

**2017-
2018**

**University of South Carolina
College of Pharmacy**

Academic Bulletin & Student Handbook

**University of South Carolina College of Pharmacy
2017-2018 Academic Bulletin & Student Handbook**

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I. Administration & Faculty

1.1 Administration

Stephen J. Cutler, Ph.D., Dean
Wayne E. Buff, Pharm.D., Senior Associate Dean
John Pearson, Pharm.D., GHS Clinical Associate Dean*
Amy D. Grant, Pharm.D., M.B.A., Associate Dean for Student Affairs and Diversity
Kim E. Creek, Ph.D., Chair, Department of Drug Discovery and Biomedical Sciences, Associate Dean for Research
Brianna L. Dunn, Pharm.D., Associate Dean for Outcomes Assessment and Accreditation
S. Scott Sutton, Pharm.D., Chair, Department of Clinical Pharmacy and Outcomes Sciences
Jennifer L. Baker, Pharm.D., Director of Experiential Programs
Lorne J. Hofseth, Ph.D., Director of Graduate Studies
C. Eugene "Gene" Reeder, Ph.D., Director of Outcomes Research, KPIC
Sarah Tennant, Pharm.D., Hospital Pharmacy Education Coordinator*
Keith Warren, Assistant Dean for Finance

1.2 Professors

Charles L. Bennett, M.D., Ph.D., Graduate School, 1989; University of Pennsylvania, 1981
Kim E. Creek, Ph.D., Purdue University, 1980
Stephen J. Cutler, Ph.D., University of Georgia, 1989
Lorne J. Hofseth, Ph.D., Simon Fraser University, 1996
Campbell McInnes, Ph.D., University of Edinburgh, 1991
Igor Roninson, Ph.D., Massachusetts Institute of Technology, 1982

1.3 Clinical Professors

S. Scott Sutton, Pharm.D., University of South Carolina, 1998

1.4 Associate Professors

John Bian, Ph.D., University of North Carolina, 2003
P. Brandon Bookstaver, Pharm.D., University of South Carolina, 2004
Phillip J. Buckhaults, Ph.D., University of Georgia, 1996
James M. Chapman, Ph.D., University of North Carolina, 1981
Hippocratis Kiaris, Ph.D., University of Crete, 1997
Kevin Lu, Ph.D., University of Maryland, 2011
Douglas Pittman, Ph.D., University of Iowa, 1996
Michael D. Wyatt, Ph.D., University College London, 1996
Peisheng Xu, Ph.D., University of Wyoming, 2007
Jun Zhu, M.D., Ph.D., Fukui Medical University, 1998

1.5 Clinical Associate Professors

Betsy W. Blake, Pharm.D., Medical University of South Carolina, 2000
Wayne E. Buff, Pharm.D., University of South Carolina, 1997
Celeste R. Caulder, Pharm.D., University of North Carolina, 2004
Christina L. Cox, Pharm.D., University of South Carolina, 2006
Brianna L. Dunn, Pharm.D., Medical University of South Carolina, 2008

Patricia H. Fabel, Pharm.D., University of Rhode Island, 2006
Bryan L. Love, Pharm.D., University of South Carolina, 1997
Whitney Maxwell, Pharm.D., Medical University of South Carolina, 2008
C. LeAnn B. Norris, Pharm.D., University of South Carolina, 2004

1.6 Assistant Professors

Eugenia Broude, Ph.D., Institute of Plant Physiology & Genetics, 1990
Mythreye Karthikeyan, Ph.D., University of North Carolina, Chapel Hill, 2005
Sajish Mathew, Ph.D., Indian Institute of Technology Kanpur, 2009
Michael Shtutman, Ph.D., Russian Cancer Research Center, 1996
Jill R. Turner, Ph.D., Georgetown University, 2007

1.7 Clinical Assistant Professors

Michaela Almgren, Pharm.D., South Carolina College of Pharmacy, 2010
Jennifer L. Baker, Pharm.D., University of South Carolina, 2002
Jing Fang, M.D., Ph.D., Shanghai Second Medical University, 2004
Amy D. Grant, Pharm.D., M.B.A., Medical University of South Carolina, 2004; USC, 2013
Julie Ann Justo, Pharm.D., University of Florida, 2009
Karen H. McGee, Pharm.D., University of South Carolina, 1989
Jill E. Michels, Pharm.D., University of South Carolina, 1996
Cynthia M. Phillips, Pharm.D., University of Tennessee, 1991

1.8 Instructors

Kathy Quarles-Moore, B.S. Pharm., University of South Carolina, 1986
William J. Taylor, B.S. Pharm., University of South Carolina, 1995

1.9 Part-Time & Adjunct Faculty

Dave Amsden, Pharm.D., University of Nebraska, 1981, Palmetto Health Richland
Fredrick H. Bender, Pharm.D., Duquesne University, 1972
Rodel Bobadilla, MSN, BSN, University of South Carolina, 1998
Nicole K. Bookstaver, Pharm.D., University of South Carolina, 2009
Frank Brunson, B.S. Pharm., Medical University of South Carolina, 1976
Alyson Ghizzoni Burns, Pharm.D., University of Findlay, 2012*
Chris Campen, University of Illinois at Chicago, 2007
Vivian Carlson, Pharm.D., University of South Carolina, 2007*
Kimberly Clark, Pharm.D., University of North Carolina, 2005*
Lucy Crosby, Pharm.D., University of Georgia, 2004*
Jennifer Endres, Pharm.D., The Ohio State University, 2008*
Jenna L. Foster, Pharm.D., South Carolina College of Pharmacy, 2012
Robert Freeman, Ph.D., University of Mississippi, 1973
Douglas L. Furmanek, Pharm.D., University of North Carolina, 2002*
Lyndsay Ray Gormley, Pharm.D., Presbyterian College, 2014*
Chris Groke, B.S. Pharm., Pharm.D., Medical University of South Carolina, 1993
Amanda Guffey, Pharm.D., South Carolina College of Pharmacy, 2011
Nancy Walker Hahn, Pharm.D., Medical University of South Carolina, 1987
John Howard, Pharm.D., University of South Carolina, 2002*
Heather Hughes, Pharm.D., University of South Carolina, 2000*

Jasmine Jennings, Pharm.D., Hampton University, 2009*
William P. Johnston, Ph.D., University of South Carolina, 1984
Bethany Lynch, Pharm.D., University of Georgia, 2004*
Ashley S. Murphy, Pharm.D., University of South Carolina, 2004
Kathryn Nash, Medical University of South Carolina, 2009
Daniel Noyes, Pharm.D., University of South Carolina, 2008
Jessica Odom, Pharm.D., University of South Carolina, 2007*
Stanley Papajohn, B.S. Pharm., University of South Carolina, 1961
John Pearson, Pharm.D., University of South Carolina, 1992*
Donald Porter, Ph.D., University of California, 1987
Paul Ray, D.O., College of Osteopathic Medicine and Surgery, 1976
John Restaino, J.D., M.P.H., Western State University College of Law, 1986, Johns Hopkins University
Bloomberg School of Hygiene & Public Health, 2008
Lindsay Snow Reulbach, Pharm.D., University of Georgia, 2012*
Emily Ridley, B.S. Pharm., Pharm.D., University of South Carolina, 1998
Sophie Roberts, Pharm.D., University of British Columbia, 1999
Sabrina Russ, Pharm.D., University of Florida, 2009
Catherine Saleeby, B.S. Pharm., University of South Carolina, 1977
Dana Stafkey-Mailey, Pharm.D., Ph.D., University of South Carolina, 2002
Lynda Sykes, Pharm.D., University of Florida, 2005*
Deborah J. Tapley, B.S. Pharm., M.B.A., University of Connecticut, 1978; USC, 1984, Palmetto Health
Richland
Sarah Tennant, Pharm.D., South Carolina College of Pharmacy, 2013*
J. Elliot Turner, Pharm.D., South Carolina College of Pharmacy, 2011
Kristen Turner, Pharm.D., University of Florida, 2005
Courtney Suzanne Watts, Pharm.D., Auburn University, 2013*
Kristin G. Welborn, Pharm.D., Medical University of South Carolina, 2009*
Thomas D. Wyatt III, B.S. Pharm., University of South Carolina, 1978

1.10 Deans Emeritus

Julian H. Fincher, Ph.D., University of Connecticut, 1964
Randall C. Rowen, Pharm.D., Northeastern University, 1983
Farid Sadik, Ph.D., University of Mississippi, 1968

1.11 Emeriti Faculty

Robert L. Beamer, Ph.D., Medical College of Virginia, 1959
Sondra H. Berger, Ph.D., Roswell Park, State University of New York at Buffalo, 1982
Michael Dickson, Ph.D., The Ohio State University, 1972
Joseph W. Kosh, Ph.D., University of Colorado, 1971
Brooks C. Metts, Pharm.D., University of Tennessee, 1970
C. Eugene "Gene" Reeder, Ph.D., University of South Carolina, 1983
Joseph Roberts, Ph.D., McGill University, 1964
Joseph W. Sowell, Ph.D., University of Georgia, 1972
John C. Voris, Pharm.D., University of Nebraska, 1979

**These individuals have USC Faculty appointments, but reside on the Greenville Hospital System campus of the College of Pharmacy.*

II. College of Pharmacy Purpose Statements

2.1 Vision

Our vision is to be the destination to empower pharmacy students, researchers, educators, and practitioners to transform healthcare, globally.

- Rigorous education of students and practitioners
- Professional placement of students
- Diversity of professionals
- Successes in research and scholarly output
- National and international recognition of faculty and students
- Partnerships with outside entities
- International collaborations and strategic alliances
- Number of international students
- Entrepreneurship
- Success, growth and engagement of our alumni

2.2 Mission

Our mission is to prepare the next generation of innovative and collaborative pharmacists and health scientists while pioneering clinical, entrepreneurial, and research endeavors to improve health outcomes for residents of South Carolina and beyond.

We will accomplish this by:

- Continually building a culture of compassion, inclusiveness and collegiality
- Providing comprehensive pharmacy education
- Conducting and disseminating state of the art research
- Establishing optimal student experiences
- Engaging in community outreach
- Expanding pharmacy practice, post-graduate training, and business opportunities
- Growing alumni and partner relationships
- Foster faculty and staff development

III. Degrees Offered

3.1 Bachelor of Science in Pharmaceutical Sciences

Beginning with the Class of 2019, students admitted to the University of South Carolina (USC) College of Pharmacy (COP) who completed pharmacy prerequisites but have not yet received a Bachelor's degree in any discipline prior to entering the professional Doctor of Pharmacy (Pharm.D.) program, may be eligible for the Bachelor's degree in Pharmaceutical Sciences. A total of 128 hours (66 hours of undergraduate and 62 hours of professional program courses) are required for completion of the Bachelor's degree in Pharmaceutical Sciences; a combination of undergraduate courses, Carolina Core course requirements, and first and second year professional COP Pharm.D. courses comprise this degree.

3.2 Doctor of Pharmacy

The Doctor of Pharmacy degree is offered. This is a full-time degree program requiring four professional level academic years, which includes introductory practice experiences and some advanced practice experiences that must be completed during the summer semesters. A total of 214 hours (66 hours of pre-pharmacy and 148 hours of professional program courses) are required for completion of the Doctor of Pharmacy degree.

The maximum length of time that will be allowed for a student to complete the four-year College of Pharmacy Doctor of Pharmacy professional degree program will be six consecutive academic years from the date of their original entry into the professional program. Any student who wishes to extend the time allowed for completion of the program beyond the six-year limitation will be required to submit a petition request to the College of Pharmacy Scholastic Standing and Petitions Committee; the petition will be reviewed and a decision for a time extension will be based on the individual student circumstances.

3.2.1 Important Information About Doctor of Pharmacy Degree Program and Licensure

Each state has its own pharmacy licensing board with its own state specific licensing requirements. Consequently, although the University of South Carolina College of Pharmacy Doctor of Pharmacy professional degree program is fully accredited by the Accreditation Council for Pharmacy Education (ACPE), making its graduates eligible to sit for the NAPLEX and MPJE exams and for licensure in the state of South Carolina, we cannot confirm that the program meets all the requirements for professional licensure in another state. For students not living in South Carolina, the following link provides National Association of Boards of Pharmacy (NABP) information regarding individual state boards of pharmacy and licensure specific to individual states throughout the U.S. where a non-resident student lives: <https://nabp.pharmacy/boards-of-pharmacy/>. Additional information may be found at the Academic Programs Professional Licensure website: www.sc.edu/about/offices_and_divisions/provost/planning/academicprograms/state.

3.3 Dual and Concurrent Degree Programs

The College of Pharmacy offers a variety of dual and concurrent degree programs with the Doctor of Pharmacy degree. Options include:

- PharmD/Masters in Business Administration (MBA)
- PharmD/Masters in Public Health (MPH)
- PharmD/Masters in Health Information Technology (MHIT)
- PharmD/PhD

For more information on these programs, please visit the USC College of Pharmacy website. Annual information sessions are provided to expose interested students to the various options.

IV. Optional Academic Track Programs

The College of Pharmacy offers three optional academic track programs within the Doctor of Pharmacy curriculum. These programs include the:

- Business and Entrepreneurship Track
- Pre-Residency Track
- Walker Leadership Scholars Program

The tracks allow students to focus on co-curricular concepts outside of required professional courses to assist with skills and employment in particular careers. The tracks provide activities that students can participate in outside the classroom (student organization activities, seminar programs, research projects, etc.) that will further develop professional skills applicable in these practice settings. If a student begins the Business and Entrepreneurship or Pre-Residency track programs, they are not obligated to complete the track and may discontinue their participation at any time. The Walker Leadership Scholars Program requires students to apply, interview, be selected and continue in the track for their second – fourth professional years.

V. Interprofessional Education

The College of Pharmacy requires Doctor of Pharmacy students to participate in interprofessional education (IPE) and experiences with USC students enrolled in the following areas: medicine, nursing, social work, and public health. This occurs through coursework, professional organizations, pharmacy practice experiences, and other activities.

5.1 Mission of USC Interprofessional Education for the Health Sciences

To be an international leader in preparing health professionals skilled in effective interprofessional practice through synergistic educational and experiential activities that enhance the interprofessional learning of students in the health sciences at the University of South Carolina to improve the health and quality of care for the diverse populations we serve.

5.2 Interprofessional Education Goals

- 5.2.1 Graduate excellent interdisciplinary health practitioners
- 5.2.2 Increase health sciences program enrollment
- 5.2.3 Become a model of interprofessional innovation
- 5.2.4 Seek external funding
- 5.2.5 Enhance Community Engagement: IPE supports other USC Initiatives and can benefit South Carolina

VI. Admissions Policies

6.1 Technical Standards Policy

One of the primary missions of the College of Pharmacy is to prepare outstanding pharmacists and pharmaceutical scientists to meet the health care needs of the state and society and to enhance the delivery of essential pharmacy services for all citizens. The faculty of the College of Pharmacy strive to deliver an education that will, through the graduates of the Doctor of Pharmacy Program, attain the highest levels of this goal.

