



# The Graduate School

## UNIVERSITY OF SOUTH CAROLINA

### GRADUATE COUNCIL MINUTES November 26, 2012

The Graduate Council met on Monday November 26, 2012 at 2:00 P.M. in room 311 of the Byrnes Building.

**Graduate Council members present:** Dr. Joseph Quattro, Chair; Drs. Subra Bulusu, Erik Drasgow, Edward Gatzke, Minuette Floyd, J. Daniel Jenkins, Kartik Kalaignanam, DeAnne Messias, Murray Mitchell, Lauren Sklaroff, Paul Solomon, Tracey Weldon-Stewart, Adela Vraciu;

**Graduate Council members absent:** Drs., Wayne Carver, Ercan Turk, Michael Hodgson, Lee Walker, Terrance Weik;

**Graduate School Representatives:** Dr. Jessica Elfenbein, Dale Moore and Valarie Trapp

**Graduate Student Representative:** John Knox

**Provost Office Representative:** Dr. Kristia Finnigan

***NOTE: These minutes will become final on January 2, 2013, if not challenged.***

1. **Call to Order and Approval of Agenda** (Joseph Quattro)

Dr. Quattro called the meeting to order at 2:08 p.m.

2. **Approval of minutes** ([Minutes of the October 22, 2012 meeting](#)). The minutes were reviewed electronically and were approved by the Council pending additional comments provided from the Report of the Academic Policy and Practices Committee, Dr. Paul Solomon.

Minutes are on file at The Graduate School website at:  
<http://app.gradschool.sc.edu/gradcouncil/minutes.asp>

3. **Report of the Chair** (Joseph Quattro)

Dr. Quattro requested the minutes be updated per Dr. Solomon's request.

4. **Report of the Dean of The Graduate School** (Lacy Ford is excused)

Dr. Effenbein (Senior Associate Dean) shared information regarding the success of the Graduate School Open House after receiving positive feedback from attendees. She requests and welcomes further feedback for future meetings and functions; especially, regarding "likes and dislikes" of the Open House format.

Dr. Effenbein reported success with the visiting deans, Dr. Ramona Mellott and Dr. Maureen Grasso, November 13-14, 2012. In regards to Diversity in Recruiting, she stated that the key to success in this area will be in establishing sound data. She thanked those involved and attributed the success of the visit to strong faculty participation.

Dr. Effenbein shared information regarding George Thompson, Publisher-in-Residence, during his week of interviews with Presidential Fellows, graduate students, and lectures November 13th - 16th, 2012. This event was very well-received; and, allows for new partnerships with USC Press and graduate students.

Dr. Effenbein announced the search for a new Program Coordinator is under way to replace Cynthia Stanley who is transitioning from a Program Coordinator position to Information Resource Consultant I – Network Manager. Dr. Effenbein also announced upcoming postings of new positions for graduate assistants, and a position for a Data and Special Events Coordinator.

**5. Report of the Associate Dean / Secretary of the Graduate Council**  
(Murray Mitchell)

Dr. Mitchell announced that he will be sharing information for "new" Graduate Directors, Graduate Coordinators and Administrators at the Graduate School on Tuesday, November 27 from 1:30pm to 3:00 pm. He stressed that the sessions are intended to target new people, to offer guidance in valuable resources which include admissions processing, tracking documents, financial aid in recruiting new students, and identifying resources for current students.

Dr. Mitchell will address understanding program of study responses to track progress of students before it becomes an issue for the student within the department. The session will also include information regarding Academic Regulations found in the Graduate Bulletin, where answers to 75% of the questions he receives, can be found.

Dr. Mitchell introduced information regarding the Banner Document Management System (BDMS). He shared that BDMS is taking the place of IMS which is currently used to track student information.

Dr. Mitchell's mission will be to identify key topics without overwhelming anyone, and helping people in these new positions to put faces to names of the Graduate School personnel and to know where to go for answers to other questions that they may face.

Dr. Mitchell requested that anyone with topics within their departments which need to be addressed, to please contact him directly. He is available to help.

**6. Report of the Graduate Student Association Representative** (John Knox)

Mr. Knox addressed Aspire and SPARC Grant programs and funding possibilities for graduate students. Dr. Effenbein informed him that the Graduate School does not handle funding for either program; but, he should contact the Office of Research. Dr. Effenbein offered to point him in the right direction to pursue this endeavor.

7. **Report of the Academic Policy and Practices Committee** (Paul Solomon)

Dr. Solomon addressed the previous minutes and the need for the Tuition Recommendations and Fee Descriptions for Active Duty Military Tuition to be updated in the October 22, 2012 minutes.

Dr. Mitchell assured Dr. Solomon that the minutes will be updated per his request by the end of this day.

8. **Report of the Committee on 500/600 Level Courses, Distance Education and Special Courses** (Murray Mitchell)

**DED Approval:**

[PHYT J 757 Pharmacology for the Physical Therapist](#) (2)

[Effective Term: Spring 2013]

**500-600 Level Course Approvals:**

ENHS 515 Intro to Public Health & Emergency Preparedness & Response (3)

[Effective Term: Fall 2013]

ENHS 664 Environmental Genomics (3)

[Effective Term: Spring 2013]

HPEB 653 Nutrition Assessment and Counseling (3)

[Effective Term: Spring 2013]

JOUR 555 Publication Design (3)

[Effective Term: Spring 2013]

JOUR 560 Advertising Management

[Effective Term: Fall 2013]

HPEB 521 The Total School Health Program (3)

Prerequisites: HPEB 331 or 434, or consent of instructor

[Effective Term: Spring 2013]

HPEB 555 Managing Stress

[Effective Term: Spring 2013]

9. **Fellowships and Scholarships Committee** (Wayne Carver was absent)

Dr. Eifenbein reported that Dr. Ford is reviewing the Fellowships and Scholarships offered by the Graduate School and will be making modifications to better serve the students and programs at the University of South Carolina. She announced that the changes will be on the revamped Graduate School website by January 1st, 2013.

Dr. Eifenbein reminded the council members that April 12, 2013 is Graduate Student Day.

10. **Report of the Science, Math, and Related Professional Program Committee** (Edward Gatzke)

**School of Medicine****New Course Proposal: APPROVED**[NPSY 763 LGBT Issues Counseling and Rehabilitation](#) (3)

Contemporary issues related to the provision of effective counseling and rehabilitation services with the lesbian, gay, bisexual, transgendered (LGBT) population. The focus will be on attaining a level of applied knowledge and awareness commensurate with master's level professional practice.

[Effective Term: Spring 2013]

**Public Health****New Course Proposal: APPROVED**[PUBH 700 Perspectives in Public Health](#) (3)

Seminar-format orientation to history, mission, and core services and disciplines of public health to develop understanding of current public health practice and how many health-related disciplines contribute to achieving public health goals.

[Effective Term: Spring 2013]

**Pharmacology, Physiology and Neuroscience****Course Change Proposal: APPROVED**From: [PHPH 773 Health Assessment in Anesthesia](#) (3)

Change Credit Hours from fixed to Variable.

Preoperative assessment, intraoperative management and postoperative management of patients receiving anesthesia. Development of cognitive and psychomotor skills needed to perform an advanced health assessment for patients undergoing anesthesia.

To: PHPH 773 Health Assessment in Anesthesia (1-3)  
Preoperative assessment, intraoperative management and postoperative management of patients receiving anesthesia. Development of cognitive and psychomotor skills needed to perform an advanced health assessment for patients undergoing anesthesia.

