: PHT 7822C.
Clinical education course to synthesize ethical, legal, and professional contemporary practice with evidence-based intervention, culminating in a full-time, 8-week clinical internship in physical therapy practice setting. Graded S/U.

Abbrev (22 of 30): Advanced Clinical Ed II - Clinical Education III

**Rationale:** In an attempt to better streamline the clinical education internship courses, the program would like to update the course names as follows: PHT 6805 Clinical Education I (NO CHANGE) PHT 7822 Clinical Education II PHT 7823 CLINICAL EDUCATION III PHT 7829 Clinical Education IV

There are no programs that list PHT 7823C.

**Not reviewed**

PHT 7829C Advanced Clinical Education III 4(1,20)
Clinical Education IV

PR: PHT 7823C.
Clinical education course to synthesize ethical, legal, and professional contemporary practice with evidence-based intervention, culminating in a full-time, terminal 8-week clinical internship in physical therapy practice setting prior to graduation. Graded S/U.

Abbrev (21 of 30): Advanced Clinical Ed III - Clinical Education IV

**Rationale:** In an attempt to better streamline the clinical education internship courses, the program would like to update the course names as follows: PHT 6805 Clinical Education I (NO CHANGE) PHT 7822 Clinical Education II PHT 7823 Clinical Education III PHT 7829 CLINICAL EDUCATION IV

There are no programs that list PHT 7829C.

**Not reviewed**

Policy and Program Evaluation for Public Affairs
PAF 7325 3(3,0)

PR: Admission to Public Affairs Ph.D. or C.I. PR: PAF 7802 and PAF 7804.
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.
4. Course Deletions

**College of Education and Human Performance Course Deletions**

Not reviewed
EBD 6226      ED-CFCS       3(3,0)
Theory and Application for Emotionally Handicapped PR: C.I. Study of various approaches to use in teaching emotionally handicapped children interpersonal and cognitive skills with special emphasis on the severe and moderate populations.
**Rationale:** Program faculty wish to delete this course. **There are no programs that list EBD 6226.**

Not reviewed
MHS 6930      ED-E&HS       3(3,0)
Current Trends in Counselor Education PR: MHS 5005 or 6500 or C.I. Current trends affecting the rapid changes in the counseling field.
**Rationale:** Program area faculty have decided to delete this course. **There are no programs that list MHS 6930.**

**College of Engineering and Computer Science Course Deletions**

Not reviewed
EEE 6371      CECS-ECE     3(3,0)
**Rationale:** Course has not been offered in 5+ years and department didn't present materials to continue course. Indicated that it was fine to delete after original deadlines had passed. **There are no programs that list EEE 6371.**
EEE 6372  CECS-ECE  3(3,0)
Advanced Topics in Electronics PR: EEE 6371 or C.I. Advanced and current topics in electronics such as power electronics and semiconductor integrated circuits.
Rationale: Course has not been offered in 5+ years and department didn't present materials to continue course. Indicated that it was fine to delete after original deadlines had passed. There are no programs that list EEE 6372.

EEL 5881  CECS-ECE  3(3,0)
Software Engineering I PR: COP 4331C or C.I. Design, implementation, and testing of computer software for Engineering applications.
Discussion with others: Course has not been offered in 5+ years and department didn't present materials to continue course. Indicated that it was fine to delete after original deadlines had passed.
There are no programs that list EEL 5881.

EEL 6680  CECS-ECE  3(3,0)
Advanced Topics in Modern Control Systems PR: C.I. Introduces students to present-day issues in control systems analysis, design, and implementation.
Rationale: Course has not been offered in 5+ years and department didn't present materials to continue course. Indicated that it was fine to delete after original deadlines had passed. There are no programs that list EEL 6680.

EEL 6769  CECS-ECE  3(3,0)
Parallel Knowledge Processing Systems PR: EEL 6762 and EEL 5874 or C.I. Design and performance of computer architectures supporting parallel reasoning techniques, including concurrency in search algorithms, genetic algorithms, semantic networks, marker-propagation, and rule-based systems.
Rationale: Course has not been offered in 5+ years and department didn't present materials to continue course. Indicated that it was fine to delete after original deadlines had passed. There are no programs that list EEL 6769.

5. Course Continuations
**College of Education and Human Performance Course Continuations**

Not reviewed

EDH 7638  ED-CFCS  3(3,0)

**Advanced Seminar in Higher Education** PR: Doctoral standing or C.I. Course explores "the enduring enigmas" in Higher Education, those long-contested controversies forging the patterns and traditions of our colleges and universities.

Rationale: The EdD in Educational Leadership--Higher Education track intends to use this course in its program.

There are no programs that list EDH 7638.

Not reviewed

GEY 5600  ED-CFCS  3(3,0)

**Physiology of Aging** PR: BSC 2010C or PCB 3703C or APK 4110C or equivalent. The purpose of this course is to develop the student's understanding of the effects of human aging on various body systems.

Rationale: Program area faculty have determined that this course should be continued.

There are no programs that list GEY 5600.

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**College of Engineering and Computer Science Course Continuations**

Not reviewed

EEE 6326C  CECS-MECH/AERO  3(1,2)

**MEMS Fabrication Laboratory** PR: C.I. Silicon Nitride and Poly-silicon Depositions, Photolithography, Dry and Wet etching processes, Metal depositions and etching, MEMS device design and fabrication.

Rationale: The course has not been offering in 5 years but is currently scheduled for spring 18.

There are no programs that list EEE 6326C.