The professional program leading to the Doctor of Pharmacy degree and eligibility for pharmacist licensure requires a certain level of cognitive, behavioral, and technical skill and ability inherent in a professional education. These principles and standards hold for admission, progression, retention and completion of the program. The primary role of the pharmacist is to provide safe and effective health care to the patients served. Patient safety must be considered in the selection and education of student pharmacists. In order to foster patient safety, the College of Pharmacy requires all student pharmacists to demonstrate the ability to meet the minimum standards set forth herein. Standards are developed as criteria to achieve the Doctor of Pharmacy degree in preparation for licensure as a practicing pharmacist and for postgraduate professional training and education in any of the varied fields of pharmacy.

Student pharmacists must reasonably contribute to a safe environment through their personal physical and mental health and social behavior. Students must complete the academic program in a reasonable length of time, must be able to acquire a pharmacist intern license by their first semester in the College and maintain the pharmacist intern license during their educational program, and must be eligible for a pharmacist license after they complete the Doctor of Pharmacy program.

All students are expected to successfully fulfill the same core educational requirements. Reasonable education-related accommodations will be provided, where possible and within the guidelines of the College of Pharmacy.

The five standards listed below describe the essential functions students must demonstrate in order to fulfill the requirements of a general pharmacy education, and thus are prerequisites for **entrance to, continuation in, and graduation from** the College of Pharmacy. A student must meet or exceed the required aptitude, abilities, and skills outlined below. Certain chronic or recurrent illnesses and problems may interfere with didactic studies, delivering or providing patient care, or compromising patient safety and may be incompatible with pharmacy training or practice.

6.1.1 Technical Standards

Observation: Observation necessitates the functional use of visual, auditory and somatic senses. Students must have the ability to observe and evaluate, in classrooms and patient care areas, demonstrations, experiments and patients, including performing physical assessments. Observation of the technical quality of pre-manufactured as well as compounded medications is essential.

Communication Skills: As appropriate for each stage of their education, student pharmacists must be able to communicate effectively and efficiently in oral and written English, to hear, and to listen to patients in order to elicit information; describe changes in mood, activity, and posture, and perceive verbal as well as non-verbal communications. Students must also communicate effectively and efficiently in oral and written English, to hear, and to listen to faculty, staff, other health care professionals, and preceptors. Communication includes not only speech, but also reading, writing, hearing, and computer literacy. They must be capable of completing professional communication activities in a timely manner.

Motor: Student pharmacists must have the coordination of muscular movement with accommodation if necessary to undertake the preparation of all routine forms of medication orders, the use of diagnostic equipment for patient assessment, and the direct delivery of patient therapies. Such actions require coordination of both gross and fine muscular movement, equilibrium, and functional use of the senses of touch and vision.

Intellectual, Conceptual, Integrative And Quantitative Abilities: As appropriate for each stage of their education, student pharmacists must demonstrate a fundamental and continuing ability to use analytical reasoning to independently and in collaboration with a health care team synthesize knowledge, solve problems and explain health care situations. Information must be obtained, retrieved, evaluated and delivered in an efficient and timely manner. Students must be able to demonstrate good judgment in patient care and assessment and have the ability to incorporate new and changing information obtained from the practice environment.

Behavioral And Social Attributes: Student pharmacists must demonstrate professional and ethical demeanor appropriate to their educational level. Students must be able to function within the regulatory and institutional limits of the educational environment and modify behaviors based on

criticism. Students must demonstrate compassion and integrity and a concern for others. This requires responsibility for personal action and emotional stability under the stressful conditions that may come from their professional education.

Individuals with questions or concerns about their ability to meet these standards are encouraged to contact the Associate Dean for Student Affairs and Diversity.

6.2 Pharmacy Prerequisite Requirements

	<u>Semester Hours</u>	<u>Quarter Hours</u>
General Chemistry I & II (2 labs included)	8 hours	12 hours
Organic Chemistry I & II (2 labs included)	8 hours	12 hours
General Biology I & II (2 labs included)	8 hours	12 hours
Human Anatomy/Physiology I & II*	6 hours	9 hours
Physics	3 hours	4.5 hours
Microbiology	3 hours	4.5 hours
Calculus	3 hours	4.5 hours
Statistics	3 hours	4.5 hours
English Composition	3 hours	4.5 hours
English Literature/Composition	3 hours	4.5 hours
Public Speaking/Speech	3 hours	4.5 hours
Economics	3 hours	4.5 hours
Psychology	3 hours	4.5 hours
Liberal Arts Electives	9 hours	13.5 hours
Total	66 hours	99 hours

**A combination of separate Human Anatomy (3 hours) and Human Physiology (3 hours) courses will fulfill this requirement.*

All pharmacy prerequisites must be successfully completed with a "C" or better prior to the Fall semester of professional year one.

6.3 Entrance Requirements

Admission to the College of Pharmacy is competitive and based on the applicant's completion of Pharmacy prerequisite courses, GPA, academic record, letters of recommendation, interview evaluations, PCAT scores, honors/awards, extracurricular activities, pharmacy exposure, student personal statement concerning their goals for a career in pharmacy, diversity statement, and application(s). Applicants must complete the PCAT and have official scores reported to PharmCAS prior to the end of the application period, on or before the application deadline published on the USC College of Pharmacy website in the year of anticipated admission. Applicants will apply via the national PharmCAS system and USC College of Pharmacy Supplemental Application.

Applicants must provide an official copy of all college transcripts to PharmCAS at the time of application submission. A second transcript is required to be submitted to PharmCAS upon receipt of final fall semester grades. Subsequent transcripts are required to be submitted directly to the College of Pharmacy as indicated in the supplemental application upon receipt of final spring and summer grades. As a state-supported institution, preference will be given to in-state applicants. In-state students are defined as S.C. residents and any non-S.C. resident attending a S.C. college or university. In-state status as defined here only applies to the admission process. Residency for the purpose of tuition will be

determined by the University of South Carolina Legal Residency Office. All accepted students will be required to submit to a criminal background review prior to matriculation into the program.

6.4 International Admissions to the Pharm.D. Program Policy

The College of Pharmacy is welcoming to international students within the policy described below. Individual Doctor of Pharmacy program applicants who meet these requirements may apply.

The College of Pharmacy also considers a limited number of international applicants to the doctor of pharmacy program who have completed at least a 5-year bachelor of science in pharmacy degree and when there is a prior written agreement between the College of Pharmacy and an international sponsoring university, government, or agency (International Partnership Program).

6.4.1 Individual International Applicant Requirements

- 6.4.1.1 At least 42 hours of College of Pharmacy prerequisite courses must have been completed at a college or university accredited in the United States excluding courses delivered via electronic media, including English language prerequisites.
- 6.4.1.2 An international student admitted to the College must be proficient in English with a score of at least 550 on the Test of English as a Foreign Language (TOEFL) paper based exam, 77 on the internet-based TOEFL, or 210 on the computer-based TOEFL.
- 6.4.1.3 Applicants must be eligible to receive a Pharmacy Intern Certificate based on the South Carolina Board of Pharmacy requirements. The Pharmacy Intern Certificate is a requirement for students to complete Introductory and Advanced Pharmacy Practice Experiences portions of the PharmD curriculum.
- 6.4.1.4 Applicants who have attended post-secondary educational institutions, colleges or universities outside of the United States are required to submit a professional credential evaluation of all work completed. This is generally referred to as a course-by-course transcript evaluation. A course-by-course transcript evaluation should be sent directly to the College of Pharmacy Admissions Office from the evaluation service, which must be a member of the National Association of Credential Evaluation Services (NACES). The web address is www.naces.org. A fee from the applicant is required for the evaluation of credentials. The payment and all contact regarding this process is done directly with the evaluation service of your choice.
- 6.4.1.5 Applicants currently enrolled in a term or semester should contact the evaluation service for a partial evaluation. A final evaluation will be required prior to enrollment. A fee from the applicant is required for the evaluation of credentials. The payment and all contact regarding this process is done directly with the evaluation service of your choice. Below is the contact information of two companies that frequently provide us with evaluations:

Josef Silny & Associates, Inc.
International Educational Consultants
7101 SW 102 Avenue
Miami, FL 33173
Web: www.jsilny.com
Phone: 305-273-1616 305-273-1616

World Education Services, Inc.
P.O. Box 5087
Bowling Green Station

New York, NY 10274-5087
Web: www.wes.org
Phone: 212-966-6311 212-966-6311

- 6.4.1.6 Official documents (photocopies are acceptable) certifying that the student will have sufficient funding to attend the College of Pharmacy for one academic year are required. This evidence will be used to issue the student an immigration document (I-20 or DS-2019) which will be required to obtain the F-1 or J-1 student visa at a US embassy or consulate. Applicants who are permanent residents do not need to provide this information. International students may not be eligible for student loans through the FAFSA process. All international students will be considered out-of-state during the admissions processes and for tuition purposes.
- 6.4.1.7 The applicant is responsible for obtaining a proper visa, if accepted.
- 6.4.1.8 Applicants admitted to the Doctor of Pharmacy program must comply with all student policies and requirements as detailed in the College of Pharmacy Academic Bulletin & Student Handbook and all admission procedure requirements, including a background check and health/immunization policies as well University requirements.

6.4.2 International Partnership Program Applicant Requirements

International Partnership Applicants to the College of Pharmacy Doctor of Pharmacy program may apply only after a written agreement between the USC and the international sponsoring university, government, or agency has been completed. The number of international partnership applicants admitted each year will be determined by the College of Pharmacy, and a signed partnership agreement does not guarantee admission of individual applicants. For admission of international BS degree pharmacists, applicants must meet admission criteria shown below. The College of Pharmacy may grant advanced status, depending on the individual's academic record or practice experience. International applicants must have graduated within 10 years of the date of application.

- 6.4.2.1 An international partnership program student admitted to the College must be proficient in English with a score of at least 550 on the Test of English as a Foreign Language (TOEFL) paper based exam, 77 on the internet-based TOEFL, or 210 on the computer-based TOEFL.
- 6.4.2.2 Applicants must be eligible to receive a Pharmacy Intern Certificate based on the South Carolina Board of Pharmacy requirements. The Pharmacy Intern Certificate is a requirement for students to complete Introductory and Advanced Pharmacy Practice Experiences portions of the Pharm.D. curriculum.
- 6.4.2.3 Applicants who have attended post-secondary educational institutions, colleges or universities outside of the United States are required to submit a professional credential evaluation of all work completed. This is generally referred to as a course-by-course transcript evaluation. A course-by-course transcript evaluation should be sent directly to the College of Pharmacy Admissions Office from the evaluation service, which must be a member of the National Association of Credential Evaluation Services (NACES). The web address is www.naces.org. A fee from the applicant is required for the evaluation of credentials. The payment and all contact regarding this process is done directly with the evaluation service of your choice.
- 6.4.2.4 Official documents (photocopies are acceptable) which certify that the applicant will have sufficient funding to attend the College of Pharmacy for one academic year is required. This evidence will be used to issue the student an immigration document (I-20 or DS-2019) which will be required to obtain the F-1 or J-1 student visa at a US

embassy or consulate. Applicants who are permanent residents do not need to provide this information. International students may not be eligible for student loans through the FAFSA process. All international students will be considered out-of-state during the admissions processes and for tuition purposes.

6.4.2.5 The applicant is responsible for obtaining a proper visa, if accepted.

6.4.2.6 Applicants admitted to the doctor of pharmacy program must comply with all student policies and requirements as detailed in the College of Pharmacy Academic Bulletin & Student Handbook and all admission procedure requirements, including a background check and health/immunization policies as well as University requirements.

VII. Transfer Policies

7.1 Admission to the Doctor of Pharmacy Program from another College of Pharmacy

Applications for transfer students from other accredited professional pharmacy programs into the college's professional Pharm.D. program will be evaluated on an individual basis. The student applying for transfer must be in good standing in their current program, the student must complete at least two years of study at the USC College of Pharmacy and a position must be available in the Pharm.D. program for any application to be considered.

Information required for transfer:

- Letter from the student requesting the transfer and stating the reason
- Letter from the Dean's Office of the student's current Pharm.D. program stating the student is in good academic and professional standing
- Completion of a College of Pharmacy Supplemental Application
- Receipt of all college transcripts by the College of Pharmacy Admissions Office
- Three letters of recommendation
- Official PCAT scores (must include writing score)
- Current program's Pharm.D. curriculum

The Admissions Committee may consult the Curriculum Committee and others in regards to Pharm.D. course equivalencies and/or where the transfer should be placed in the College of Pharmacy at the University of South Carolina program. The Admissions Committee may require a face-to-face interview for transfer students.

7.2 Transfer to Greenville (GHS) Campus

A satellite campus located in Greenville, South Carolina is available for student transfer for the third and fourth professional years. Beginning with Fall 2017 entering students, GHS campus transfer approval is designated upon acceptance to the Pharm.D. program. This transfer is binding and documented in a second acceptance letter to the USC College of Pharmacy. Students entering in Fall 2016 will follow a transfer process that is announced to the second professional year class annually during the Fall semester.

VIII. Student Services Elements

8.1 Student Services Communication

8.1.1 Incoming P1 Student Onboarding Process

Incoming P1 students will receive a series of detailed emails from the USC COP Student Affairs/Admissions Offices regarding University of South Carolina processes, SC Board of Pharmacy documents, College of Pharmacy computer requirement, and communication methods going forward, including the College website, that students need to be aware of prior to P1 Orientation.

8.1.2 Required P1 Orientation

All incoming P1 students will attend a required 1-week orientation that will provide students with University of South Carolina resources/offices, College of Pharmacy student processes and longitudinal co-curricular requirements, engagement with faculty and current pharmacy students, technology resources, the College of Pharmacy curriculum, and optional academic tracks/dual degrees/Kennedy Pharmacy Innovation Center opportunities.

8.1.3 Required Annual College Updates Presentation for Returning Students

Returning students are required to attend an annual College Updates presentation provided by the Associate Dean for Student Affairs and Diversity that addresses any new, revised, or reemphasized policies and procedures for College of Pharmacy students, reminders of co-curricular requirements, important dates for the academic year, and any additional information from the Dean or Senior Associate Dean.

8.1.4 Bi-Annual Registration Instruction Email

Prior to the registration period, the Associate Dean for Student Affairs and Diversity sends students an extensive email with step-by-step instructions to register for classes, including tuition information, financial aid information, and elective offerings and details. This information is then housed on the internal College intranet.