[Effective Term: Spring 2013]

**ARNOLD SCHOOL OF PUBLIC HEALTH****Exercise Science****Academic Program Actions/Bulletin Change: APPROVED**

From: [EXSC DPT Doctor of Physical Therapy](#) (123)

**Degree Requirements (123 Post Baccalaureate Hours)  
Foundational Core (26 Hours)**

PHYT 701 - Human Musculoskeletal and Gross Anatomy  
PHYT 702 - Musculoskeletal and Gross Anatomy Dissection  
EXSC 731 - Mechanisms of Motor Skill Performance.  
EXSC 782 - Mechanical Analysis of Motor Skills.  
EXSC 780 - Physiology of Exercise.  
EXSC 742 - Clinical Exercise Testing.  
EXSC 781 - Physiology, Exercise, and Disease.  
PHPH 750 - Fundamental Neuroscience I

**Clinical Core (62 Hours)**

PHYT 750 - Orthopedic Physical Therapy I.  
PHYT 720 - Fundamentals of Physical Therapy.  
PHYT 751 - Orthopedic Physical Therapy II  
PHYT 763 - Modalities: Therapy and Application  
PHYT 740 - Professional Issues in Physical Therapy  
PHYT 754 - Mobilization and Manipulation  
PHYT 756 - Topics in Physical Therapy: ICU, Integumentary, and Women's Health Issues.  
PHYT 770 - Acute Care Physical Therapy.  
EXSC 710 - Behavioral Aspects of Physical Activity.  
PHYT 757 - Topics in Physical Therapy: Pharmacology and Prosthetics  
PHYT 759 - Therapeutic Exercise  
PHYT 788 - Evidence-Based Practice in Physical Therapy.  
EXSC 784 - Cardiovascular/Pulmonary Testing and Programming.  
PHYT 806 - Clinical Pathology and Differential Diagnosis.  
PHYT 808 - Neural Rehabilitation and Repair  
PHYT 809 - Neuromuscular Assessment and Treatment I.  
PHYT 815 - Management of Physical Therapy Practice.  
PHYT 810 - Neuromuscular Assessment and Treatment II.  
PHYT 758 - Patient Education in Physical Therapy.  
PHYT 764 - Cultural Competence in Health Care.  
PHYT 811 - Pediatrics and Orthotics.

**Clinical Experiences (19 Hours)**

PHYT 850 - Clinical Experience Physical Therapy I  
PHYT 851 - Clinical Experience in Physical Therapy II  
PHYT 852 - Clinical Experience in Physical Therapy III  
PHYT 853 - Clinical Experience in Physical Therapy IV

**Research Core (16 Hours)**

BIOS 700 - Introduction to Biostatistics  
PHYT 753 - Research Proposal Development.  
PHYT 785 - Seminar in Physical Therapy.  
PHYT 790 - Independent Study.

PHYT 888 - Research Project in Physical Therapy.

### **Sequence of Study**

The DPT program is a lock-step program in which required courses must be taken in sequence, as listed below, unless prior permission to vary the order is received from the program director.

### **First Year**

#### **Fall (16 credit hours total):**

PHYT 701 - Human Musculoskeletal and Gross Anatomy  
 EXSC 731 - Mechanisms of Motor Skill Performance.  
 EXSC 782 - Mechanical Analysis of Motor Skills.  
 PHYT 785 - Seminar in Physical Therapy.  
 BIOS 700 - Introduction to Biostatistics

#### **Spring (16 credit hours total):**

PHYT 702 - Musculoskeletal and Gross Anatomy Dissection  
 PHYT 720 - Fundamentals of Physical Therapy.  
 PHYT 750 - Orthopedic Physical Therapy I.  
 PHYT 785 - Seminar in Physical Therapy.  
 PHYT 759 - Therapeutic Exercise  
 PHYT 757 - Topics in Physical Therapy: Pharmacology and  
 Prosthetics

#### **Summer I (7 credit hours total):**

PHYT 763 - Modalities: Therapy and Application  
 PHYT 751 - Orthopedic Physical Therapy II

#### **Summer II (5 credit hours total):**

PHYT 740 - Professional Issues in Physical Therapy  
 PHYT 850 - Clinical Experience Physical Therapy I

### **Second Year**

#### **Fall (15 credit hours total):**

EXSC 780 - Physiology of Exercise. EXSC  
 742 - Clinical Exercise Testing. PHPH 750  
 - Fundamental Neuroscience I PHYT 754 -  
 Mobilization and Manipulation  
 PHYT 756 - Topics in Physical Therapy: ICU, Integumentary,  
 and Women's Health Issues.  
 PHYT 785 - Seminar in Physical Therapy.  
 PHYT 753 - Research Proposal Development.

#### **Spring (16 credit hours total):**

EXSC 710 - Behavioral Aspects of Physical Activity.  
 EXSC 781 - Physiology, Exercise, and Disease.  
 PHYT 770 - Acute Care Physical Therapy.  
 PHYT 788 - Evidence-Based Practice in Physical Therapy.  
 PHYT 785 - Seminar in Physical Therapy.  
 PHYT 808 - Neural Rehabilitation and Repair

**Summer I (6 credit hours total):**

EXSC 784 - Cardiovascular/Pulmonary Testing and Programming.  
 PHYT 809 - Neuromuscular Assessment and Treatment I.

**Summer II (4 credit hours total):**

PHYT 851 - Clinical Experience in Physical Therapy II

**Third Year**

**Fall (14 credit hours total):**

PHYT 758 - Patient Education in Physical Therapy.  
 PHYT 790 - Independent Study.  
 PHYT 806 - Clinical Pathology and Differential Diagnosis.  
 PHYT 810 - Neuromuscular Assessment and Treatment II.  
 PHYT 815 - Management of Physical Therapy Practice.  
 PHYT 785 - Seminar in Physical Therapy.

**Spring (9 credit hours total):**

PHYT 852 - Clinical Experience in Physical Therapy III  
 PHYT 888 - Research Project in Physical Therapy.

**Summer I (6 credit hours total):**

PHYT 764 - Cultural Competence in Health Care.  
 PHYT 811 - Pediatrics and Orthotics.

**Summer II (if needed; variable credit hours):**

PHYT 888 - Research Project in Physical Therapy.

**Fourth Year**

**Fall (9 hours total):**

PHYT 853 - Clinical Experience in Physical Therapy IV  
 PHYT 888 - Research Project in Physical Therapy.

To: Doctor of Physical Therapy (124)  
**Foundational Core (23 Hours)**

PHYT 701 - Human Musculoskeletal and Gross Anatomy  
 PHYT 702 - Musculoskeletal and Gross Anatomy Dissection

EXSC 731 - Mechanisms of Motor Skill Performance.

[PHYT 782 - Functional Anatomy.](#)

EXSC 780 - Physiology of Exercise.

EXSC 742 - Clinical Exercise Testing.

PHPH 750 - Fundamental Neuroscience I

### **Clinical Core (66 Hours)**

PHYT 750 - Orthopedic Physical Therapy I.

PHYT 720 - Fundamentals of Physical Therapy.

PHYT 751 - Orthopedic Physical Therapy II

[PHYT 752 - Advanced Examination Techniques for Orthopedic Physical Therapy](#)

PHYT 763 - Modalities: Therapy and Application

PHYT 740 - Professional Issues in Physical Therapy

PHYT 754 - Mobilization and Manipulation

[PHYT 755 - Spinal Manual Therapy](#)

PHYT 756 - Topics in Physical Therapy: ICU, Integumentary, and Women's Health Issues.

[PHYT 760 - Orthotics and Prosthetics](#)

PHYT 770 - Acute Care Physical Therapy.

[PHYT 757 - Pharmacology for the Physical Therapist](#)

PHYT 759 - Therapeutic Exercise

[PHYT 765 - Geriatric Physical Therapy](#)

PHYT 788 - Evidence-Based Practice in Physical Therapy.

EXSC 784 - Cardiovascular/Pulmonary Testing and Programming.

PHYT 806 - Clinical Pathology and Differential Diagnosis.

PHYT 808 - Neural Rehabilitation and Repair

PHYT 809 - Neuromuscular Assessment and Treatment I.

PHYT 815 - Management of Physical Therapy Practice.

PHYT 810 - Neuromuscular Assessment and Treatment II.

[PHYT 811 - Pediatric Physical Therapy](#)

### **Clinical Experiences (19 Hours)**

PHYT 850 - Clinical Experience Physical Therapy I

PHYT 851 - Clinical Experience in Physical Therapy II

PHYT 852 - Clinical Experience in Physical Therapy III

PHYT 853 - Clinical Experience in Physical Therapy IV

### **Research Core (16 Hours)**

BIOS 700 - Introduction to Biostatistics

PHYT 753 - Research Proposal Development.

PHYT 785 - Seminar in Physical Therapy.

PHYT 790 - Independent Study.

PHYT 888 - Research Project in Physical Therapy.

### **Sequence of Study**

The DPT program is a lock-step program in which required courses must be taken in sequence, as listed below, unless



prior permission to vary the order is received from the program director.