8.2 Registration

Registration for College of Pharmacy students occurs through the University of South Carolina Self Service Carolina system. All students will have access to this system once appropriate documents are submitted to the University, including but not limited to: Citizenship Form, Proof of Legal Residency Form, and Immunization Documentation. For more information, refer to my.sc.edu.

8.3 Tuition & Payments

The College of Pharmacy utilizes the University of South Carolina Bursar's Office for the assessment and collection of tuition and fees. For more information, contact (803) 777-4233.

8.4 Financial Aid

The College of Pharmacy utilizes the University of South Carolina Office of Student Financial Aid & Scholarships for all processes relating to scholarship awards and loans. Pharmacy students are considered "professional" students for the purpose of all loan applications. For more information, contact (803) 777-0542.

8.5 Health Insurance

Health Insurance is not mandatory during didactic classes (P1, P2, P3), but is required for students prior to beginning pharmacy practice experiences held during the summer of P1 and P2 academic years and

the fourth professional year of the Pharm.D. program. The College of Pharmacy does not mandate the provider of health insurance. The University of South Carolina offers a group health insurance plan; information regarding this plan can be located on the Student Health Center website. Students must provide proof of insurance covering each pharmacy practice experience to the Office of Experiential Education by May 1st of each year of enrollment.

8.6 Student Health Services

The College of Pharmacy utilizes the University of South Carolina Student Health Services to provide services such as Allergy & Immunization Clinic, Physical Therapy, Nutritionist, Psychiatric Services, and General Medicine. The College of Pharmacy does not mandate the provider of health services. For more information on general Student Health Services contact (803) 777-3175, Counseling Services contact (803) 777-5223, and Psychiatric Services contact (803) 777-1833.

8.7 Office of Student Disability Services

The College of Pharmacy utilizes the University of South Carolina Office of Student Disability Services to assess and provide necessary accommodations for learning, physical, and psychiatric disabilities. For more information, contact (803) 777-6142.

8.8 Division of Law Enforcement & Safety

The College of Pharmacy utilizes the University of South Carolina Division of Law Enforcement and Safety to provide crime prevention and safety resources regarding theft, dating violence, behavioral intervention, self-defense workshops, etc. For more information, contact (803) 777-4215.

8.9 Library Services

The College of Pharmacy utilizes the University of South Carolina Thomas Cooper Library and online resources to provide services such as retrieving hardcopy and electronic literature and tertiary resources, borrowing electronic devices, reserving study rooms and lockers, providing research consultations, and allowing for an extensive study space for students. For more information, contact (803) 777-7000.

8.10 Student Success Center

The College of Pharmacy utilizes the Student Success Center as a supplement for academic support services, including study skills and financial awareness. For more information, contact (803) 777-1000. College of Pharmacy students are encouraged to communicate/meet with individual Faculty members, Course Coordinators, Administrators, and attend College tutoring services as needed.

8.11 Parking

Parking on campus is available in specified University of South Carolina areas to all students whose vehicle displays a valid parking permit. Permits and information regarding parking locations are available through Parking Services. For more information, contact (803) 777-5160.

8.12 Housing

The College of Pharmacy does not specify the location that students must reside. The University of South Carolina University Housing and Residential Services provides limited on campus apartments and

married student housing. Several public/private and apartment options are located in close proximity to the College of Pharmacy. For more information, contact (803) 777-4283.

8.13 Carolina Card

Students attending the College of Pharmacy are required to obtain a Carolina Card through the University of South Carolina that allows for checking out library materials, using fitness facilities, obtaining athletic event tickets, purchasing meal plans, and receiving discounts at various local on and off campus retail and restaurant locations. There is no cost to obtain an initial Carolina Card. For more information, contact (803) 777-1708.

IX. Academic Policies

9.1 Grading Procedures

- 9.1.1 The letter grades of A, B+, B, C+, and C represent passing grades in order from highest to lowest. The letter grades D+ and D allow progression to the next sequenced courses in the same academic year, but are not considered passing grades.
- 9.1.2 Courses in which students earn grades of D, D+, F, or U must be repeated.
- 9.1.3 Per USC policy, S and U indicate, respectively, satisfactory (passing) and unsatisfactory (failing) performance in courses carried under the Pass-Fail option. The Pass-Fail option is only used for introductory pharmacy practice experiences and elective courses which are specified as Pass-Fail.
- 9.1.4 Per USC policy, W is assigned for student withdrawal from a course after the late registration period but before the drop date. A WF, which counts as an F in GPA calculation, is assigned for student withdrawal from a course after the drop date prescribed in the *USC Academic Calendar*. Students who must withdraw from all courses due to compelling circumstances may petition the Scholastic Standing and Petitions Committee to receive grades of W rather than WF. An "I" (Incomplete) is assigned at the discretion of the course coordinator when, in the course coordinator's judgment, a student does not complete some portion of the assigned work in a course. Per USC policy, students must fulfill remaining course requirements within 12 months in order to replace the incomplete grade with a final grade. Failure to complete the remaining coursework within 12 months will result in a final grade of F for the course. A grade of Incomplete cannot be carried into the fourth professional year; requirements to remove the Incomplete and receive a final course grade must be fulfilled prior to the start of the pharmacy practice experiences in the fourth professional year.
- 9.1.5 Some courses in the professional curriculum appear in a sequence (similar course names and sequential course numbers) when course material is similar, related and/or sequentially builds knowledge/skill in a given area. In some instances, mastery of material in one or more courses in such sequences are considered prerequisites to further courses in that sequence. A student receiving a grade of F in a prerequisite course cannot take the other course in that sequence when the first course has been designated as a prerequisite to them. The student must retake the failed course and receive a grade of C or better before taking the other sequenced courses, which may delay a student's progression.
- 9.1.6 Students must have no course deficiencies and must meet all progression guidelines as defined under the College of Pharmacy Scholastic Standing Guidelines in order to begin their advanced pharmacy practice experiences at the end of the third professional year.
- 9.1.7 The following grading scale will be utilized:
 - A 90–100.00
 - B+ 85–89.99
 - B 80–84.99

C+	75–79.99
C	70–74.99
D+	65–69.99
D	60–64.99
F	≤ 59.99

- 9.1.8 Course coordinators and course faculty will identify the specific course requirements, which will be utilized to determine student performance (i.e. tests, reports, class participation, group projects), and this should be provided to students in the syllabus at the beginning of the course.
- 9.1.9 In cases where a student must repeat a course, both grades will remain in the student academic record and will be factored into the overall GPA.

9.2 Academic Accommodations

- 9.2.1 The USC Office of Student Disability Services grants student academic accommodations. Students at USC should contact the Office of Student Disability Services directly (803-777-6142). Students on the GHS campus will be granted an accommodation by the USC Office of Student Disability Services.
- 9.2.2 Once Faculty are notified by the USC Office of Student Disability Services of a student accommodation, they are required by the American Disabilities Act to make accommodations for students.
- 9.2.3 After receiving the accommodation from the USC Office of Student Disability Services, the student is responsible for informing each course coordinator of the accommodation or verifying each course coordinator has received documentation prior to the first exam in which the student would like to utilize the approved accommodation.
- 9.2.4 Students with accommodations will be handled by the course coordinator.
- 9.2.5 Students must schedule exams requiring accommodation at least 7 business days in advance of the regularly scheduled exam with the course coordinator. Failure to do so will result in inability to utilize accommodations for that exam.
- 9.2.6 Examinations will be taken during the regularly scheduled class time when possible. If a conflict exists, then:
 - 9.2.6.1 The examination will begin the class period prior (if possible) to the regularly scheduled time, or the examination will be taken the same day, at the first available time slot of the course coordinator or alternate testing center.
- 9.2.7 Students may elect to miss classes to begin the exam early or finish the exam late. Students may not miss a class with required attendance.
- 9.2.8 If students opt to take the exam at another time due to class schedule conflict, they are required to be present in the classes that conflict. If the student is found to not attend the classes that conflict, they will be referred to the USC Office of Student Conduct and/or professionalism committee (College of Pharmacy) for sanctions.
- 9.2.9 The USC University Testing Center may be utilized for students requiring accommodations. Due to capacity limits, the course coordinator may schedule separate times to test students with accommodations at the USC University Testing Center if necessary after discussing with the center.
- 9.2.10 Faculty are encouraged to have the student take the exam in the same format as the entire class (computer or paper). The only exception is if the accommodation relates to how the exam is administered (paper or computer).
- 9.2.11 Faculty should ensure that students who receive extra time on the exam are able to remain in one location for the entire time allotted per the accommodation if possible.

X. Course Policies

10.1 Student Expectations & Attendance

- 10.1.1 Students are obligated to complete all assigned work promptly, to attend class regularly, and to participate in class discussions/group exercises.
- 10.1.2 Attendance is expected for all classes. The course coordinator may choose to establish a specific attendance policy in an individual course and this policy, along with consequences of violation of this attendance policy, should be presented to students enrolled in the class at the beginning of the semester, as part of the course syllabus. The course coordinator may choose to exact a grade penalty for excessive absences as defined in the course specific attendance policy.
- 10.1.3 Students are required to attend 100 percent of laboratory course meetings.
- 10.1.4 The Associate Dean for Student Affairs and Diversity or Senior Associate Dean may excuse students for significant absences (usually related to health issues or family deaths). A medical excuse or other appropriate documentation is required to be submitted if the absence occurs on an exam day unless preapproved through the Dean's Office. All other class absences must be approved by the course coordinator.
- 10.1.5 The College of Pharmacy follows the University of South Carolina policy on observance of religious holy days.
- 10.1.6 Students may request approval from individual Faculty to be absent from class to attend a professional meeting or event. A student must provide at least 4 weeks' advance notice to the Faculty member, who may or may not approve the request.

10.2 Severe Weather Policy

- 10.2.1 In the event of a weather emergency which might affect class schedules, the College of Pharmacy will follow the guidelines as provided by the University of South Carolina.
- 10.2.2 Students should access the USC website at www.sc.edu to determine if there has been an official announcement that classes have been cancelled or delayed. College of Pharmacy students may receive severe weather alerts from the university; College of Pharmacy students should follow the guidelines of the university regarding cancellation or delay of classes.
- 10.2.3 The Dean will determine the specifics of how the College of Pharmacy will follow university guidelines and will inform the Director of Communications/IT Staff. The Director of Communications/IT Staff will be responsible for getting a notice posted on the front page of the College of Pharmacy Web site and via other electronic avenues of communication such as Facebook and Twitter. Students will receive an email notifying them of the effect on the College of Pharmacy.
- 10.2.4 The GHS Clinical Associate Dean or designee will notify students on the Greenville campus about any changes in class schedules due to inclement weather. Students should check the College of Pharmacy website for additional information.
- 10.2.5 In the event that the weather emergency affects only one campus, then classes/labs will occur at the unaffected campus, if lectures/labs were scheduled from the unaffected campus on that day. Lectures will either be recorded or alternate arrangements made available to all College of Pharmacy students whose campus was affected.
- 10.2.6 The affected campus coordinator will determine lab make-up date(s) and time(s). If an exam was scheduled for the day, then the exam will be delayed on both campuses until another regular class meeting time.
- 10.2.7 USC procedures in the event of severe weather do not apply during IPPEs and APPEs. Students are required to contact their preceptor to determine whether travel to rotation is safe and/or the rotation site is open. If inclement weather is predicted, the student should develop a

plan with their preceptor in advance. Under no circumstances should the student ASSUME that they are not to report to rotation.

10.3 Temporary Student Attendance at an Alternate Campus

Students may request to temporarily transfer to an alternate campus for a limited time period (less than 1 semester). Reasons for the request may be self/family health issues or personal issues. The student must meet with the Associate Dean for Student Affairs and Diversity to discuss the circumstances. If the Associate Dean for Student Affairs and Diversity deems the request valid, the alternate campus will be contacted to determine if any space or other applicable issues prevent the student from completing this temporary transfer. Upon approval, the student must submit in writing a request for the transfer as well as the time period involved to the Associate Dean for Student Affairs and Diversity.

10.4 Distance Education Policy

The College of Pharmacy may utilize distance education technology in the teaching of didactic courses during the professional program in regards to the third professional year offered at the GHS Campus and any course-specific instances requiring such technology.

10.5 Student Honor Code Policy

- 10.5.1 Policies regarding honor code and academic integrity for students enrolled in the College of Pharmacy are defined in the USC Honor Code, Carolina Creed, and USC Academic Integrity website. *Carolina Community* provides additional guidelines, including notification of student rights under FERPA and other mandated notifications.
- 10.5.2 Any reports of potential Student Honor Code violation by faculty, staff, or students may be sent to the USC Office of Academic Integrity. The USC Honor Code and USC Academic Integrity website will provide the guidelines for dealing with these situations.

10.6 Copyright Policy

The College of Pharmacy seeks to aid enrolled students by offering limited (i.e. not offered for every course) electronic presentations and recordings of lectures as a study tool and to better meet individual learning needs. With the growing use of technology, students and faculty have the responsibility to understand and observe copyright law including educational fair use guidelines, obtaining written permission, and to follow USC policy.

As supplemental tools, all material found in lectures is owned by the College of Pharmacy and is protected by United States Copyright laws. Lecture material is only available to students enrolled in the course where the content is available, and use is not permitted outside the scope of the course. Recorded lectures will only be posted to Blackboard.

Material found in the lectures may not be photocopied, screen-shot, duplicated or distributed by any student without the express, written permission from the faculty member who created the material. Video, audio, or photographic recordings of course material are strictly prohibited. Recordings, course material, and lecture notes may not be reproduced verbatim nor uploaded to publicly accessible web environments. Recordings and course material may not be exchanged nor distributed to a third party for compensation. Recordings and course material may not be used for any purpose other than personal study and may not violate any policies herein. An individual may individually print copies of lecture material solely for personal use under the scope of the course. Duplication or dissemination of lecture materials without authorized use may violate federal or state law and USC University policies.

Failure to adhere to these policies is a violation of the College of Pharmacy Professionalism Policy and may result in disciplinary action under University guidelines. For any further assistance with copyright matters, faculty and students may seek guidance from the Library Staff or the Dean's Office.

10.7 Audience Response System Policy

Students are required to purchase a multi-year (3 years) access of the Top Hat Audience Response System prior to P1 Orientation.

XI. Testing Policies

11.1 Test Scheduling

- 11.1.1 A *test* is defined as a major examination of material in a course (usually administered no more frequently than every two weeks, except in summer sessions). A *day* is defined as the day of the week, not a 24-hour period. The Test Scheduling Policies do not apply to written report dates, scheduled oral presentations, or weekly quizzes.
- 11.1.2 No more than two tests in core courses will be given on the same day to the same class (e.g. P1, P2, etc.) Consequently, under this policy, two tests could be administered on Monday afternoon and two tests could be administered on Tuesday morning. No tests, except in lab courses, will be given during the week prior to final exams.
- 11.1.3 A test schedule will be distributed to all students on the first day of class each semester. Students attending professional meetings may be excused from tests. In these cases, the course policy for excused test absences, as defined in the College of Pharmacy Course Policies, will be applied. Students who will miss class due to attendance at an event, which has been designated as a College of Pharmacy-sanctioned event, will be granted an excused absence. The coordinator MUST be notified in writing (e-mail is fine) of the scheduled absence at least four (4) weeks in advance or on day one of the semester; professors may or may not approve the request. Students should follow the reporting process to the Associate Dean for Student Affairs and Diversity for professional meeting absences to obtain a Deans Office issued excused absence.
- 11.1.4 P1 students are required to attend an e-testing orientation and to confirm that the appropriate software is loaded onto their laptop. They are required to participate in an e-testing practice session prior to the first exam. Students are responsible for any lost time in completion of an exam due to inexperience with the process for running the security software and/or accessing the exam.
- 11.1.5 Final examinations will be scheduled in accordance with the College of Pharmacy final exam schedule.
- 11.1.6 This test policy may be suspended due to severe weather or natural disaster to facilitate rescheduling of missed classes and tests.
- 11.1.7 For room scheduling purposes only, a 3-hour block of time will be allotted for final exams. Course coordinators will determine a reasonable length of time for completion of the final course exams. The course coordinators are not required to provide 3 hours for final exams if it is unreasonable given the exam structure.
- 11.1.8 If a scheduled test must be missed due to unforeseen circumstances, the student must notify the course coordinator by letter, phone, or e-mail, prior to the test, if possible, and the student must obtain an excuse from the Associate Dean for Student Affairs and Diversity or Senior Associate Dean.
- 11.1.9 If an absence is excused, the student will either be given a makeup exam or the other test grades will be increased proportionately to compensate for the missing grade. This decision will be at the discretion of the course coordinator.

- 11.1.10 After each major examination, this course coordinator is expected to contact the individual students with grades of D+, D, or F on the exam and offer an opportunity to meet with them regarding their performance on the exam, as well as offer mechanisms for improvement. The professor of record is also expected to provide the Dean's Office with a list of students receiving grades of D+, D, or F on the exam; this will allow the Dean's Office to identify students with academic problems in multiple courses. The Dean's Office will schedule academic progress conferences with students who have grade difficulties in multiple courses.

11.2 Minimum Required Examination Procedures

- 11.2.1 All examinations will be proctored by a faculty member(s). At least one proctor is required to be present in the exam room at all times.
- 11.2.2 No examination materials (including scratch paper) are to leave the room under any circumstances during the actual examination period or during an examination review.
- 11.2.3 If print exams are administered, scantrons will be standardized. The following elements will be used: full name (first, middle initial, last), date, social security/identification section will be last 5 digits of social security number, analysis group (version A or 1, version B or 2, version C or 3, version D or 4, depending on the scantron used).
- 11.2.4 Book bags are to be placed at the front or sides of the classroom away from all students for the duration of the examination. The only items allowed at the student's desk are: pencils, calculators, exams, scantron sheets, and scratch paper. If electronic exams are administered, only pencils, scratch paper, and laptops are allowed. Failure to bring a laptop to a scheduled exam is considered an unexcused absence. The policy of the College is that the exam grade is zero, unless the student has contacted the course coordinator regarding extenuating circumstances or the course coordinator or course syllabus has indicated an alternate policy. If a laptop is malfunctioning prior to an exam, the student is required to provide proof that his/her computer is malfunctioning. Students who are aware of a computer problem prior to the exam must contact the course coordinator at least 30 minutes prior to the exam.
- 11.2.5 Cell phones, PDAs, iPods, computer, iPads, watches or any time-keeping devices, or similar electronic devices are to be turned off and stored in book bags during examinations or exam review sessions and until exiting the room.
- 11.2.6 Calculators (when authorized to be used by course coordinator) must not be capable of storing equations, graphs, charts, etc. Only non-programmable calculators are allowed - no cell phones, PDAs, or similar devices are to be used as calculators during exams. No additional notes or written materials may be engraved, adhered, or otherwise attached to a calculator being used during an exam. Students are to be seated with at least one empty chair between individuals when facilities and space allow.
- 11.2.7 Hats are not to be worn during examinations. Exception: visors and baseball caps (or similarly brimmed caps) may be worn with the brim turned around backward.
- 11.2.8 Clocks will be maintained in each of the classrooms.
- 11.2.9 Students will be assigned a password to access electronic exams. It is highly recommended that students use a hardwire connection to the internet for accessing electronic exams. If a student forgets his/her cable or simply wants to use Wi-Fi, he/she assumes responsibility for a lost wireless connection. For a student who has technical problems in accessing or completing an electronic exam, a penalty may be given for providing him/her with a print copy. The penalty, if any, is specified in the course syllabus.
- 11.2.10 Students are expected to arrive on time for scheduled exams. Arriving late to an exam is unprofessional and is considered a violation of the professionalism policy. Grade sanctions for students arriving late to an exam are specified in each course syllabus. Students who are repeatedly late for exams will be referred to the Professionalism Committee. If a student is late to

- an exam for an extenuating circumstance, proof must be provided to the Associate Dean for Student Affairs and Diversity or Senior Associate Dean in order to prevent sanctions.
- 11.2.11 Questions relating to exam content are strictly prohibited during the examination. Questions regarding suspected typing errors on the test (e.g. omissions, misnumbering, defective exam pages, etc.) are permitted.
 - 11.2.12 Food or beverages are not allowed during examinations. All food containers and beverages should be placed at the front or sides of the classroom along with book bags.
 - 11.2.13 Restroom breaks are discouraged. If restroom breaks are needed during an examination, only one student at a time will be allowed to leave the exam room and a same sex faculty member may accompany the student.
 - 11.2.14 Cheating in any form is not allowed and will be considered an honor code violation and immediately referred to the USC Office of Academic Integrity.
 - 11.2.15 Students should take all personal items and exit the exam room upon completion of the exam. Students are not permitted to reenter the exam room until all students have completed the exam.

XII. Scholastic Standing Policies

12.1 Progression

- 12.1.1 In order to be eligible for promotion and graduation, students must obtain at least a 2.0 (grade of C or better) in each professional course and maintain an overall GPA of at least 2.0 in all professional courses; Course grades of D, D+, I, F and U are considered deficiencies.
- 12.1.2 Students must remove any deficiencies by the beginning of the fall semester in order to be promoted to the next year. This may be accomplished by taking summer classes, if available. Any course in the Pharm.D. curriculum requiring remediation outside of the originally scheduled time period results in additional tuition charges, including pharmacy practice experiences. Requests to take classes outside of the College of Pharmacy and to receive credit for these classes will require the approval of the course coordinator and the Senior Associate Dean.
- 12.1.3 Course withdrawals and leaves of absence require the approval of the Dean's Office. "Compelling circumstances" must be evident. Students who withdraw prior to the established USC drop date will receive a grade of W; students who withdraw from a course after the established USC drop date will receive a grade of WF, which calculates as a zero for purposes of computing a student's GPA.
- 12.1.4 Students are required to register for and successfully complete all required and elective coursework in a specific professional year in order to register for courses and progress to the next professional year in the curriculum.
- 12.1.5 If a student fails to achieve a grade of C or better in an elective course, the student is encouraged, but not required, to re-take the elective course. However, the student must successfully complete a minimum of eight hours of electives by the end of the third professional year.
- 12.1.6 Students will not be allowed to complete a course in a sequenced group of courses if they receive a grade of F or U in the previous course that has been designated a prerequisite to the latter course(s); a grade of D+ or D in the previous course will allow a student to complete other courses in a sequenced group of courses, but the course deficiency must be removed prior to beginning the next professional year in the curriculum.
- 12.1.7 Sequenced courses in the College of Pharmacy curriculum in which one course in the sequence is considered a prerequisite for one or more of the other courses in the sequence are listed below; it should be noted that some sequenced courses are scheduled over multiple professional years:

Foundations of Pathophysiology & Pharmacology I and II
Foundations of Pharmaceutical Chemistry & Pharmacogenomics I and II
Introduction to Drug Information and Advanced Drug Information
Pathophysiology & Pharmacology I, II, III, and IV
Intro Community Pharmacy Laboratory and Applied Community Pharmacy Laboratory
Intro Health Systems Laboratory and Applied Health Systems Laboratory
Clinical Applications II, III, IV, V, and VI
Pharmacotherapy I, II, III and IV

- 12.1.8 For integrated/ linked courses that are also delivered in sequence (such as Pharmacotherapy I-IV and Pathophysiology/Pharmacology I-IV), students will not be allowed to complete either of the two next courses in the sequence if they receive a grade of F in either of the two previous integrated courses. A grade of D+ or D in either course will allow a student to complete the next course in the sequence, but the course deficiency must be removed prior to beginning the next professional year in the curriculum.
- 12.1.9 Students will not be allowed to complete the Introductory Pharmacy Practice Experience (IPPE) Community Rotation (PHMY 699) if a student has a deficiency (obtains a D+, D, F, or U) in PHMY 670 and/or PHMY 671 (Pharmacy Skills Lab I – II). Students will not be allowed to complete IPPE Hospital/Health System Rotation (PHMY 798) if a student has a deficiency (obtains a D+, D, F, or U) in PHMY 790 and PHMY 791 (Pharmacy Skills Lab III – IV).
- 12.1.10 If a student has deficiencies (obtains a D+, D, F or U) in more than four courses during any given academic year, he/she will be dismissed from the pharmacy program.
- 12.1.11 If a student has deficiencies (obtains a D+, D, F or U) in more than two courses in any given academic year, he/she will NOT be allowed to make any of those courses up during summer sessions and must repeat those courses during the next academic year. If the student is on probation, he/she will be dismissed. If the student is not on probation, he/she will be suspended for one calendar year at the beginning of the next fall semester.
- 12.1.12 No student will be allowed to take more than two courses per summer session.
- 12.1.13 No student will be allowed to take a required course (except IPPEs and APPEs) for the first attempt in a summer session.
- 12.1.14 Any IPPE and/or Advanced Pharmacy Practice Experience (APPE) experiential course deficiency must be remediated. Students with a deficiency in a required or elective introductory or advanced pharmacy practice experience must remediate the rotation at a site determined by their home campus Experiential office. Students who elect to complete ten APPEs must complete an eleventh rotation in the event of a rotation deficiency.
- 12.1.15 Students with a deficiency (obtaining a D+, D, or F) in more than one APPE rotation will be dismissed from the program.
- 12.1.16 Students who earn a course deficiency in a Fall semester course will not be allowed to hold office in any professional organization or class at the College of Pharmacy or university level for the following Spring semester. Students who earn a course deficiency in a Spring semester course will not be allowed to hold office in any professional organization or class at the College of Pharmacy or university level for the following Fall semester. If you are a current or incoming student leader who falls under one of the above situations, you will be required to resign from your leadership position(s).

12.2 Suspension

- 12.2.1 Suspension means that a student will be prohibited from advancing in the curriculum for one academic year. Students will be suspended if they fail to remove any deficiencies by the beginning of the fall semester.

- 12.2.2 A suspended student may repeat required course(s) once in order to remove deficiencies and strengthen areas of weakness. (Additionally, the student may have up to 8 hours of electives to improve the overall GPA and strengthen areas of weakness during their academic matriculation.)
- 12.2.3 A suspended student who meets the requirements for promotion will be removed from suspension, placed on academic probation for one year (see definition below) and allowed to progress in the curriculum.
- 12.2.4 Suspended students will not be allowed to seek or hold office in any professional organization or class at the College of Pharmacy or university level.
- 12.2.5 Failure to remove all deficiencies and to attain a cumulative GPA of 2.0 or higher by the conclusion of a period of suspension will result in dismissal (see definition below) from the College of Pharmacy.

12.3 Academic Probation

- 12.3.1 Students on probation must demonstrate their ability to consistently and satisfactorily progress in the curriculum, by maintaining a minimum GPA of 2.0 and meeting promotion requirements for one academic year.
- 12.3.2 To enter the fourth professional year, all professional students must have successfully completed all professional course requirements, including elective courses, by the end of the spring semester of the third professional year.
- 12.3.3 Probationary students will not be allowed to seek or hold office in any professional organization or class at the College of Pharmacy or university level.
- 12.3.4 Failure to satisfy the terms of probation will result in dismissal.

12.4 Dismissal

- 12.4.1 Dismissal is the mandatory withdrawal of a student.
- 12.4.2 After dismissal, the college will not accept any course work from the student to complete the Doctor of Pharmacy program.
- 12.4.3 Students will be dismissed if they fail to remove all deficiencies, fail to attain a cumulative GPA of 2.0 or higher by the conclusion of a period of suspension, or if they fail to satisfy the terms of academic or professional probation.
- 12.4.4 A student may repeat a course in the professional curriculum only once. Failure to remove the course deficiency after the second attempt will result in the student's dismissal.
- 12.4.5 If a student has deficiencies in more than four courses during any given academic year, he/she will automatically be dismissed from the program.
- 12.4.6 Students with a deficiency in more than one APPE rotation will be dismissed from the program.
- 12.4.7 Students may be dismissed for lack of professionalism and/or professional misconduct.
- 12.4.8 Students may be dismissed by the College of Pharmacy and/or the University of South Carolina dependent upon individual student situation.

12.5 Petitions

- 12.5.1 Any student seeking an exception to the academic standards may petition the College of Pharmacy Scholastic Standing and Petitions Committee. Students have 10 calendar days from the date they receive written notification of their deficiency, suspension, or dismissal to submit a petition to the Associate Dean for Student Affairs and Diversity, who will serve as liaison and provide all documents to the Chair of the committee. A petition may be approved or denied based on the merits of the individual situation. The petition process will be handled through the College of Pharmacy Scholastic Standing and Petitions Committee.

- 12.5.2 The College of Pharmacy Scholastic Standing and Petitions Committee does not have the authority to change grades assigned by faculty or preceptors.
- 12.5.3 The Dean will review and approve petition decisions as submitted by the College of Pharmacy Scholastic Standing and Petitions Committee. The Associate Dean for Student Affairs and Diversity will issue final communication regarding the petition decision to the student.
- 12.5.4 Students whose petition was denied may petition a final time directly to the Dean in cases where new, substantial information has arisen following their hearing with the College of Pharmacy Scholastic Standing and Petitions Committee.
- 12.5.5 An application for readmission following withdrawal or dismissal from the program must be made through a special application process determined by the College of Pharmacy Admissions Committee.
- 12.5.6 USC undergraduate pre-pharmacy students may petition the USC College of Pharmacy Scholastic Standing and Petitions Committee concerning suspension, dismissal, or readmission from/to the University of South Carolina.
- 12.5.7 The maximum length of time that will be allowed to pass following suspension or dismissal before petitioning is ten years from the original suspension or dismissal notification.