## **First Year**

### **Fall (16 credit hours total):**

PHYT 701 - Human Musculoskeletal and Gross Anatomy  
 EXSC 731 - Mechanisms of Motor Skill Performance.  
[PHYT 782 - Functional Anatomy](#)  
 PHYT 785 - Seminar in Physical Therapy.  
 BIOS 700 - Introduction to Biostatistics

### **Spring (16 credit hours total):**

PHYT 702 - Musculoskeletal and Gross Anatomy Dissection  
 PHYT 720 - Fundamentals of Physical Therapy.  
 PHYT 750 - Orthopedic Physical Therapy I.  
 PHYT 785 - Seminar in Physical Therapy.  
 PHYT 759 - Therapeutic Exercise  
[PHYT 757 - Pharmacology for the Physical Therapist](#)

### **Summer I (7 credit hours total):**

PHYT 763 - Modalities: Therapy and Application  
 PHYT 751 - Orthopedic Physical Therapy II

### **Summer II (6 credit hours total):**

PHYT 740 - Professional Issues in Physical Therapy  
 PHYT 850 - Clinical Experience Physical Therapy I

## **Second Year**

### **Fall (15 credit hours total):**

EXSC 780 - Physiology of Exercise. EXSC  
 742 - Clinical Exercise Testing. PPH 750  
 - Fundamental Neuroscience I PHYT 754 -  
 Mobilization and Manipulation  
 PHYT 756 - Topics in Physical Therapy: ICU, Integumentary,  
 and Women's Health Issues.  
 PHYT 785 - Seminar in Physical Therapy.  
 PHYT 753 - Research Proposal Development.

### **Spring (16 credit hours total):**

[PHYT 765 - Geriatric Physical Therapy.](#)  
[PHYT 760 - Orthotics and Prosthetics](#)  
 PHYT 770 - Acute Care Physical Therapy.  
 PHYT 788 - Evidence-Based Practice in Physical Therapy.  
 PHYT 785 - Seminar in Physical Therapy.  
 PHYT 808 - Neural Rehabilitation and Repair

**Summer I (6 credit hours total):**

EXSC 784 - Cardiovascular/Pulmonary Testing and Programming.  
 PHYT 809 - Neuromuscular Assessment and Treatment I.

**Summer II (4 credit hours total):**

PHYT 851 - Clinical Experience in Physical Therapy II

**Third Year****Fall (14 credit hours total):**

[PHYT 755 - Spinal Manual Therapy.](#)

PHYT 790 - Independent Study.  
 PHYT 806 - Clinical Pathology and Differential Diagnosis.  
 PHYT 810 - Neuromuscular Assessment and Treatment II.  
 PHYT 815 - Management of Physical Therapy Practice.  
 PHYT 785 - Seminar in Physical Therapy.

**Spring (9 credit hours total):**

PHYT 852 - Clinical Experience in Physical Therapy III  
 PHYT 888 - Research Project in Physical Therapy.

**Summer I (5 credit hours total):**

[PHYT 752 - Advanced Examination Techniques for Orthopedic Physical Therapy](#)

[PHYT 811 - Pediatric Physical Therapy](#)

**Summer II (if needed; variable credit hours):**

PHYT 888 - Research Project in Physical Therapy.

**Fourth Year****Fall (9 hours total):**

PHYT 853 - Clinical Experience in Physical Therapy IV  
 PHYT 888 - Research Project in Physical Therapy.

**New Course Proposal:****APPROVED**

[PHYT 752 Advanced Examination Techniques for Orthopedic Physical Therapy \(2\)](#)

An advanced course to enhance physical therapy students' knowledge of orthopedic examination tests. Emphasis will be placed on diagnostic accuracy of special tests (sensitivity, specificity, likelihood ratios, reliability and validity), interpretation of the results, and proper execution.

[Prerequisites: PHYT 750 and PHYT 751]

[Effective Term: Summer II]

**New Course Proposal:** **APPROVED**

[PHYT 755 Spinal Manual Therapy](#) (2)

Techniques will include spinal mobilization, mobilization with movement, manipulation, muscle energy, taping, soft tissue mobilization and integration of techniques into clinical practice.

[Prerequisites: PHYT 754, PHYT 720, PHYT 750, and PHYT 751]

[Effective Term: Fall 2013]

**New Course Proposal:** **APPROVED**

[PHYT 765 Geriatric Physical Therapy](#) (3)

Fundamental principles for assessment, treatment and overall foundations of geriatric physical therapy based upon the best available evidence.

[Effective Term: Spring 2013]

**New Course Proposal:** **APPROVED**

[PHYT 760 Orthotics and Prosthetics](#) (3)

Management of patients with amputations, prosthetics, and orthotics.

[Prerequisites/Corequisites: Must be enrolled in the DPT program]

[Effective Term: Spring 2013]

**Course Change Proposal:** **APPROVED**

From: [EXSC 782 Mechanical Analysis of Motor Skills](#) (4)

Change Course Title.

Change Course Designator.

To: PHYT 782 Functional Anatomy (4)

[Effective Term: Spring 2013]

**Course Change Proposal:** **APPROVED**

From: [PHYT 757 Topics in Physical Therapy: Pharmacology and Prosthetics](#) (2)

Management of the physical therapy patient on selected medications and rehabilitation of the amputee.

To: PHYT 757 Pharmacology for the Physical Therapist (2)  
Management of the physical therapy patient on selected medications.

[Effective Term: Spring 2013]

**Course Change Proposal/Bulletin Change: APPROVED**

From: [PHYT 811 Pediatrics and Orthotics](#) (3)  
Assessment and evaluation of selected pediatric conditions.  
Orthotic prescription and evaluation.

To: PHYT 811 Pediatric Physical Therapy (3)  
Assessment and evaluation of selected pediatric conditions.

[Effective Term: Spring 2013]

**Course Change Proposal: APPROVED**

From: [PHYT 740 Professional Issues in Physical Therapy](#) (2)  
Change Credit Hours to 3 hours.

To: PHYT 740 Professional Issues in Physical Therapy (3)

[Effective Term: Spring 2013]

**Course Change Proposal: APPROVED**

From: [PHYT 758 Patient Education in Physical Therapy](#) (1)  
Delete Course.

To: N/A

[Effective Term: Spring 2013]

**Course Change Proposal: APPROVED**

From: [PHYT 764 Cultural Competence in Health Care](#) (3)  
Delete Course.

To: N/A

[Effective Term: Spring 2013]

**COLLEGE OF ENGINEERING AND COMPUTING**

**Academic Program Actions/Bulletin Change: APPROVED**

[Master of Science - System Design](#) (30)

Degree Requirements (30 hours)

A total of 30 credit hours are required, with a maximum of 12 credit hours of 500-level courses. Six hours of thesis preparation is required with a final oral examination for thesis defense. The course number for the thesis will be specific to the department in which the research is conducted. Student achievement of program objectives will be assessed based on the successful thesis project and defense.

## Course Requirements

*Core courses:* nine credit hours.

Choose any three from the following courses:

CSCE 716 --Design for Reliability

CSCE 758 --Probabilistic System Analysis

CSCE 512 --System Performance Evaluation

CSCE 563 -- Systems Simulation

Twelve credit hours in a research area which must be directly related to thesis research from the courses listed below.

Three credit hours of complementary coursework must be chosen with advisor's consent.

## Required Courses

Available courses are listed below:

### *Electrical Engineering*

ELCT 521: Introduction to Microwaves

ELCT 530 - Industrial Controls

ELCT 531- Digital Control Systems

ELCT 551- Power Systems Design and Analysis

ELCT 553: Electromechanical Energy Conversion

ELCT 561: Advanced Electromagnetics

ELCT 562: Wireless Communications

ELCT 563: Semiconductor Electronic Devices

ELCT 564: RF Circuit Design for Wireless Communications

ELCT 566: Semiconductor Optoelectronics

ELCT 572 - Power Electronics

ELCT 573: High Speed Digital Systems

ELCT 751- Advanced Power Systems Analysis

ELCT 752: Power System Grounding & Transients

ELCT 753: Electrical Drives

ELCT 761: Fundamental Electromagnetics

ELCT 762: Signal Integrity in High Speed Circuits

ELCT 771: Optical Communications: Devices & Systems

ELCT 772: Advanced Power Electronics

ELCT 782: Power Semiconductor Devices

ELCT 837: Modern Control Theory

ELCT 838: Optimal Control & Estimation

ELCT 861: Advances in Electromagnetics

ELCT 862: Antennas & Radiation

ELCT 863: Computational Electromagnetics

ELCT 864: Microwave Devices & Circuits

ELCT 865: Signal Integrity on System Bus Technology

ELCT 883: Power Systems Stability & Control

### *Computer Science and Engineering*

CSCE 512- System Performance Evaluation

CSCE 513: Computer Architecture  
 CSCE 516: Computer Networks  
 CSCE 520: Database System Design  
 CSCE 522: Information Security Principles  
 CSCE 561: Numerical Analysis (Cross-listed as MATH 527)  
 CSCE 563: Systems Simulation  
 CSCE 711: Advanced Operating Systems  
 CSCE 713: Advanced Computer Architecture  
 CSCE 716: Design for Reliability  
 CSCE 717: Computer System Performance and Reliability  
         Analysis  
 CSCE 741: Software Process  
 CSCE 742: Software Architectures  
 CSCE 758: Probabilistic System Analysis  
 CSCE 760: Numerical Analysis I  
 CSCE 761: Numerical Analysis II (Cross-listed as MATH 727)  
 CSCE 846: Software Reliability and Safety  
 CSCE 790: Topics in Information Technology

### **Additional Information**

All candidates for a degree in the MS in System Design graduate program must complete a comprehensive assessment that is distinct from program course requirements. A comprehensive assessment requires the student to synthesize and integrate knowledge acquired in coursework and other learning experiences and to apply theory and principles in a situation that approximates some aspect of professional practice or research in the discipline. Students in this program will fulfill the comprehensive assessment requirement by successful completion and defense of the thesis.

[Effective Term: Fall 2013]

## **COLLEGE OF PHARMACY**

### ***Pharmaceutical Sciences***

#### **New Course Proposal:**

**APPROVED**

#### **[PHAR 701 Current Topics in Pharmaceutical Sciences](#) (4)**

Addresses recent concepts and technology in the pharmaceutical and biomedical sciences. Assists students in interpreting and evaluating published literature; and, understanding and presenting, in oral or written formats, scientific research in the pharmaceutical and biomedical sciences.

[Prerequisites: PHAR 700]

[Effective Term: Spring 2013]

**Academic Program Actions  
Bulletin Change**

**APPROVED**

From: [Pharmaceutical Sciences PhD](#) (60)

**Degree Requirements (60-67 Post Baccalaureate Hours)**

The Ph.D. is offered in the following areas of specialization:  
In the Department of Pharmaceutical and Biomedical Sciences:

Medicinal Chemistry (Synthetic or Biomedical)  
Pharmaceutics  
Pharmacology

In the Department of Clinical Pharmacy and Outcomes Sciences:  
Pharmaceutical and Health Outcomes

The Ph.D. requires a minimum of 60 hours beyond the baccalaureate degree, or a minimum of 30 hours beyond the master's degree as approved by advisement, including at least 12 credit hours of dissertation preparation. The Ph.D. degree requirements include an admission-to-candidacy examination, a comprehensive examination, and a dissertation. Further requirements are listed below for each specialization.

**In the Department of Pharmaceutical and Biomedical Sciences:**

A research advisor must be chosen by the end of the first year. Admission to candidacy must occur by the end of the second year, and includes the following: 1) Submission of a doctoral program of study form, which is approved by the doctoral thesis committee. Satisfactory completion of all coursework taken in the first two years will be evaluated by the committee. 2) Submission of a written initial research proposal, followed by an oral presentation and defense of the proposal to the thesis committee.

The comprehensive written and oral examination must be completed by the end of the third year. The topic of the research proposal must be in an area outside the student's research dissertation, and approved by the thesis committee.

A written dissertation, along with an oral presentation and defense, is required for the completion of the Ph.D. degree.

**In addition to the general requirements listed above, candidates for the Ph.D. degree are required to complete four departmental seminar courses:**

PHAR 712A - Seminar in Pharmaceutical Sciences  
PHAR 712B - Seminar in Pharmaceutical Sciences  
PHAR 712C - Seminar in Pharmaceutical Sciences  
PHAR 712D - Seminar in Pharmaceutical Sciences

**Additional information:**

A maximum of 4 hours credit can be earned for PHAR 712. Further degree requirements for each specialty area are listed below.

**Ph.D.–Medicinal Chemistry, (Biomedical) option (60 Hours)****Prerequisite Courses**

BIOL 460 - See Undergraduate Bulletin for course description.  
 CHEM 541 - Physical Chemistry  
 CHEM 542 - Physical Chemistry  
 CHEM 550 - Biochemistry

**Required Courses**

BIOL 655 - Biotechnology <sup>1</sup>  
 CHEM 751 - Biosynthesis of Macromolecules <sup>1</sup>  
 CHEM 752 - Regulation and Integration of Metabolism <sup>1</sup>  
 CHEM 753 - Enzymology and Protein Chemistry <sup>1</sup>  
 PHAR 700 - Principles of Pharmacology, Medicinal Chemistry, and Pharmaceutics  
 PHAR 704 - Advanced Medicinal Chemistry II  
 PHAR 712A - Seminar in Pharmaceutical Sciences  
 PHAR 712B - Seminar in Pharmaceutical Sciences  
 PHAR 712C - Seminar in Pharmaceutical Sciences  
 PHAR 712D - Seminar in Pharmaceutical Sciences  
 PHAR 737 - Advanced Pharmacology II

**Doctoral Directed Research (20-25 Hours)**

PHAR 896 - Doctoral Directed Research <sup>2</sup>

**Dissertation Preparation (12 Hours)**

PHAR 899 - Dissertation Preparation

**Notes:**

<sup>1</sup>Other electives may be substituted for this course if approved by the Ph.D. advisory committee, and the Dean of the Graduate School.

<sup>2</sup>Other didactic electives may be applied toward the total hours of credit required if approved by the Ph.D. advisory committee.

**Ph.D.–Medicinal Chemistry, (Synthetic) option (60 Hours)****Prerequisite Courses**

BIOL 460 - See Undergraduate Bulletin for course



description.

CHEM 541 - Physical Chemistry

CHEM 542 - Physical Chemistry

### **Required Courses**

CHEM 735 - Structural and Mechanistic Organic Chemistry

CHEM 736 - Mechanistic and Synthetic Organic Chemistry

PHAR 700 - Principles of Pharmacology, Medicinal Chemistry, and Pharmaceutics

PHAR 704 - Advanced Medicinal Chemistry II

PHAR 705 - Advanced Medicinal Chemistry III PHAR

712A - Seminar in Pharmaceutical Sciences PHAR

712B - Seminar in Pharmaceutical Sciences PHAR

712C - Seminar in Pharmaceutical Sciences PHAR

712D - Seminar in Pharmaceutical Sciences PHAR

714 - Drug Design by Molecular Modeling and Computational Techniques

### **Doctoral Directed Research (20-26 Hours)**

PHAR 896 - Doctoral Directed Research <sup>1</sup>

### **Dissertation Preparation (12 Hours)**

PHAR 899 - Dissertation Preparation

### **Note:**

<sup>1</sup>Other didactic electives may be applied toward the total hours of credit required if approved by the Ph.D. advisory committee.

### **Ph.D., Pharmaceutics option (60 Hours)**

### **Prerequisite Courses**

MATH 141

MATH 142

BIOL 460

See Undergraduate Bulletin for course description.

### **Required Courses**

BIOL 655 - Biotechnology <sup>1</sup>

CHEM 541 - Physical Chemistry <sup>1</sup>

PHAR 700 - Principles of Pharmacology, Medicinal Chemistry, and Pharmaceutics

PHAR 712A - Seminar in Pharmaceutical Sciences

PHAR 712B - Seminar in Pharmaceutical Sciences

PHAR 712C - Seminar in Pharmaceutical Sciences

PHAR 712D - Seminar in Pharmaceutical Sciences

PHAR 720 - Pharmacokinetics <sup>2</sup>

PHAR 726 - Advanced Pharmaceutics II <sup>2</sup>

STAT 515 - Statistical Methods I <sup>3</sup>

STAT 516 - Statistical Methods II <sup>3</sup>

### **Doctoral Directed Research (20-25 Hours)**

PHAR 896 - Doctoral Directed Research 4

### **Dissertation Preparation (12 Hours)**

PHAR 899 - Dissertation Preparation

### **Notes:**

<sup>1</sup>*Other courses in biology or chemistry may be substituted for this course if approved by the Ph.D. advisory committee, and the Dean of the Graduate School.*

<sup>2</sup>*Other courses in pharmaceuticals may be substituted for this course if approved by the Ph.D. advisory committee, and the Dean of the Graduate School.*

<sup>3</sup>*Other two-semester sequence courses in statistics or biostatistics may be substituted for this course if approved by the Ph.D. advisory committee, and the Dean of the Graduate School.*

<sup>4</sup>*Other didactic electives may be applied toward the total hours of credit required if approved by the Ph.D. advisory committee.*

### **Ph.D., Pharmacology option (60 Hours)**

#### **Prerequisite Course**

BIOL 460 - See Undergraduate Bulletin for course description.