XIII. Pharmacy Practice Experiences

13.1 Pharmacy Intern Certificate

All accepted students will be required to obtain a Pharmacy Intern Certificate from the South Carolina Board of Pharmacy. This certificate will need to be obtained, at minimum, no later than the last day of classes for the 1st Professional year Spring semester. If a student's Pharmacy Intern Certificate is suspended, revoked, or voluntarily surrendered, the student may be suspended from the College of Pharmacy.

13.2 Pharmacy Practice Experience Policies

Pharmacy students complete a minimum of 11 pharmacy practice experiences which represents approximately 1/3 of the total pharmacy curriculum. They are required to complete two Introductory Pharmacy Practice Experiences (IPPEs), one in Community Pharmacy and the other in a Hospital/Health System which take place during the summer months following the P1 and P2 curriculum years, respectively. During the P4 year of the program, they complete 9 Advanced Pharmacy Practice Experiences (APPEs) with 5 rotations being in required experiential categories and 4 being electives in a variety of settings. Experiential rotations are assigned by a computerized schedule random "spin" optimization process using a rotation management database, E*Value. Students may enter preferences for physical location, rotation sites, and preceptors, but preferences are not guaranteed. The Experiential Department will attempt to place students at a site that is within one hour driving distance each way from their permanent or temporary residence in South Carolina. All students should be prepared to arrange and pay for their own housing for IPPEs and/or APPEs, if necessary, due to limited rotation sites. Students must abide by both the University of South Carolina College of Pharmacy Academic Bulletin and Student Handbook and the respective IPPE or APPE rotation manuals.

XIV. Professionalism Policies & Procedures

The faculty of our College has approved curricular outcome competencies that each student is expected to master. One of the most important is the demonstration of personal values and ethical principles in all professional and social contexts. Most students come into our program with a well-developed value system that is further refined as they grow through their college experience in general and their professional education. As a

result, there is little emphasis on disciplinary procedures. However, to minimize ambiguity with regard to unprofessional and unacceptable behaviors, professionalism policies are presented here in some detail.

14.1 Professional Standards

The foremost privilege and responsibility of the profession of pharmacy is to selflessly serve humanity, follow state and federal rules and regulations with regards to the pharmacy profession, and to promote the public health and welfare. Given such important privilege and responsibility, pharmacy students are expected to present and conduct themselves in a manner commensurate with a health care professional.

Expected professional behavior includes but is not limited to the following:

- 14.1.1 Student attendance for rotations, lectures, laboratory sessions, and meetings is expected and students must adhere to attendance policies enacted by the course syllabus. Students are expected to be punctual and to remain present until the conclusion of the activity. For courses or meetings in which attendance is mandatory, no student may sign in for another student for class attendance purposes.
- 14.1.2 In all academic and professional settings, students are expected to be alert and prepared to handle all assigned tasks and duties. When students are assigned to work with others, it is expected that the student will participate and complete their responsibilities with regard to the project.
- 14.1.3 In all academic, professional, and social settings, it is expected that students will be courteous, respectful, non-disruptive, and display positive demeanor.
- 14.1.4 The expression of criticism or issues, either in person, in writing (letter or email), or telephone will be done in a non-threatening, non-abusive, and positive manner. Students should follow the College of Pharmacy Student Grievance Policy in regards to individual or class issues.
- 14.1.5 In professional settings, students will always dress in accordance with the College of Pharmacy Dress Code.
- 14.1.6 In all academic, professional, and public settings, it is expected that students will display the highest level of honesty and ethics. If a student suspects that another student has committed a form of academic dishonesty, there is an obligation on the student to report the violation in accordance with the USC Honor Code.
- 14.1.7 A pharmacy student is required to uphold the dignity and honor of the profession, and to accept its ethical principles. Students shall not engage in any activity that will discredit the profession. Students are expected to follow and uphold all local, state and federal laws at all times.

14.2 Criminal Background Check & Student Arrest Policy

The College of Pharmacy will conduct Criminal Background Checks for all students accepted to the professional program. In addition, the College of Pharmacy will conduct Criminal Background Checks prior to pharmacy practice experiential rotations. The College of Pharmacy may provide the results of these Criminal Background Checks to the USC Office of Student Conduct, the South Carolina Board of Pharmacy, and/or the pharmacy practice sites participating in experiential rotations. Students are responsible for clearing any issues reported in background checks. In the event an incident is not expunged from a background report, the College of Pharmacy will make a reasonable effort to place a student at a practice site for practice experiences, but placement is not guaranteed.

Any student who is arrested or convicted for violation of federal, state, or local laws is subject to appropriate disciplinary action by the University of South Carolina, and/or the South Carolina Board of Pharmacy. The College of Pharmacy Dean's office may immediately suspend a student from participating in experiential rotations until their case can be reviewed by USC Campus Office of Student Conduct,

and/or South Carolina Board of Pharmacy. Each of these entities may review the student's case and may impose appropriate disciplinary action.

In addition, the College of Pharmacy Campus Dean's office may immediately suspend a student from participating in experiential rotations if the Dean's office feels a student may pose a risk to public safety due to criminal background check results, arrests, or convictions. If the student believes that the background check results are in error and can provide proof, the student will be given the opportunity to produce this proof.

Procedures:

- 14.2.1 All students will be required to sign a consent form which allows the College of Pharmacy to provide all background check reports to the South Carolina Board of Pharmacy and Experiential Rotation Preceptor(s)/site.
- 14.2.2 All arrests or convictions must be reported to the Associate Dean for Student Affairs and Diversity within 2 university business days of the event. The arrest or conviction may be reported to the South Carolina Board of Pharmacy by the College of Pharmacy. Additionally, students must notify the USC Office of Student Conduct within 72 hours of the event. Any student with an arrest or conviction may be placed on professional conduct probation by the Dean's office. Depending on the severity of the charges, the Dean may suspend the arrested or convicted student immediately until the charges have been resolved. The student case will be reviewed by the College of Pharmacy Student Policy & Professionalism Committee and a recommendation for resolution will be provided to the Dean.
- 14.2.3 If an arrested student fails to report the arrest or conviction within 2 university business days, then he/she may be subject to immediate suspension or dismissal from the College of Pharmacy.
- 14.2.4 Any official documentation related to arrests or convictions must be reported to the College of Pharmacy within 2 university business days of receipt. The Associate Dean for Student Affairs and Diversity will maintain documentation of Background Check reports and any documentation provided by the student. This documentation will be maintained in a file separate from the student's academic file.
- 14.2.5 Any student arrested or convicted for drug or alcohol related offenses may be required to seek counseling and/or educational services at the Recovering Professionals Program (RPP) and/or USC Counseling and Human Development Center (USC Campus). The student may be required to sign a release statement authorizing the College of Pharmacy Associate Dean for Student Affairs and Diversity to verify that the student has been compliant with attendance and therapy requirements developed by the case manager. If a student is required to perform random drug screening(s), then the student must report a copy of the results to the College of Pharmacy within 72 hours of receipt. Any expense incurred for the drug screenings will be the responsibility of the student.
- 14.2.6 If a student's pharmacy intern certificate is suspended, revoked, or voluntarily surrendered, the student may be suspended from the College of Pharmacy.
- 14.2.7 Further requirements that may be imposed upon the student can be found in the Chemical Impairment Policy.

14.3 Chemical Impairment Policy

The specific policies for alcohol and other drug abuse prevention and intervention for students enrolled in the College of Pharmacy are defined in the University of South Carolina academic bulletin and student handbook. *Carolina Community* provides additional guidelines, including notification of student rights under FERPA and other mandated notifications.

Health care professionals have a responsibility to the public to practice their professions free from chemical impairment or dependency. Student pharmacists in the College of Pharmacy begin providing care to patients from the time they enter the College of Pharmacy and, thus, are viewed as members of the pharmacy profession who are in training.

Chemical dependency is defined as psychological or physiological dependence on a psychoactive substance. Potential substances include alcohol, prescription and OTC drugs (obtained legally or illegally), and street drugs.

The purpose of this policy is to facilitate the identification of a student who may be chemically impaired, to promote appropriate treatment and recovery of these individuals, and to prevent patient harm from occurring.

Procedures:

- 14.3.1 College of Pharmacy students who suspect that they may be chemically impaired are encouraged to voluntarily report themselves to the Associate Dean for Student Affairs and Diversity.
- 14.3.2 It is the professional responsibility of all College of Pharmacy faculty, staff, and students to report or intervene in cases when they suspect a student to be chemically impaired. The Associate Dean for Student Affairs and Diversity should be notified in those cases where student impairment is suspected. Conduct that may suggest chemical impairment includes but is not limited to:
 - a decline in academic performance
 - changes in behavior
 - failure to carry out professional responsibilities
 - repeated tardiness or absenteeism
 - psychomotor deficiencies
 - observed intoxication
- 14.3.3 The Dean's Office will refer students suspected of chemical impairment for an immediate drug screen to occur within 24 hours of notification. Any expense incurred for the drug screen(s) will be the responsibility of the student. The student will also be referred to one or more of the following as appropriate: the Recovering Professional Program (RPP) and/or USC Counseling and Human Development Center.
- 14.3.4 The College of Pharmacy Dean's office may immediately suspend a chemically-impaired student from participating in experiential rotations due to the risk posed to public safety.
- 14.3.5 Referred students will be required to sign a statement allowing the College of Pharmacy to contact the recovery or counseling program in order to verify that the student has sought the service. In addition, the statement will allow the recovery or counseling program to discuss with the College of Pharmacy Deans appropriate recommendations for potential re-entry into the College of Pharmacy program by the student (if student is suspended).
- 14.3.6 A file separate from the student file in the Dean's Office will be kept on the chemically-impaired student. The Associate Dean for Student Affairs and Diversity will maintain this separate file.
- 14.3.7 Some of these counseling and educational services are offered at no cost to the student. If there is a cost associated with any of the services, it is the responsibility of the student.
- 14.3.8 The chemical impairment counselor will monitor the student's ongoing recovery and will notify the College of Pharmacy Associate Dean for Student Affairs and Diversity immediately should a student fail to comply with any aspect of his/her recovery and monitoring program. Ongoing monitoring will continue until such time as the student graduates or otherwise leaves the

College of Pharmacy. If a student does not comply with the monitoring requirements or tests positive for the substance(s) for which he/she is being monitored (including alcohol, illegal drugs or prescription drug), the College of Pharmacy will take appropriate action based on discussions between the program counselor and the Associate Dean for Student Affairs and Diversity. This action may include suspension or dismissal from the College of Pharmacy.

- 14.3.9 Participation in a recovery program does not make the chemically-impaired pharmacy student immune to legal proceedings for criminal acts involving drug misuse, or illegal use.
- 14.3.10 The academic standing of a chemically-impaired pharmacy student will not change while the student is on a leave of absence for therapy. If the student is academically ineligible to continue in the pharmacy curriculum, participation in the rehabilitation program will not preclude administrative action for dismissal from the College of Pharmacy for academic reasons.
- 14.3.11 If a student's pharmacy intern certificate is suspended, revoked, or voluntarily surrendered, the student may be suspended from the College of Pharmacy.

14.4 Student Sexual Harassment & Discrimination Policy

The College of Pharmacy will follow the policies of the University of South Carolina regarding sexual harassment and discrimination for students. *Carolina Community* provides additional guidelines, including notification of student rights under FERPA and other mandated notifications. The USC Sexual Harassment/Discrimination Policy can be located at <http://www.sc.edu/policies/ppm/eop102.pdf>.

14.5 Student Dress Code Policy

- 14.5.1 The College of Pharmacy student dress code is mandatory for all practice laboratories, all introductory and advanced pharmacy practice experiences, grand rounds/seminars, and professional events where students are representing the College of Pharmacy.
- 14.5.2 Students must adhere to individual course/pharmacy rotation site policies regarding site-specific ID badges.
- 14.5.3 All students are expected to be clean, neatly groomed and dressed in a professional (conservative) manner for experiential rotations and laboratory experiences. Students not wearing clothing deemed appropriate by a laboratory instructor will be warned at the first offense. A second offense may result in a grade reduction (please see specific laboratory syllabi for penalties related to inappropriate dress). In the experiential setting, students may be dismissed immediately if dressed inappropriately and asked to return in appropriate dress. Students will be required to make up this time away from rotation (refer to the attendance policies in the experiential manuals).
- 14.5.4 The following guidelines are appropriate for dress during laboratory and experiential rotations: students are required to wear a white, long sleeved jacket-length lab coat and ID badge attached at the collar or chest pocket of the lab coat. Non-USC College of Pharmacy/commercial logos and badges are not permitted on lab coats. Men are required to wear a dress shirt with tie, dress slacks, dress socks, and close-toed dress shoes. Women are required to wear a dress blouse or sweater with a skirt or dress slacks, or a dress and close-toed dress shoes. No attire (e.g., short skirts or dresses, tight fitting clothing, low-cut blouses), accessories (e.g., large jewelry, sunglasses) or behaviors (e.g., chewing gum, wearing excessive cologne or perfume) that may be deemed unsafe or distracting to other students, instructors, preceptors, health care team members or patients will be permitted.
- 14.5.5 Please note that individual practice sites may have a more rigorous dress code requirement. Students must adhere to specific preceptor/site requirements.
- 14.5.6 Appropriate dress is also expected in the classroom. Attire that may be deemed distracting to students, faculty or others (e.g., short shorts, skirts or dresses, tight fitting clothing, low-cut blouses, halter tops, midriffs) should not be worn in the classroom. Students wearing

inappropriate attire may be dismissed from class and/or reported to the Dean's Office for a professionalism violation.

14.6 Social Media Policy

The College of Pharmacy recognizes that social networking websites are popular means of communication. Students who use these websites must be aware that posting certain information is illegal. Violations of existing statutes and administrative regulations may expose the offender to criminal and civil liability, and the punishment for violations may include fines and imprisonment. Offenders also may be subject to adverse academic actions up to and including dismissal. Please be advised that the following actions are forbidden (i.e., are considered violations of the College of Pharmacy Student Professionalism Policy):

- 14.6.1 You may not discuss the personal health information of other individuals. Removal of an individual's name does not alone constitute proper de-identification of protected health information. Inclusion of data such as age, gender, race, diagnosis, date of evaluation, or type of treatment or the use of a highly specific medical photograph (such as a before/after photograph of a patient having surgery or a photograph of a patient from a medical outreach trip) may still allow the reader to recognize the identity of a specific individual.
- 14.6.2 You may not report private (protected) academic information of another student or trainee.
- 14.6.3 You may not present yourself as an official representative or spokesperson for the institution.
- 14.6.4 You may not access another person's online accounts without his/her permission.
- 14.6.5 You may not represent yourself as another person, real or fictitious, or otherwise attempt to obscure your identity as a means to circumvent any prohibitions listed in the Student Professionalism Policy.