#### **Required Courses**

BIOL 655 - Biotechnology <sup>1</sup>

PHAR 700 - Principles of Pharmacology, Medicinal Chemistry, and Pharmaceuticals

PHAR 712A - Seminar in Pharmaceutical Sciences

PHAR 712B - Seminar in Pharmaceutical Sciences

PHAR 712C - Seminar in Pharmaceutical Sciences

PHAR 712D - Seminar in Pharmaceutical Sciences

PHAR 736 - Advanced Pharmacology I

PHAR 737 - Advanced Pharmacology II

STAT 515 - Statistical Methods I <sup>2</sup>

### **Doctoral Directed Research (24-27 Hours)**

PHAR 896 - Doctoral Directed Research 3

### **Dissertation Preparation (12 Hours)**

PHAR 899 - Dissertation Preparation

**Notes:**

<sup>1</sup>Other electives may be substituted for these courses if approved by the Ph.D. advisory committee, and the Dean of the Graduate School.

<sup>2</sup>Other statistics or biostatistics may be substituted for this course if approved by the Ph.D. advisory committee, and the Dean of the Graduate School.

<sup>3</sup>Other didactic electives may be applied toward the total hours of credit required if approved by the Ph.D. advisory committee.

**Courses for the Pharm.D. and Ph.D. (60 Hours)**

In addition to the general requirements listed above, students pursuing the Pharm.D. and Ph.D. concurrently will take elective courses that are approved for graduate credit and fulfill requirements for the Ph.D. program. Electives in the Pharm.D. curriculum: up to nine credit hours can count toward both degrees, with the following stipulations. The student must have completed at least 90 hours of undergraduate course work, have a minimum GPA of 3.40, and have form GS-59 on file in The Graduate School. A grade of **B** or higher must be earned for the course to count for graduate credit. At least half of the electives must be numbered 700 or above. Courses numbered 500-699 are acceptable only if they have been approved for graduate credit. Graduate courses taught in units other than pharmacy must be approved by the graduate faculty of pharmacy as appropriate for a Ph.D. degree in pharmaceutical sciences. Registration for each course requires approval of the student's advisor, the chair of the student's department, the graduate director of the Ph.D. program, and the dean of The Graduate School. Form GS-59A must be processed for each graduate credit course at the time of registration to permit the registrar's office to properly enroll the student for graduate credit.

**Required Courses**

PHAR 712A - Seminar in Pharmaceutical Sciences  
 PHAR 712B - Seminar in Pharmaceutical Sciences  
 PHAR 712C - Seminar in Pharmaceutical Sciences  
 PHAR 712D - Seminar in Pharmaceutical Sciences

**Notes**

Up to three graduate-level courses taken as electives for the Pharm.D., 0-9 hours<sup>1</sup>

Two to five graduate-level courses not taken for the Pharm.D. degree, 7-15 hours

**Doctoral Directed Research (up to 29 Hours)**

PHAR 896 - Doctoral Directed Research <sup>2</sup>

### **Dissertation Preparation (12 Hours)**

PHAR 899 - Dissertation Preparation

#### **Notes:**

<sup>1</sup>*Electives must be approved by the Ph.D. advisory committee as appropriate for one of the following specialty areas.*

<sup>2</sup>*Other didactic electives may be applied toward the total hours of credit if approved by the Ph.D. advisory committee.*

### **In the Department of Clinical Pharmacy and Outcomes Sciences:**

#### **Ph.D.–Pharmacy Administration option (55 Hours)**

All students must complete 64 to 67 credit hours for the degree. The course requirement includes 55 hours of core courses and 9 to 12 hours of minor cognate courses.<sup>1</sup>

#### **Pharmacy Core:**

PHAR 711A - Seminar in Pharmaceutical and Health Outcomes Sciences

PHAR 711B - Seminar in Pharmaceutical and Health Outcomes Sciences

PHAR 711C - Seminar in Pharmaceutical and Health Outcomes Sciences

PHAR 711D - Seminar in Pharmaceutical and Health Outcomes Sciences

PHAR 740 - Socio-Economics of Pharmacy Practice

PHAR 741 - Pharmaceutical Outcomes Database Development

PHAR 742 - Research Methods in Pharmaceutical and Health Outcomes Sciences

PHAR 748 - Principles of Pharmacoeconomics

#### **Dissertation Preparation (12 Hours)**

PHAR 899 - Dissertation Preparation

#### **Business Core:**

ECON 728 - Applied Microeconomics

MKTG 701 - Marketing Management

ACCT 728 - Financial Accounting

ACCT 729 - Managerial Accounting

#### **Analytic Core:**

STAT 515 - Statistical Methods I

STAT 516 - Statistical Methods II

STAT 518 - Nonparametric Statistical Methods  
 MKTG 850 - Research Methods and Philosophies in  
 Marketing  
 MKTG 853 - Analytic Techniques for Marketing Decision  
 Making

**Notes:**

<sup>1</sup>Students must also take 12 hours\* of minor cognate courses in one of the following areas: marketing, public policy, economics, or epidemiology. Examples of courses that will satisfy the minor cognate requirement include:

Marketing: MKTG 702, 704, etc.

Public Policy: POLI 706, 757, etc.

Economics: ECON 594, 740, etc.

Epidemiology: 701, 741, etc.

\*3 credit hours from the common core required courses may be applied if the course is in the student's chosen area of concentration.

<sup>2</sup>HADM 846 is an acceptable substitute.

**Total 64-67 hrs.**

To: Pharmaceutical Sciences PhD (60 - 67)

**Degree Requirements (60-67 Post Baccalaureate Hours)**

The Ph.D. is offered in the following areas of specialization:  
 In the Department of Drug Discovery and Biomedical  
 Sciences: Pharmaceutical Sciences

In the Department of Clinical Pharmacy and Outcomes  
 Sciences: Pharmaceutical and Health Outcomes

The PhD requires a minimum of 60 hours beyond the baccalaureate degree, or a minimum of 30 hours beyond the master's degree as approved by advisement, including at least 12 credit hours of dissertation preparation. The PhD degree requirements include an admission-to-candidacy examination, a comprehensive examination, and a dissertation.

**In the Department of Drug Discovery and Biomedical Sciences:**

1. A research advisor must be chosen by the end of the first year.
2. Admission to candidacy must occur by the end of the second year, and includes the following:
  - a) Submission of a doctoral program of study form, which is approved by the doctoral thesis committee. Satisfactory completion of all coursework taken in the first two years will be evaluated by the committee.

b) Submission of a written initial research proposal, followed by an oral presentation and defense of the proposal to the thesis committee.

3. The comprehensive written and oral examination must be completed by the end of the third year.

4. A written dissertation, along with an oral presentation and defense, is required for the completion of the Ph.D. degree.

**In addition to the general requirements listed above, candidates for the Ph.D. degree are required to complete four departmental seminar courses:**

### **PhD Pharmaceutical Sciences (60 Hours)**

#### Required Courses

PHAR 700 - Principles of Pharmacology, Medicinal chemistry, and Pharmaceutics-4 hours

PHAR 701 - Current Topics in Pharmaceutical Sciences - 4 hours

PHAR 712B - Seminar in Pharmaceutical Sciences - 1 hour

PHAR 712C - Seminar in Pharmaceutical Sciences - 1 hour

PHAR 712D - Seminar in Pharmaceutical Sciences - 1 hour

ELECTIVE - 12 hours of electives

### **Doctoral Directed Research (24 Hours)**

PHAR 896 - Doctoral Directed Research

### **Dissertation Preparation (12 Hours)**

PHAR 899 - Dissertation Preparation

A maximum of 4 hours credit can be earned for PHAR 712.

Electives will be chosen based on the needs of the graduate student. Areas of emphasis include Biomedical Chemistry. Synthetic Medicinal Chemistry. Pharmaceutics, and Pharmacology. Electives will be chosen based on the area of emphasis and must be approved by the PhD advisory committee and the Graduate Program Director. Electives must be 700 level and above, or any course approved by the Graduate School for Graduate Credit.

Other didactic electives may be applied toward the total hours of credit required if approved by the PhD advisory committee.

### **Courses for the PharmD and PhD (60 Hours)**

In addition to the general requirements listed above, students pursuing the PharmD and PhD concurrently will take elective courses that are approved for graduate credit and fulfill

requirements for the PhD program. Electives in the PharmD curriculum; up to nine credit hours can count toward both degrees, with the following stipulations. The student must have completed at least 90 hours of undergraduate course work, have a minimum GPA of 3.40, and have a form GS-59 on file in The Graduate School. A grade of B or higher must be earned for the course to count for graduate credit. Graduate courses taught in units other than pharmacy must be approved by the graduate faculty of pharmacy as appropriate for a PhD degree in pharmaceutical sciences. Registration for each course requires approval of the student's advisor, the chair of the student's department, the graduate director of the PhD program, and the dean of The Graduate School. Form GS-59A must be processed for each graduate credit course at the time of registration to permit the registrar's office to properly enroll the student for graduate credit.

### **Required Courses**

PHAR 712A - Seminar in Pharmaceutical Sciences  
 PHAR 712B - Seminar in Pharmaceutical Sciences  
 PHAR 712C - Seminar in Pharmaceutical Sciences  
 PHAR 712D - Seminar in Pharmaceutical Sciences

### **Notes**

Up to three graduate-level courses taken as electives for the PharmD, 0-9 hours  
 Two to five graduate-level courses not taken for the PharmD degree, 7-15 hours

### **Doctoral Directed Research (up to 29 Hours)**

PHAR 896 - Doctoral Directed Research

### **Dissertation Preparation (12 Hours)**

PHAR 899 - Dissertation Preparation

### **Notes:**

Electives must be approved by the PhD advisory committee as appropriate for one of the following specialty areas.

Other didactic electives may be applied toward the total hours of credit if approved by the PhD advisory committee.

### **In the Department of Clinical Pharmacy and Outcomes Sciences:**

PhD-Pharmaceutical and Health Outcomes Sciences (55 Hours)

All students must complete 64 to 67 credit hours for the degree. The course requirement includes 55 hours of core courses and 9 to 12 hours of minor cognate courses.

**Pharmacy Core:**

PHAR 711A - Seminar in Pharmaceutical and Health Outcomes Sciences

PHAR 711B - Seminar in Pharmaceutical and Health Outcomes Sciences

PHAR 711C - Seminar in Pharmaceutical and Health Outcomes Sciences

PHAR 711D - Seminar in Pharmaceutical and Health Outcomes Sciences

PHAR 740 - Socio-Economics of Pharmacy Practice

PHAR 741 - Pharmaceutical Outcomes Database Development

PHAR 742 - Research Methods in Pharmaceutical and Health Outcomes Sciences

PHAR 748 - Principles of Pharmacoeconomics

**Dissertation Preparation (12 Hours)**

PHAR 899 - Dissertation Preparation

**Business Core:**

ECON 728 - Applied Microeconomics

MKTG 701 - Marketing Management

ACCT 728 - Financial Accounting

ACCT 729 - Managerial Accounting

**Analytic Core:**

STAT 515 - Statistical Methods I

STAT 516 - Statistical Methods II

ACCT 728 - Financial Accounting

ACCT 729 - Managerial Accounting

**Notes:**

Students must also take 12 hours of minor cognate courses in one of the following areas: marketing, public policy, economics, or epidemiology. Examples of courses that will satisfy the minor cognate requirement include:

Marketing: MKTG 702, 704, etc.

Public Policy: POLI 706, 757, etc.

Economics: ECON 594, 740, etc.

Epidemiology: 701, 741, etc.

\*3 credit hours from the common core required courses may be applied if the course is the chosen area of concentration.

HADM 846 is an acceptable substitute.



Total 64-67 hrs.

[Effective Term: Spring 2013]

**Course Change Proposal:**

**APPROVED**

From: [PHAR 735 Cancer: Causes, Treatment and Prevention](#) (2)  
Traditional Delivery

To: PHAR 735 Cancer: Causes, Treatment and Prevention (2)

Add Delivery Method to Traditional and Distance Education.

[Cross-listed Course: PHAR 717]

[Effective Term: Spring 2013]

**11. Report of the Humanities, Social Sciences, Education, and Related Professional Programs Committee (J. Daniel Jenkins)**

**COLLEGE OF ARTS AND SCIENCES**

***Social Work***

**Academic Program Actions/Bulletin Change: APPROVED**

From: [Masters of Social Work](#) (60)

Delete 38-month part-time extended plan of study:

**Part-Time Extended Curriculum (38 Months)**

Students who pursue the entire M.S.W. program (60 hours) on a part-time basis will take courses according to the following schedule. Students have a choice of taking required courses on Saturdays or weekdays.

First Year

Summer I:

SOW K 712 - Human Behavior and the Social Environment I \*  
Summer II:

SOW K 791 - Social Work Research Methodologies \*  
Fall:

SOW K 741 - Social Welfare Problems and Policies \*  
Elective  
Spring:

SOW K 742 - Social Welfare Policy Analysis \*\*

Elective  
Note

\*Course offered through Distance Education  
\*\*Saturdays

Second Year

Summer I:

SOW K 716 - Human Behavior and the Social Environment II \*

Summer II:

SOW K 732 - Social Work Practice with Organizations and Communities

Fall:

SOW K 722 - Social Work Practice with Individuals and Families

SOW K 781 - Field Instruction I: Generalist Social Work Practice (field placement two days a week)

Spring:

SOW K 710 - Foundations of Social Work Practice in Groups

SOW K 782 - Field Instruction II: Generalist Social Work Practice (field placement two days a week)

Note

\* Course offered through Distance Education  
Third Year

Advanced Social Work Practice with Individuals, Families & Groups Concentration

Summer I:

SOW K 726 - Supervision and Case Consultation

Summer II:

SOW K 792 - Evaluation of Social Work Practice

Or

Advanced Social Work Practice with Organizations & Communities Concentration

Summer I:

SOW K 733 - Advanced Social Work Practice with Organizations and Communities: Administrative Skills

Summer II:

SOW K 793 - Evaluation of Social Work Programs

Advanced Social Work Practice with Individuals, Families & Groups Concentration

Fall:

SOW K 723 - Advanced Social Work Practice with Individuals

SOW K 724 - Advanced Social Work Practice with Groups

SOW K 783 - Field Instruction III: Social Work Practice with Individuals, Families, and Groups (field placement 12 hours a week)

Or

Advanced Social Work Practice with Organizations & Communities Concentration

Fall:

SOW K 734 - Advanced Social Work Practice with Organizations and Communities: Community Social Work

SOW K 735 - Advanced Social Work Practice with Organizations and Communities: Social Planning.

SOW K 785 - Field Instruction III: Social Work Practice with Organizations and Communities (field placement 12 hours a week)

Advanced Social Work Practice with Individuals, Families & Groups Concentration

Spring:

SOW K 718 - Systems Analysis of Social Work Practice

SOW K 725 - Advanced Social Work Practice with Families

SOW K 784 - Field Instruction IV: Social Work Practice with Individuals, Families, and Groups (field placement 12 hours a week, completed in the summer 8 hours a week)

Or

Advanced Social Work Practice with Organizations & Communities Concentration

Spring:

SOWK 718 - Systems Analysis of Social Work Practice

SOWK 736 - Advanced Practice with Organizations and Communities: Resource Development, Management, and Accountability

SOWK 786 - Field Instruction IV: Social Work Practice with Organizations and Communities (field placement 12 hours a week, completed in the summer 8 hours a week)

To: Masters of Social Work (60)  
No Replacement Language.

[Effective Term: Spring 2013]

[Effective Termination Admitting Students: Spring 2013]

[Effective Termination Conferring Students: Summer II 2015]

### ***Psychology***

**Course Change Proposal:**

**APPROVED**

From: [PSYC 784 Clinical Health Psychology Practicum](#) (3)  
Credit Hours: 3

To: PSYC 784 Clinical Health Psychology Practicum (1, 2, or 3)  
Credit Hours: 1, 2, or 3

[Effective Term: Fall 2013]

**New Course Proposal:**

**APPROVED**

[PSYC 749 Social Inequality and Psychology](#) (3) Fundamental, conceptual and empirical knowledge regarding dimensions of diversity, social inequality and the application of this knowledge to psychological research, teaching and practice.

[Restrictions: Psychology Students]

[Excluded: Non-Psychology students need instructor permission to register]

[Special Permissions: Instructor]

[Effective Term: Spring 2013]

**Academic Actions Proposal:**

**APPROVED**

From: [Clinical-Community Psychology Master of Arts](#) (40)

## Degree Requirements (40 Hours)

Required courses for the Masters Degree include:

## Research Methods and Statistics (9 Hours)

PSYC 709 - Basic Quantitative Methods in the Analysis of Behavioral Data I

PSYC 710 - Basic Quantitative Methods in the Analysis of Behavioral Data II

PSYC 772 - Research Approaches to Human Behavior

## Core General Psychology Courses (12 Hours)

The first two courses are required:

PSYC 726 - Lifespan Psychopathology and Resilience

PSYC 727 - Foundations of Community Psychology

## Additional Courses

Students must take 6 credit hours of any of the following for the MA degree

PSYC 702A - Basics of Neuroscience

PSYC 702B - Basics of Cognitive Psychology

PSYC 702C - Basics of Developmental Psychology

PSYC 702D - Basics of Learning and Motivation

PSYC 703A - Integration across Cognitive Psychology and Neuroscience

PSYC 703B - Integration across Developmental Psychology, Cognitive Psychology, and Neuroscience.