In addition to these actions, the College of Pharmacy Student Professionalism Policy includes the following violations relevant to the use of social media:

- 14.6.6 knowingly distributing false information, statements, or accusations against another student, preceptor, or faculty/staff member
- 14.6.7 using electronic channels of communication to disseminate inappropriate or unprofessional comments regarding peers, preceptors, faculty, staff, patients, or participants in College of Pharmacy projects
- 14.6.8 verbal, written or electronic insults to College of Pharmacy administration, faculty, preceptors, staff, students, patients, or participants in College of Pharmacy projects
- 14.6.9 threats or acts of physical violence to College of Pharmacy administration, faculty, preceptors, staff, students, patients, or participants in College of Pharmacy projects
- 14.6.10 harassment, in any form, of College of Pharmacy administration, faculty, staff, preceptors, students, patients, or participants in College of Pharmacy projects
- 14.6.11 violating the confidentiality of a college committee by an appointed student representative serving on that committee
- 14.6.12 sharing of passwords for protected sites

Due to the prevalence of and types of information that can be displayed through social media (Facebook™, Twitter™, blogs, etc.) in today's society, the College offers the following social media use guidelines for students.

Avoid any activity on social media sites that could portray you, the College, the faculty and/or preceptors, the University or the pharmacy profession negatively. Some of the strongly discouraged actions include, but are not limited to:

- 14.6.13 the unprofessional display of vulgarity through written comments, photos, and/or affiliations
- 14.6.14 the unprofessional display of language or photos that indicate discriminatory bias against any individual or group because of age, race, gender, ethnicity, national origin, or sexual orientation
- 14.6.15 the unprofessional display of photos or language that condone the irresponsible use of alcohol, substance abuse, or sexual promiscuity
- 14.6.16 posting of inflammatory or unprofessional material on another individual's website
- 14.6.17 display of any language that degrades or disrespects patients

Those actions may be interpreted as violations of the College of Pharmacy Student Professionalism Policy. Furthermore, per HIPAA regulations, patient privacy must be maintained at all times regardless of the communication medium. This policy should not be construed to impair any constitutionally protected activity, including speech, protest or assembly.

14.7 Procedures for Professionalism Policy Violations

Any student, faculty, staff member, or individual associated with the College's academic programs may report a student for lack of professional behavior to the Associate Dean for Student Affairs and Diversity. Under usual circumstances, the incident should have been brought to the student's attention and resolution attempted before reporting the incident to the Associate Dean. Upon receiving a report regarding unprofessional behavior, the Associate Dean for Student Affairs and Diversity will determine the legitimacy of the report in accordance with his/her understanding of professional standards for behavior, the severity of the incident, and the urgency by which it needs to be addressed. Depending on the nature of the behavior, the Associate Dean for Student Affairs and Diversity may act on a single behavioral report or wait to act until he/she receives multiple reports of unprofessional behavior. In cases where the Associate Dean for Student Affairs and Diversity makes the decision to forgo disciplinary action(s), he/she will inform the student of the complaint of unprofessional behavior and that future complaints may result in disciplinary action. He/she will document each complaint, such that the information remains confidential. If the Associate Dean for Student Affairs and Diversity determines that disciplinary action is warranted, each case will be addressed in the following manner:

The Associate Dean for Student Affairs and Diversity will meet with the student to counsel him/her on the importance of professionalism and strategies to correct the unprofessional behavior. These strategies may include referral to the university student counseling services and adherence to any treatment plan that is recommended. The Associate Dean for Student Affairs and Diversity will also discuss the potential consequences for unprofessional behavior with the student. If a written warning is indicated, the student and Associate Dean for Student Affairs and Diversity will sign and date a Notification of Professionalism Policy Violation acknowledging the student's behavior and his/her awareness of the potential consequences for similar behavior in the future. This document will be placed in the student's file.

If the Associate Dean for Student Affairs and Diversity determines that the behavior may warrant a more stringent penalty, he/she will refer the student to the College of Pharmacy Student Policy & Professionalism Committee, where the incident will be discussed further. The Committee will provide disciplinary recommendation(s) to the Dean. These recommended penalties may include but are not limited to a written warning, placement on professional conduct probation, and suspension from the College of Pharmacy for up to one year, or dismissal from the College of Pharmacy. The Dean will then enforce the final penalty.

Professional conduct probation is defined as a designated time during which a student is under an official warning that subsequent violations of the professionalism policy or University rules, regulations, or policies are likely to result in a more severe sanction which may include suspension or dismissal from the

program. While on professional conduct probation, a student may be considered to be “not in good standing” and may face specific limitations, which may include but are not limited to:

- ineligibility for College of Pharmacy scholarships
- ineligibility to hold leadership positions in student organizations, class officer positions in the College of Pharmacy, or any university-wide leadership positions
- ineligibility to receive financial support from the College of Pharmacy to attend professional organization meetings
- ineligibility for assignment to practice sites considered Specialty Rotations by the Experiential Education Office. Students who are put on professional conduct probation after receiving a specialty rotation assignment may be removed from the rotation.

If the committee recommends suspension, the student may be suspended from the College of Pharmacy for up to one year. The same penalties for professional conduct probation apply to a student who is suspended for academic reasons. In addition, further issues with unprofessional behavior may result in dismissal from the College of Pharmacy. If the committee recommends dismissal, the student may be dismissed immediately from the College of Pharmacy.

Students may appeal the decision of the Student Policy and Professionalism Committee to suspend or dismiss the student to the Scholastic Standing and Petitions Committee. A final appeal can be made to the Dean of the College of Pharmacy. The Dean’s decision is final. Appeals must be received in writing directly to the Dean within 30 days of the notification of the sanction. In some instances, policies of the university may override or carry more stringent penalties based on the violation than the policies stated in this document. University policies will be enforced in these cases.

14.8 Eligibility for Federal Financial Aid & Scholarships

Students found in violation of the Arrest and/or Chemical Impairment policy may jeopardize their ability to receive federal financial aid for which they might otherwise be eligible. In addition, students found in violation of any College of Pharmacy policies may be prohibited from receiving a scholarship from the College of Pharmacy.

XV. Student Advisement & Mentorship

- 15.1 Each professional class will be assigned a faculty class advisor. This class advisor will be actively involved in orientation and should actively promote professionalism within the class; the class advisor should also serve as a problem solver for the class. The advisor may meet with class officers to plan class events such as community outreach activities. The faculty advisor follows the class throughout their academic career in the College of Pharmacy. The class advisors are appointed by the Associate Dean for Student Affairs and Diversity and approved by the Chair of the department of the faculty member.
- 15.2 College of Pharmacy faculty, preceptors and alumni will be encouraged to serve as career mentors. Career mentors serve as a contact person and career advisor to aid students in exploring the various career paths available upon graduation. The Associate Dean for Student Affairs and Diversity will develop and maintain a current list of career mentors available in electronic format to students.
- 15.3 Each year, sessions embedded within courses or conducted independently from courses will be scheduled by Track and Dual/Concurrent Degree Coordinators to showcase College of Pharmacy Tracks and Dual/Concurrent Degree Options. Elective sessions for each semester may be held by the Associate Dean for Student Affairs and Diversity or Senior Associate Dean via live, recording, or electronic posting methods. Information for Coordinators of College of Pharmacy Tracks, Dual/Concurrent degrees, and electives will be made readily available to students to provide detailed information and answer student questions. Course coordinators, teaching faculty, the faculty class advisor, and Deans of the College will

be available to provide support to students if academic advice or additional student support is requested by the student.

- 15.4 P1, P2, and P3 students will attend annually an E-Portfolio review with a small group of students or individually lead by a faculty member. This review is utilized to discuss student progress and assessment of the academic year's curriculum and experiences as well as future career direction. The faculty member will assist the students with relating their experiences to the ACPE Standards, CAPE Outcomes, and College-specific desired outcomes.

XVI. Student Grievance Policies

16.1 Individual Problems

When a student is experiencing a problem with any member of the college's faculty or administration, the following process should be carried out. Prior to each step in the process, the student should seek advice from his or her class faculty advisor.

1. Make an appointment with the individual with whom the problem exists, explain the problem, and try to resolve it.
2. If the problem cannot be resolved directly, the student should then contact the individual's supervisor.
3. If the problem is still unresolved, the student should make an appointment to meet with the Senior Associate Dean. The Senior Associate Dean will review the complaint and intervene if college or university policies have been violated. The Senior Associate Dean will maintain a file of all such reported grievances and their outcomes. Situations that have not been resolved at this point will be referred to the College of Pharmacy Grievance Committee for final review and action.

16.2 Class Problems

When a class feels that there is a problem affecting the class as a whole, the following process should be carried out. Prior to each step in the process, the class president should seek advice from the class faculty advisor.

1. The president should announce and hold a class meeting. Identify the problem(s), clearly reduce them to writing, and ensure that the class is in agreement by simple majority vote. If so, the class president should forward this written statement to the individual(s) involved and request a meeting. If the class president is unsure of whom to contact, he/she should consult the Associate Dean for Student Affairs and Diversity.
2. If a satisfactory understanding or solution is not obtained at this level, the class president should then contact the individual's supervisor.
3. If the problem is still unresolved, the class president should make an appointment to meet with the Senior Associate Dean. The Senior Associate Dean will review the complaint and intervene if college or university policies have been violated. The Senior Associate Dean will maintain a file of all such reported grievances and their outcomes. Situations that have not been resolved at this point will be referred to the College of Pharmacy Grievance Committee for final review and action.

XVII. Accreditation Policies

17.1 Accreditation Council for Pharmacy Education (ACPE) Disclosure Statement

The University of South Carolina College of Pharmacy's Doctor of Pharmacy program has been granted accredited status by the Accreditation Council for Pharmacy Education, 135 S. LaSalle Street, Suite 4100, Chicago, IL 60603-4810, (312)664-3575; FAX (866)228-2631, web site www.acpe-accredit.org.

In addition to the ACPE accreditation, the college has received accreditations from the American Society of Health-Systems Pharmacists (ASHP) and the American Association of Poison Control Centers (AAPCC). The South Carolina Commission on Higher Education has also approved the Pharm.D. program.

17.2 Accreditation Issue Procedures

Issues, questions, comments or complaints pertaining to accreditation should be directed to the Associate Dean for Outcomes Assessment and Accreditation. The College will keep a file of all communications related to accreditation. If issues or complaints have not been satisfactorily resolved at the College the Accreditation Council for Pharmacy Education's (ACPE) may be contacted via email: csinfo@acpe-accredit.org. The Accreditation Council for Pharmacy Education has offices at 135 South LaSalle Street, Suite 4100, Chicago, IL. 60603-4810. They may be contacted by phone at (312)664-3575, by fax at (866) 228-2631, or via their Web site: www.acpe-accredit.org.

XVIII. Educational Outcomes for the University of South Carolina College of Pharmacy Doctor of Pharmacy Graduate

18.1 Domain 1 – Foundational Knowledge

18.1.1 **Learner (Learner)** - Develop, integrate, and apply knowledge from the foundational sciences (i.e., **pharmaceutical, social/behavioral/administrative, *** and **clinical sciences**) to evaluate the scientific literature, explain drug action, solve therapeutic problems, and advance population health and **patient-centered care**.

18.2 Domain 2 – Essentials for Practice and Care

18.2.1 **Patient-centered care (Caregiver)** - Provide **patient-centered care** as the medication expert (collect and interpret evidence, prioritize, formulate assessments and recommendations, implement, monitor and adjust plans, and document activities).

18.2.2. **Medication use systems management (Manager)** - Manage patient healthcare needs using human, financial, technological, and physical resources to optimize the safety and efficacy of medication use systems.

18.2.3. **Health and wellness (Promoter)** - Design prevention, intervention, and educational strategies for individuals and communities to manage chronic disease and improve health and wellness.

18.2.4. **Population-based care (Provider)** - Describe how **population-based care** influences **patient-centered care** and influences the development of practice guidelines and evidence-based best practices.

18.3 Domain 3 - Approach to Practice and Care

18.3.1. **Problem Solving (Problem Solver)** – Identify problems; explore and prioritize potential strategies; and design, implement, and evaluate a viable solution.

18.3.2. **Educator (Educator)** – Educate all audiences by determining the most effective and enduring ways to impart information and assess understanding.

18.3.3. **Patient Advocacy (Advocate)** - Assure that patients' best interests are represented.

- 18.3.4. **Interprofessional collaboration (Collaborator)** – Actively participate and engage as a healthcare team member by demonstrating mutual respect, understanding, and values to meet patient care needs.
- 18.3.5. **Cultural sensitivity (Includer)** - Recognize ***social determinants of health*** to diminish disparities and inequities in access to quality care.
- 18.3.6. **Communication (Communicator)** – Effectively communicate verbally and nonverbally when interacting with an individual, group, or organization.

18.4 Domain 4 – Personal and Professional Development

- 18.4.1. **Self-awareness (Self-aware)** – Examine and reflect on personal knowledge, skills, abilities, beliefs, biases, motivation, and emotions that could enhance or limit personal and professional growth.
- 18.4.2. **Leadership (Leader)** - Demonstrate responsibility for creating and achieving shared goals, regardless of position.
- 18.4.3. **Innovation and Entrepreneurship (Innovator)** - Engage in innovative activities by using creative thinking to envision better ways of accomplishing professional goals.
- 18.4.4. **Professionalism (Professional)** - Exhibit behaviors and values that are consistent with the trust given to the profession by patients, other healthcare providers, and society.