PSYC 703C - Integration across Developmental and Cognitive Psychology

PSYC 703D - Integration across Areas of Psychology

PSYC 751 - Race, Class, Gender, and Sexuality

PSYC 770 - Survey of Social Psychology

## Foundations of Clinical Psychology (6 Hours)

PSYC 761 - Psychological Assessment I

PSYC 762 - Psychological Assessment II

## Research Leading to Thesis (8 Hours)

PSYC 773 - Research in Clinical-Community Psychology

PSYC 799 - Thesis Preparation

## Electives (5 Hours)

5 hours (other Psyc courses 700 and higher or non-Psyc courses 500 and higher)

To: Clinical-Community Psychology Masters of Arts (40)

## Degree Requirements (40 Hours)

Required courses for the Masters Degree include:

## Research Methods and Statistics (9 Hours)

PSYC 709 - Basic Quantitative Methods in the Analysis of Behavioral Data I

PSYC 710 - Basic Quantitative Methods in the Analysis of Behavioral Data II

PSYC 772 - Research Approaches to Human Behavior

## Core General Psychology Courses (12 Hours)

The first **three** courses are required:

PSYC 726 - Lifespan Psychopathology and Resilience

PSYC 727 - Foundations of Community Psychology

[PSYC 749 - Social Inequality and Psychology](#)

## Additional Courses

Students must take **3** credit hours of any of the following for the MA degree

PSYC 702A - Basics of Neuroscience

PSYC 702B - Basics of Cognitive Psychology

PSYC 702C - Basics of Developmental Psychology

PSYC 702D - Basics of Learning and Motivation

PSYC 703A - Integration across Cognitive Psychology and Neuroscience

PSYC 703B - Integration across Developmental Psychology, Cognitive Psychology, and Neuroscience.

PSYC 703C - Integration across Developmental and Cognitive Psychology

PSYC 703D - Integration across Areas of Psychology

PSYC 751 - Race, Class, Gender, and Sexuality

PSYC 770 - Survey of Social Psychology

## Foundations of Clinical Psychology (6 Hours)

PSYC 761 - Psychological Assessment I

PSYC 762 - Psychological Assessment II

## Research Leading to Thesis (8 Hours)

PSYC 773 - Research in Clinical-Community Psychology

PSYC 799 - Thesis Preparation

## Electives (5 Hours)

5 hours (other Psyc courses 700 and higher or non-Psyc courses 500 and higher)

**Course Change Proposal:****APPROVED**From: [Clinical-Community Psychology, PhD](#) (88)

## Degree Requirements (88 Hours)

A minimum of 76 credit hours of course and practica work and 12 hours of dissertation work (PSYC 899) are required beyond the baccalaureate degree. Course work includes 19 hours of core psychology courses plus 8 hours of research courses, 20 hours of specialty content courses, 20 hours of specialty practica within the program area, and 9 hours of electives.

The Ph.D. degree in clinical-community psychology also requires successful completion of qualifying requirements, a general comprehensive examination (comprehensive paper), a specialty comprehensive examination (either in clinical or community), an oral comprehensive examination, and a predoctoral research apprenticeship.

Also required are an approved Ph.D. dissertation, and a one-year, predoctoral, full-time internship. Most students obtain an APA-approved (or approval-seeking) internship. Students have the option of declaring a concentration in Quantitative Methods in Psychology. Concentration requirements are: a. Must be accepted to a University of South Carolina Psychology Department Doctoral Program (Clinical-Community, School, or Experimental) b. Make a B or better in four courses (12 hours) that have 710 as a pre-requisite (i.e., advanced quantitative courses.) 709/710 do not count, nor do assessment or methods classes. Courses must be at the 700 level or higher. c. Two of the four courses (6 hours) are required to be taught in the department d. The third and fourth courses can optionally be taught in another department contingent upon approval from the Concentration Program Director.

The sequence of events and more details concerning specific aspects (including the required concurrent master's degree) are in the current Clinical-Community Psychology Doctoral Program Graduate Student Handbook, provided to all incoming students.

To: Clinical-Community Psychology PhD (91)

## Degree Requirements (91 Hours)

A minimum of **79** credit hours of course and practica work and 12 hours of dissertation work (PSYC 899) are required beyond the baccalaureate degree. Course work is distributed across five categories with a minimum number of credits in each category.

### Core Psychology Courses (21 hours)

Quantitative methods and research design: 6 hours  
 Psychometrics and psychological testing: 3 hours  
 Biological bases of behavior: 2 hours  
 Learning or cognitive bases of behavior: 2 hours  
 Social bases of behavior: 3 hours  
 Developmental bases of behavior: 2 hours  
 PSYC 749: 12 hours

### Research courses (25 hours)

Research methods course: 3 hours  
 Individual research apprenticeship first year: 2 hours  
 Thesis preparation second year: 6 hours  
 Advanced individual apprenticeship third year: 2 hours  
 PSYC 899: 12 hours

### Specialty content courses (16 hours)

Psychological interventions: 3 hours  
 Lifespan psychopathology and resilience: 3 hours  
 Foundations of community psychology: 3 hours  
 Seminar in community psychology: 3 hours  
 Ethics and issues in clinical-community psychology: 4 hours

### Specialty practicum courses (14 hours)

Psychological assessment: 4 hours  
 Intervention practica: 10 hours

### Electives (15 hours)

Psychology courses numbered 700+ (500+ for other departments)

The Ph.D. degree in clinical-community psychology also requires successful completion of qualifying requirements, a general comprehensive examination (comprehensive paper), a specialty comprehensive examination (either in clinical or community), an oral comprehensive examination, and a predoctoral research apprenticeship.

Also required are an approved Ph.D. dissertation, and a one-year, predoctoral, full-time internship. Most students obtain an APA-approved (or approval-seeking) internship. Students have the option of declaring a concentration in Quantitative Methods in Psychology. Concentration requirements are: a. Must be accepted to a University of South Carolina Psychology Department Doctoral Program (Clinical-Community, School, or Experimental) b. Make a B or better in four courses (12 hours) that have 710 as a pre-requisite (i.e., advanced quantitative courses.) 709/710 do not count, nor do assessment or methods classes. Courses must be at the 700



level or higher. c. Two of the four courses (6 hours) are required to be taught in the department d. The third and fourth courses can optionally be taught in another department contingent upon approval from the Concentration Program Director.

The sequence of events and more details concerning specific aspects (including the required concurrent master's degree) are in the current Clinical-Community Psychology Doctoral Program Graduate Student Handbook, provided to all incoming students.

[Effective Term: Spring 2013]

### ***School of Library and Information Science***

#### **New Course Proposal:**

**APPROVED**

#### [SLIS 717 Special Collections Librarianship](#) (3)

Introduction to the missions, professional standards and best practices of special collections librarianships. Topics include access and acquisitions, collection assessment and development, collection management and maintenance, donor relations, public programming and current issues and trends.

[Enrollment Restriction: SLIS graduate students or permission of instructor]

[Effective Term: Spring 2013]

#### **Course Change Proposal:**

**APPROVED**

From: [SLIS 761 Information Technologies in the School Library Media Program](#) (3)

Change Course Title

[Prerequisites/Corequisites: SLIS 706]

To: SLIS 761 Information Technologies in the School Library Program (3)

[Prerequisites/Corequisites: SLIS 706]

[Effective Term: Fall 2013]

#### **Course Change Proposal:**

**APPROVED**

From: [SLIS 720 School Library Media Program Development](#) (3)

Change Course Title

[Prerequisites/Corequisites: Special Permission Required]

To: SLIS 720 School Library Program Development (3)

[Prerequisites/Corequisites: Special Permission Required]

[Effective Term: Fall 2013]

**Course Change Proposal: APPROVED**

From: [SLIS 742 Curricular Role of the School Library Media Specialist](#) (3)  
Change Course Title

[Prerequisites/Corequisites: SLIS 701, SLIS 706, educ courses required for initial certification]

To: SLIS 742 Curricular Role of the School Librarian (3)

[Prerequisites/Corequisites: SLIS 701, SLIS 706, EDUC courses required for initial certification]

[Effective Term: Fall 2013]

***School of Music***

**Academic Program Actions: APPROVED**

From: All Master in Music Individual Programs listed below:

[Master of Music, Piano Pedagogy](#) (32)  
Termination of Major

[Master of Music, Opera Theatre](#) (32)  
Termination of Major

[Master in Music, Music History](#) (32)  
Termination of Major

[Master of Music, Music Composition](#) (32)  
Termination of Major

[Master of Music, Jazz Studies](#) (32)  
Termination of Major

[Master in Music, Conducting](#) (32)  
Termination of Major

To: [Master of Music](#) (32)  
Degree Requirements (32 hours)

Master of Music with concentrations in composition, conducting, jazz studies, music history, opera theatre, and piano pedagogy.

Courses required for all Master of Music students:

¥ MUSC 707 - Music Bibliography and Research (2 hours)

¥ Advisor-approved course in Music History (3 hours)

¥ Advisor-approved course in Music Theory (3 hours)

### **Composition concentration requirements:**

Major Area (11-12 hours)

¥ MUSC 716 - Composition (8-9 hours)

¥ MUSC 799 - Thesis Preparation (3 hours)

Other Studies in Music (12-13 hours)

- Advisor-approved course in Music Technology (3 hours)
- Advisor-approved music courses (9-10 hours)

### **Conducting concentration requirements:**

Major Area (16 hours)

• MUSC 711 - Graduate Applied Music (6-9 hours)

¥ MUSC 796 - Solo Recital (1 hour)

6-9 hours selected from:

¥ Literature

¥ Pedagogy

¥ Score-reading

Other Studies in Music (8 hours)

¥ Advisor-approved Music History courses (3 hours)

¥ Advisor-approved Music Theory courses (3 hours)

¥ MUSC 734 - Ensemble (2 hours)

### **Jazz Studies concentration requirements:**

Major Area (20 hours)

Courses selected from: (9 hours)

¥ MUSC 524 - Jazz MIDI Lab

¥ MUSC 713 - Advanced Jazz Theory

¥ MUSC 714 - Advanced Jazz Arranging

¥ MUSC 786 - Advanced Jazz Improvisation

Choose one of the following tracks: (11 hours)

#### **Composition Track**

¥ Jazz Composition (8 hours)

¥ Non-jazz Composition (2 hours)

¥ MUSC 790 - Composition Recital (1 hour)

#### **Performance Track**

- ¥ MUSC 711 - Graduate Applied Music (8 hours)
- ¥ MUSC 796 - Solo Recital (1 hour)
- ¥ MUSC 735 - Chamber Music (2 hours)

Other Studies in Music (4 hours)

- ¥ MUSC 734 - Ensemble (2 hours)
- ¥ Advisor-approved music courses (2 hours)

### **Music History concentration requirements:**

Major Area (12 hours)

Music History courses (9 hours) Thesis (3 hours)

- ¥ MUSC 799 - Thesis Preparation

Other Studies in Music (12 hours)

- ¥ MUSC 747 - Advanced Music Research (2 hours)
- Advisor-approved course in Music Theory (3 hours)
- ¥ Advisor-approved music courses (4 hours)
- ¥ Advisor-approved non-music elective (3 hours)

### **Opera Theatre concentration requirements:**

Major Area (12-15 hours)

Select one of the following tracks:  
Performance Track

- ¥ MUSC 711 - Graduate Applied Music (6 hours)
- ¥ MUSC 780 - Opera Theater (2 hours)
- ¥ MUSC 545 - Survey of the Opera (3 hours)
- ¥ MUSC 781 - Role Preparation (2 hours)
- ¥ MUSC 778 - Advanced Diction (2 hours)

Directing Track

- ¥ MUSC 511 or MUSC 711 (3 hours)
- ¥ MUSC 780 - Opera Theater (2 hours)
- ¥ MUSC 545 - Survey of the Opera (3 hours)
- ¥ MUSC 782 - Opera Production (4 hours)

Other Studies in Music (9-12 hours)

- ¥ MUSC 581 - The Alexander Technique
- ¥ Advisor-approved courses from Theatre
- ¥ Advisor-approved courses from Dance

### **Piano Pedagogy concentration requirements:**

Major Area (19-21 hours)

¥ Piano Pedagogy (9 hours)  
 ¥ Piano Literature or pedagogy (3 hours)

Recital Track  
 ¥ MUSC 711 - Graduate Applied Music (6 hours)  
 ¥ MUSC 796 - Solo Recital (1 hours)

Thesis Track  
 ¥ MUSC 711 - Graduate Applied Music (4 hours)  
 ¥ MUSC 799 - Thesis Preparation (3 hours)  
 ¥ MUSC 747 - Advanced Music Research (2 hours)

Other Studies in Music (3-5 hours)  
 ¥ Advisor-approved music courses

[Program Terminations/Admitting: May Session 2013]

[Program Terminations/Conferring: Fall 2015]

[Effective Term: Fall 2013]

### ***English***

**Academic Program Actions/Bulletin Change: APPROVED**

From: [English Creative Writing MFA](#) (45)  
 Change name of area of emphasis from:  
 "Writing for the Media"

Degree Requirements (45 Hours)

The student must choose one of three options within the program: poetry, fiction, or writing for the media. In addition to all the basic requirements for admission to the graduate English program, applicants must submit a writing sample in the genre that they wish to pursue (25 pages of fiction or writing for the media; at least 12 poems).

Requirements include:

15 hours of workshop courses  
 6 hours in theory (three of these hours may be in the theory and teaching of composition, exclusive of [ENGL 701A](#) and [ENGL 701B](#))

9 hours in literature

9 hours of approved electives

Thesis, [ENGL 799](#) (6 hours)

A three-hour written comprehensive examination in the history and practice of the student's genre

A thesis, which will be a book-length work (a novel, a collection of short stories, a group of poems, or a piece of writing for the visual media) of a quality that compares favorably with work being published by university presses and commercial publishers

An oral examination on the thesis

A reading knowledge of one foreign language

To: English Creative Writing MFA (45)  
Change name of area of emphasis to:  
"Creative Non-Fiction"

Degree Requirements (45 Hours)

The student must choose one of three options within the program: poetry, fiction, or creative nonfiction. In addition to all the basic requirements for admission to the graduate English program, applicants must submit a writing sample in the genre that they wish to pursue (25 pages of fiction or creative nonfiction; at least 12 poems).

Requirements include:

15 hours of workshop courses

6 hours in theory (three of these hours may be in the theory and teaching of composition, exclusive of [ENGL 701A](#) and [ENGL 701B](#))

9 hours in literature

9 hours of approved electives

Thesis, [ENGL 799](#) (6 hours)

A three-hour written comprehensive examination in the history and practice of the student's genre

A thesis, which will be a book-length work (a novel, a collection of short stories, a group of poems, or a work of creative nonfiction) of a quality that compares favorably with work being published by university presses and commercial publishers

An oral examination on the thesis

A reading knowledge of one foreign language

[Effective Term: Spring 2013]

**Languages, Literatures and Cultures****New Course Proposal:****APPROVED****[GERM 711 Old Germanic Languages](#) (3)**

Reading and translation of texts in one of the Old Germanic languages: Old High German (H), Old Saxon (S), Old Norse (N), or Gothic (G). May be repeated for credit with a different letter suffix from options noted above. Reading knowledge of Modern German required.

[Effective Term: Spring 2013]

**COLLEGE OF EDUCATION*****Instruction and Teacher Education*****Course Change Proposal:****APPROVED**

From: [EDTE J 779 Multicultural Issues of Education](#) (3)  
Change Course Title

To: EDTE J 779 Equity Pedagogies in Teacher Education (3)

[Effective Term: Fall 2012]

**12. Report of the Petitions and Appeals Committee (Erik Drasgow)**

No report

**13. Other Committee Reports**

No report

**14. Old Business**

No report

**15. New Business**

Dr. Gatzke requested that we address three proposals received by The Graduate School after the November 1st, 2012 deadline in lieu of meeting in December. This proposal was declined to provide the committee charged with considering the proposals time to review these submissions.

**16. Good of the Order**

**17. Adjournment**

The meeting adjourned at 3:25 p.m.

**Murray Mitchell, Secretary**

cc:

President Harris Pastides

Vice Provost & Dean of Graduate Studies Lacy Ford

Provost Michael Amiridis

Deans

Department Chairs

Graduate Directors

Aaron Marterer, University Registrar

Jodie Morris, Office of the Registrar

Andrew Graves, Office of the Registrar

Nancy Floyd, Office of Institutional Assessment and Compliance