*Terms that are bolded and italicized are defined in the glossary of the Center for the Advancement of Pharmacy Education (CAPE) Educational Outcomes 2013 at

<http://www.aacp.org/resources/education/cape/Open%20Access%20Documents/CAPEoutcomes2013.pdf>

XIX. USC College of Pharmacy Pharm.D. Curriculum

For students entering program in Fall 2016 and beyond

Approved by the USC faculty December 16, 2015

Fall P1 (semester 1)		Course #	Hours	Spring P1 (semester 2)		Course #	Hours
Foundations of Pathophysiology & Pharmacology I		PHMY 602	2	Foundations of Pathophysiology & Pharmacology II		PHMY 603	3
Foundations of Pharmaceutical Chemistry & Pharmacogenomics		PHMY 621	3	Foundations of Pharmaceutical Chemistry & Pharmacogenomics II		PHMY 622	4
Dosage Forms and Drug Delivery Systems		PHMY 607	4	Pharmaceutical Biotechnology		PHMY 616	2
Pharmaceutical Biochemistry		PHMY 615	3	Self-Care and Complementary Med.		PHMY 750	4
Introduction to Pharmacy Practice		PHMY 650	2	Transforming Health Care		PHMY 690	2
Pharmacy Calculations		PHMY 656	1	Clinical Applications II		PHMY 661	1
Medical Terminology		PHMY 657	1	Intro. to Community Pharmacy Lab I		PHMY 670	1
Introduction to Drug Information		PHMY 680	1				17
Compounding & Applied Pharmaceutics Lab		PHMY 671	1				
			18				
Summer P1							
Introductory Pharmacy Practice Experience - Community			PHMY 699	4			
Fall P2 (semester 3)		Course #	Hours	Spring P2 (semester 4)		Course #	Hours
Pathophysiology & Pharmacology I		PHMY 722	3	Pathophysiology & Pharmacology II		PHMY 723	3
Pharmacotherapy I		PHMY 772	4	Pharmacotherapy II		PHMY 773	4
Microbiology & Immunology		PHMY 610	4	Clinical Pharmacokinetics		PHMY 890	3
Biopharmaceutics and Pharmacokinetics		PHMY 710	3	Outcomes Design and Assessment		PHMY 780	3
Intro. to Health Systems Lab		PHMY 790	1	Applied Health Systems Lab		PHMY 791	1
Clinical Applications III		PHMY 760	1	Clinical Applications IV		PHMY 761	1
Elective*			1 - 3	Elective*			1 - 3
			17 - 19				16 - 18
Summer P2							
Introductory Pharmacy Practice Experience - Hospital			PHMY 798	4			
Fall P3 (semester 5)		Course #	Hours	Spring P3 (semester 6)		Course #	Hours
Pathophysiology & Pharmacology III		PHMY 822	3	Pathophysiology & Pharmacology IV		PHMY 823	2
Pharmacotherapy III		PHMY 873	4	Pharmacotherapy IV		PHMY 874	5
Health Care Systems and Management		PHMY 850	4	Pharmacy Law and Ethics		PHMY 885	3
Advanced Drug Information		PHMY 880	2	Clinical Assessment		PHMY 895	3
Clinical Applications V		PHMY 860	1	Clinical Applications VI		PHMY 861	1
Applied Community Pharmacy Lab		PHMY 771	1	Elective*			1 - 3
Elective*			1 - 3				15 -
			17				
			16 - 18				
Summer P4 (semester 7)							
APPE x 1 - 4			PHMY XXX	4 - 12			
Fall P4 (semester 8)				Spring P4 (semester 9)			
APPE x 3 - 4		PHMY XXX	12 - 16	APPE x 3 - 4		PHMY XXX	12 - 16
P4 (semester 7, 8 or 9)							
Clinical Seminar/Grand Rounds		PHMY 999	1				
Total Hours (P4 year)			37				
Minimum Total Hours for the Professional Program 148			(Minimum Total Hours including PrePharmacy)			214	

*Typically, electives range from 1 to 3 credit hours. Students must complete 8 hours of electives by the end of the third professional Pharm.D. year.

- Minimum 300 hours of Introductory Practice Experiential Experience (IPPE) (as required by ACPE) will be satisfied by two 4-credit (four week) rotations in the summers of the P1 and P2 years. PHMY 699 requires a minimum of 160 hours for each IPPE.
- Minimum 1440 hours of Advanced Practice Experiential Experience (APPE) (as required by ACPE) will be satisfied by nine 4-credit (one month) rotations in the P4 year. Refer to the APPE Rotation Manual for PHMY 9xx requirements for rotation hours for each month. Rotations include: 2 acute/general medicine rotations (critical care, pediatrics, psychiatry, general medicine, internal medicine, cardiology, neurology, nephrology, transplantation, etc.), 1 ambulatory care rotation, 1 community rotation, 1 hospital/health system rotation, and 4 elective rotations.
- One 1-credit Clinical Seminar/Grand Rounds (PHMY 999) will be required during the P4 year.
- Clinical Applications II-V are recitations designed to bring clinical relevance to basic and applied pharmaceutical science principles in a case-based format.
- Clinical Applications VI is a recitation designed as a "capstone" course, where case studies of complex patients will bring together concepts learned throughout the previous professional years.
- Students may be required to submit a criminal background check and/or a drug test prior to beginning an introductory or advanced pharmacy practice experience.
- All students are required to complete Basic Life Support for Healthcare Providers training prior to the P2 summer IPPE.

XX. College of Pharmacy Course Descriptions

Descriptions below provide an overview of the courses taught in the professional Pharm.D. curriculum. More in-depth descriptions will be provided in the course syllabi.

20.1 College of Pharmacy Core Courses

Descriptions below provide an overview of the courses taught in the professional Pharm.D. curriculum. More in-depth descriptions will be provided in the course syllabi.

Fall P1	PHMY 602: Foundations of Pathophysiology and Pharmacology I An introduction to the basic principles and concepts of physiology, pathophysiology, and pharmacology. Course Format: Lecture format, 2 credit hours. Prerequisite: first year professional standing.
	PHMY 607: Dosage Forms and Drug Delivery Systems A study of the physiochemical principles of the formulation, preparation, properties, and performance of the pharmaceutical dosage forms Clinical application of the various dosage forms in patient care will be discussed. Course Format: Lecture format, 4 credit hours. Prerequisite: first professional year standing.
	PHMY 615: Pharmaceutical Biochemistry The course covers the molecular and biochemical basis of human biology and physiology. The properties and functions of biological molecules and biochemical pathways are covered. Emphasis is placed on the molecular basis of human physiology, causes of human diseases, and how drugs produce biological effects. Course Format: Lecture format, 3 credit hours. Prerequisite: first professional year standing.
	PHMY 621: Pharmaceutical Chemistry and Pharmacogenomics I This course includes an introduction to the basic principles and concepts of pharmaceutical chemistry and pharmacogenomics including the relationships of molecular structure to drug absorption, distribution, metabolism and excretion. The chemical rationale for drug therapeutic actions and side effects as well as the pharmacogenomics basis for individualized drug therapy is discussed. Course Format: Lecture format, 3 credit hours. Prerequisite: first professional year standing.
	PHMY 650: Introduction to Pharmacy Practice Introduction to the professional issues relevant to the practice of pharmacy. Course Format: Lecture format, 2 credit hours. Prerequisite: first professional year standing.
	PHMY 656: Pharmacy Calculations This course develops the mathematic skills and knowledge required in various pharmacy practice settings. Problem solving skills will be developed as students become proficient in basic math skills used to solve pharmacy calculations based word problems which are commonly seen in a variety of practice settings, including community, compounding, hospital, and nuclear pharmacy. Course Format: Lecture and recitation format, 1 credit hour. Prerequisite: first professional year standing.
	PHMY 657: Medical Terminology A thorough knowledge of medical terminology is an essential building block in pharmacy education. This web-based course will aid the student in learning the language and terminology used in other pharmacy courses and all areas of pharmacy practice. Course Format: Self-study requirement, 1 credit hour. Prerequisite: first professional year standing.
	PHMY 671: Pharmacy Skills Lab I: Compounding and Applied Pharmaceutics The art, science, and technology of pharmacy compounding. Course Format: Laboratory format, 1 credit hour. Prerequisite: first professional year standing.

	<p>PHMY 680: Introduction to Drug Information Basic principles of access and utilization of drug information resources. Course Format: Lecture/online format, 1 credit hour. Prerequisite: first professional year standing.</p>
Spring P1	<p>PHMY 603: Foundations of Pathophysiology and Pharmacology II This is the second course in the series addressing the basic principles and concepts of physiology, pathophysiology and pharmacology. Course Format: Lecture format, 3 credit hours. Prerequisites: PHMY 602; first professional year standing.</p>
	<p>PHMY 616: Pharmaceutical Biotechnology The course focuses on nucleic acids as the core theme and examines the pathways used for transmission and expression of genetic information. Topics also include the cell cycle (mitosis) and gametogenesis (meiosis). Recombinant DNA technology is covered as applied to the study of human health such as personalized medicine, genetic testing, stem cell therapy, gene therapy, RNA silencing, and production of biopharmaceuticals. Antibodies are discussed from the perspective of their use in diagnostic testing, as well as the utilization of antibodies as therapeutics. Course Format: Lecture format, 2 credit hours. Prerequisites: first professional year standing.</p>
	<p>PHMY 622: Pharmaceutical Chemistry and Pharmacogenomics II This is the second of the two course series addressing the pharmaceutical chemistry and pharmacogenomics of drugs. Emphasis is placed on the molecular basis of pharmacotherapeutic actions. The chemical mechanisms of drug therapeutic actions and side effects as well as the pharmacogenomic basis of individualized drug therapy are discussed. Course Format: Lecture format, 4 credit hours. Prerequisites: PHMY 621; first professional year standing.</p>
	<p>PHMY 661: Clinical Applications II Case-based discussions that integrate and demonstrate applicability of other course material. Course Format: Recitation format, 1 credit hour. Prerequisite: first professional year standing.</p>
	<p>PHMY 670: Pharmacy Skill Lab II: Introduction to Community Pharmacy Interactive laboratory session designed to provide students with a thorough understanding of community pharmacy practice skills, to include the knowledge of prescription and drug order processing necessary to function in community pharmacy practice at a basic level. Course Format: 1 credit hour. Laboratory format in three-hour session. Prerequisite: first professional year standing.</p>
	<p>PHMY 690 (IP 710): Transforming Healthcare for the Future The course goal is to lay the foundations for beginning health professions students to understand the complexities of the health care system and the role of interprofessional collaboration to improve the system. Through an interprofessional context, students will explore the art and science of teamwork and communication skills, cultural competency, ethical issues, healthcare disparities and social determinants of health, as well as develop ways to improve healthcare systems and patient safety. Course Format: Blended course primarily online with several live sessions to facilitate interactive student engagement, 2 credit hours. Taught as a Pass/Fail. Prerequisite: first professional year standing.</p>
	<p>PHMY 750: Self-Care and Complementary Medicines A review of indications, contraindications, and cautions involved with the recommendation and dispensing of nonprescription (OTC) drug items and complementary medicines. Course Format: Team-based format, 4 credit hours. Prerequisite: first professional year standing.</p>
Summer P1	<p>PHMY 699: Introductory Pharmacy Practice Experience - Community Introduction to the practice of the pharmacy in the community pharmacy setting. Forty hours of directed experience per week for four weeks. Course Format: Practice experience, 4 credit hours. Pass/Fail. Prerequisite: first professional year standing, PHMY 670, PHMY 671.</p>

Fall P2	<p>PHMY 610: Microbiology/Immunology Introduction to the role of immunology in human disease and the properties, resistance patterns, diagnostic tools and clinical pearls of common (and not so common) bacterial, viral, fungal and parasitic infectious agents. Course Format: Lecture format, 4 credit hours. Prerequisite: second professional year standing.</p>
	<p>PHMY 710: Biopharmaceutics and Pharmacokinetics Study of the pharmacokinetics of drug absorption, distribution, and elimination (metabolism and excretion). Introductory application of pharmacokinetics to drug interactions and dosage regimen design and adjustment, selected disease states, and special populations. Course Format: Lecture format, 3 credit hours. Prerequisites: PHMY 606; second professional year standing.</p>
	<p>PHMY 722: Pathophysiology & Pharmacology I The first course in a series that applies pathophysiology and pharmacology principles introduced in the foundations courses in the first year in an organ-based approach. The course is designed to integrate organ system pathophysiology and pharmacology with pharmacotherapy. Course Format: Lecture format, 3 credit hours. Prerequisite: second professional year standing.</p>
	<p>PHMY 760: Clinical Applications III Case-based discussions that integrate and demonstrate applicability of other course material in patient care. Course Format: Recitation format, 1 credit hour. Prerequisite: second professional year standing.</p>
	<p>PHMY 772: Pharmacotherapy I This course is the first in a 4-semester sequence of courses providing a systems-based approach to pharmaceutical care and disease management. Students will learn about disease prevention and health promotion, as well as the drug and non-drug therapy of acute and chronic diseases seen in both hospitalized and ambulatory patients. Emphasis is placed on preventing, identifying, and solving drug-related problems. This course is coordinated with Pathophysiology and Pharmacology I. Course Format: Lecture format, 4 credit hours. Prerequisite: second professional year standing.</p>
	<p>PHMY 790: Pharmacy Skills Lab III: Introduction to Health-Systems Pharmacy Exposes students to the practice of pharmacy while also illustrating how theoretical concepts from the basic pharmaceutical sciences relate to daily pharmacy practice, especially in institutional settings. This lab focuses on understanding of medical chart evaluation with emphasis on drug therapy monitoring and developing skills in different aspects of hospital pharmacy (sterile product preparation, unit dose, prepackaging and compounding, order entry, and cart-fill). Course Format: Laboratory format, 1 credit hour. Prerequisite: second professional year standing.</p>
Spring P2	<p>PHMY 723: Pathophysiology & Pharmacology II The second course in a series that applies pathophysiology and pharmacology concepts introduced in the foundations courses in the first year in an organ-based approach. The course is designed to integrate organ system pathophysiology and pharmacology with pharmacotherapy. Course Format: Lecture format, 3 credit hours. Prerequisites: PHMY 722; second professional year standing.</p>
	<p>PHMY 761: Clinical Applications IV Case-based discussions that integrate and demonstrate applicability of other course material in patient care. Course Format: 1 credit hour. Recitation format in 2-hour session. Prerequisite: second professional year standing.</p>
	<p>PHMY 773: Pharmacotherapy II This course is the second in a 4-semester sequence of courses providing a systems-based approach to pharmaceutical care and disease management. Students will learn about disease prevention and health promotion, as well as the drug and non-drug therapy of acute and chronic diseases seen in both hospitalized and ambulatory patients. Emphasis is placed on preventing, identifying, and solving drug-related problems. This course is coordinated with Pathophysiology and Pharmacology II. Course Format: Lecture format, 4 credit hours. Prerequisites: PHMY 772; second professional year standing.</p>

	<p>PHMY 780: Outcomes Design and Assessment Common statistical methods and study designs used in pharmacoepidemiology and outcomes research, as well as to issues related to the measurement, analysis, and interpretation of results of clinical trials and outcomes studies. Course Format: Lecture format, 3 credit hours. Prerequisite: second professional year standing.</p>
	<p>PHMY 791: Pharmacy Skills Lab IV: Applied Health-Systems Pharmacy Exposes students to the practice of pharmacy while also illustrating how theoretical concepts from the basic pharmaceutical sciences relate to daily pharmacy practice, especially in the institutional setting. Students must successfully complete media fill IV preparation. Course Format: Laboratory format, 1 credit hour. Prerequisites: PHMY 790; second professional year standing.</p>
	<p>PHMY 890: Clinical Pharmacokinetics Clinical application of basic pharmacokinetic principles to safe and effective patient management with emphasis on design of dosage regimens, therapeutic monitoring, and adjustment of therapy. Application illustrated and practiced through discussions and case examples. Course Format: Lecture format, 3 credit hours. Prerequisites: PHMY 710; second professional year standing.</p>
Summer P2	<p>PHMY 798: Introductory Pharmacy Practice Experience - Hospital Introduction to the practice of the pharmacy in the institutional setting. Forty hours of directed experience per week for four weeks. Course Format: Practice experience, 4 credit hours. Pass/Fail. Prerequisite: second professional year standing, PHMY 790, PHMY 791.</p>
Fall P3	<p>PHMY 771: Pharmacy Skills Lab V: Applied Community Pharmacy Provide students with an advanced knowledge of prescription and drug order processing, and assist them in the development of appropriate skills necessary for provision of pharmaceutical care to patients in the community setting, through the use of medication profiles, patient counseling, personal interviews, and appropriate prescription and non-prescription drug information. Course Format: Laboratory, 1 credit hour. Prerequisites: PHMY 670; third professional year standing.</p>
	<p>PHMY 822: Pathophysiology & Pharmacology III This is the third in a 4-semester sequence of courses aimed at integrating the discussion of specific disease states and the mechanism of action of the pharmacologic agents used to treat those disease states. This knowledge will be integrated, utilized and applied in a parallel sequence of courses in Pharmacotherapy using an organ-system based approach emphasizing pharmaceutical care and disease management. Course Format: Lecture format, 3 credit hours. Prerequisites: PHMY 722/723; third year professional standing.</p>
	<p>PHMY 850: Health Care Systems and Management This course provides insight and understanding of the U.S. health care system and pharmacy's role within that system. Managerial skills and concepts are taught to allow pharmacists to maximize their contribution to this health care system and to the patients it serves. Course Format: Lecture format, 4 credit hours. Prerequisite: third professional year standing.</p>
	<p>PHMY 860: Clinical Applications V Case-based discussions that integrate and demonstrate applicability of other course material in patient care. Course Format: Recitation format, 1 credit hour. Prerequisite: third professional year standing.</p>
	<p>PHMY 873: Pharmacotherapy III This course is the third in a 4-semester sequence of courses providing a systems-based approach to pharmaceutical care and disease management. Students will learn about disease prevention and health promotion, as well as the drug and non-drug therapy of acute and chronic diseases seen in both hospitalized and ambulatory patients. Emphasis is placed on preventing, identifying, and solving drug-related problems. This course is coordinated with PHMY 822, Pathophysiology and Pharmacology III. Course Format: Lecture format, 4 credit hours. Prerequisites: PHMY 772/773; third professional year standing.</p>

	<p>PHMY 880: Advanced Drug Information This course is designed to provide students with advanced drug information practice and critical literature evaluation skills. This course provides students with the requisite skills to facilitate life-long learning. Course Format: Lecture format, 2 credit hours. Prerequisites: PHMY 680; third professional year standing.</p>
Spring P3	<p>PHMY 823: Pathophysiology & Pharmacology IV This is the fourth in a 4-semester sequence of courses aimed at integrating the discussion of specific disease states and the mechanism of action of the pharmacologic agents used to treat those disease states. This knowledge will be integrated, utilized and applied in a parallel sequence of courses in Pharmacotherapy using an organ-system based approach emphasizing pharmaceutical care and disease management. Course Format: Lecture format, 2 credit hours. Prerequisites: PHMY 822; third year professional standing.</p>
	<p>PHMY 861: Clinical Applications VI A capstone course, where case studies of complex patients and additional application exercises will bring together concepts learned throughout the previous semesters in the professional program. Course Format: Recitation format, 1 credit hour. Prerequisite: third professional year standing.</p>
	<p>PHMY 874: Pharmacotherapy IV This course is the fourth in a 4-semester sequence of courses providing a systems-based approach to pharmaceutical care and disease management. Students will learn about disease prevention and health promotion, as well as the drug and non-drug therapy of acute and chronic diseases seen in both hospitalized and ambulatory patients. Emphasis is placed on preventing, identifying, and solving drug-related problems. This course is coordinated with PHMY 823, Pathophysiology and Pharmacology IV. Course Format: Lecture format, 5 credit hours. Prerequisites: PHMY 873; third professional year standing.</p>
	<p>PHMY 885: Pharmacy Law and Ethics Federal and state laws and regulations governing the practice of pharmacy and introduction to the professional and ethical issues relevant to the practice of pharmacy. Course Format: Lecture and case study format, 3 credit hours. Prerequisite: third professional year standing.</p>
	<p>PHMY 895: Clinical Assessment Development of clinical assessment skills necessary in the provision of pharmaceutical care to patients with a variety of disease states. Course Format: Lecture and laboratory format, 3 credit hours. Prerequisite: third professional year standing.</p>

20.2 College of Pharmacy Advanced Pharmacy Practice Experiences

Descriptions below provide an overview of the APPEs available in the professional Pharm.D. curriculum. Individual course syllabi should be referred to for site-specific expectations.

P4 APPEs	<p>PHMY 963 Acute/General Medicine Pharmacy Practice Experience I This required advanced pharmacy practice experience (APPE) provides clinical pharmacy activity on a variety of adult and pediatric medicine inpatient services including cardiology, critical care, emergency medicine, geriatrics, gastrointestinal, infectious disease, nephrology, OB-GYN, oncology, psychiatry, pulmonary and transplant. The APPE provides an exposure to a variety of disease states that allows the student to gain experience monitoring drug therapy and to participate in the therapeutic decision making process. Additional competencies to be achieved during this APPE include: (1) how to develop a problem list, (2) how to present a patient, (3) how to develop and implement a monitoring plan, (4) how to take a medication history, (5) how to respond to a drug information request, and (6) review the policies and procedures at the institution. Course Format: 4 credit hours; one month of supervised advanced pharmacy practice for at least 40 hours per week. Prerequisite: fourth professional year standing.</p>
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	<p>PHMY 964 Acute/General Medicine Pharmacy Practice Experience II This required advanced pharmacy practice experience (APPE) provides clinical pharmacy activity on a variety of adult and pediatric medicine inpatient services including cardiology, critical care, emergency medicine, geriatrics, gastrointestinal, infectious disease, nephrology, OB-GYN, oncology, psychiatry, pulmonary and transplant. The APPE provides an exposure to a variety of disease states that allows the student to gain experience monitoring drug therapy and to participate in the therapeutic decision making process. Additional competencies to be achieved during this APPE include: (1) how to develop a problem list, (2) how to present a patient, (3) how to develop and implement a monitoring plan, (4) how to take a medication history, (5) how to respond to a drug information request, and (6) review the policies and procedures at the institution. Course Format: 4 credit hours; one month of supervised advanced pharmacy practice for at least 40 hours per week. Prerequisite: fourth professional year standing.</p>
	<p>PHMY 965 Acute/General Medicine Pharmacy Practice Experience III This advanced pharmacy practice experience (APPE) provides additional clinical pharmacy activity on a variety of adult and pediatric medicine inpatient services including cardiology, critical care, emergency medicine, geriatrics, gastrointestinal, infectious disease, nephrology, OB-GYN, oncology, psychiatry, pulmonary and transplant. The APPE provides an exposure to a variety of disease states that allows the student to gain experience monitoring drug therapy and to participate in the therapeutic decision making process. Additional competencies to be achieved during this APPE include: (1) how to develop a problem list, (2) how to present a patient, (3) how to develop and implement a monitoring plan, (4) how to take a medication history, (5) how to respond to a drug information request, and (6) review the policies and procedures at the institution. Course Format: 4 credit hours; one month of supervised advanced pharmacy practice for at least 40 hours per week. Prerequisite: fourth professional year standing.</p>
	<p>PHMY 966 Acute/General Medicine Pharmacy Practice Experience IV This advanced pharmacy practice experience (APPE) provides additional clinical pharmacy activity on a variety of adult and pediatric medicine inpatient services including cardiology, critical care, emergency medicine, geriatrics, gastrointestinal, infectious disease, nephrology, OB-GYN, oncology, psychiatry, pulmonary and transplant. The APPE provides an exposure to a variety of disease states that allows the student to gain experience monitoring drug therapy and to participate in the therapeutic decision making process. Additional competencies to be achieved during this APPE include: (1) how to develop a problem list, (2) how to present a patient, (3) how to develop and implement a monitoring plan, (4) how to take a medication history, (5) how to respond to a drug information request, and (6) review the policies and procedures at the institution. Course Format: 4 credit hours; one month of supervised advanced pharmacy practice for at least 40 hours per week. Prerequisite: fourth professional year standing.</p>
	<p>PHMY 967 Acute/General Medicine Pharmacy Practice Experience V This advanced pharmacy practice experience (APPE) provides additional clinical pharmacy activity on a variety of adult and pediatric medicine inpatient services including cardiology, critical care, emergency medicine, geriatrics, gastrointestinal, infectious disease, nephrology, OB-GYN, oncology, psychiatry, pulmonary and transplant. The APPE provides an exposure to a variety of disease states that allows the student to gain experience monitoring drug therapy and to participate in the therapeutic decision making process. Additional competencies to be achieved during this APPE include: (1) how to develop a problem list, (2) how to present a patient, (3) how to develop and implement a monitoring plan, (4) how to take a medication history, (5) how to respond to a drug information request, and (6) review the policies and procedures at the institution. Course Format: 4 credit hours; one month of supervised advanced pharmacy practice for at least 40 hours per week. Prerequisite: fourth professional year standing.</p>
	<p>PHMY 968 Acute/General Medicine Pharmacy Practice Experience VI This advanced pharmacy practice experience (APPE) provides additional clinical pharmacy activity on a variety of adult and pediatric medicine inpatient services including cardiology, critical care,</p>

	<p>emergency medicine, geriatrics, gastrointestinal, infectious disease, nephrology, OB-GYN, oncology, psychiatry, pulmonary and transplant. The APPE provides an exposure to a variety of disease states that allows the student to gain experience monitoring drug therapy and to participate in the therapeutic decision making process. Additional competencies to be achieved during this APPE include: (1) how to develop a problem list, (2) how to present a patient, (3) how to develop and implement a monitoring plan, (4) how to take a medication history, (5) how to respond to a drug information request, and (6) review the policies and procedures at the institution. Course Format: 4 credit hours; one month of supervised advanced pharmacy practice for at least 40 hours per week. Prerequisite: fourth professional year standing.</p>
	<p>PHMY 969 Acute/General Medicine Pharmacy Practice Experience VII This advanced pharmacy practice experience (APPE) provides additional clinical pharmacy activity on a variety of adult and pediatric medicine inpatient services including cardiology, critical care, emergency medicine, geriatrics, gastrointestinal, infectious disease, nephrology, OB-GYN, oncology, psychiatry, pulmonary and transplant. The APPE provides an exposure to a variety of disease states that allows the student to gain experience monitoring drug therapy and to participate in the therapeutic decision making process. Additional competencies to be achieved during this APPE include: (1) how to develop a problem list, (2) how to present a patient, (3) how to develop and implement a monitoring plan, (4) how to take a medication history, (5) how to respond to a drug information request, and (6) review the policies and procedures at the institution. Course Format: 4 credit hours; one month of supervised advanced pharmacy practice for at least 40 hours per week. Prerequisite: fourth professional year standing.</p>
	<p>PHMY 970: Ambulatory Care Pharmacy Practice Experience I This required advanced pharmacy practice experience (APPE) involves the student in the daily provision of clinical pharmacy services in the ambulatory care setting including anticoagulation, geriatrics, HIV, Indian Health Services, oncology, pain management, and primary care. Responsibilities include providing drug therapy for disease states commonly encountered in the outpatient setting, providing drug regimen reviews, physical assessment and interviewing patients to elicit drug histories, health status, and adherence to therapy. A significant aspect of this rotation pertains to the long-term management of chronically ill patients. Course Format: 4 credit hours; one month of supervised advanced pharmacy practice for at least 40 hours per week. Prerequisite: fourth professional year standing.</p>
	<p>PHMY 971: Ambulatory Care Pharmacy Practice Experience II This advanced pharmacy practice experience (APPE) involves the student in the daily provision of clinical pharmacy services in the ambulatory care setting including anticoagulation, geriatrics, HIV, Indian Health Services, oncology, pain management, and primary care. Responsibilities include providing drug therapy for disease states commonly encountered in the outpatient setting, providing drug regimen reviews, physical assessment and interviewing patients to elicit drug histories, health status, and adherence to therapy. A significant aspect of this rotation pertains to the long-term management of chronically ill patients. Course Format: 4 credit hours; one month of supervised advanced pharmacy practice for at least 40 hours per week. Prerequisite: fourth professional year standing.</p>
	<p>PHMY 972: Ambulatory Care Pharmacy Practice Experience III This advanced pharmacy practice experience (APPE) involves the student in the daily provision of clinical pharmacy services in the ambulatory care setting including anticoagulation, geriatrics, HIV, Indian Health Services, oncology, pain management, and primary care. Responsibilities include providing drug therapy for disease states commonly encountered in the outpatient setting, providing drug regimen reviews, physical assessment and interviewing patients to elicit drug histories, health status, and adherence to therapy. A significant aspect of this rotation pertains to the long-term management of chronically ill patients. Course Format: 4 credit hours; one month of supervised advanced pharmacy practice for at least 40 hours per week. Prerequisite: fourth professional year standing.</p>

	<p>PHMY 973: Ambulatory Care Pharmacy Practice Experience IV This advanced pharmacy practice experience (APPE) involves the student in the daily provision of clinical pharmacy services in the ambulatory care setting including anticoagulation, geriatrics, HIV, Indian Health Services, oncology, pain management, and primary care. Responsibilities include providing drug therapy for disease states commonly encountered in the outpatient setting, providing drug regimen reviews, physical assessment and interviewing patients to elicit drug histories, health status, and adherence to therapy. A significant aspect of this rotation pertains to the long-term management of chronically ill patients. Course Format: 4 credit hours; one month of supervised advanced pharmacy practice for at least 40 hours per week. Prerequisite: fourth professional year standing.</p>
	<p>PHMY 974: Ambulatory Care Pharmacy Practice Experience V This advanced pharmacy practice experience (APPE) involves the student in the daily provision of clinical pharmacy services in the ambulatory care setting including anticoagulation, geriatrics, HIV, Indian Health Services, oncology, pain management, and primary care. Responsibilities include providing drug therapy for disease states commonly encountered in the outpatient setting, providing drug regimen reviews, physical assessment and interviewing patients to elicit drug histories, health status, and adherence to therapy. A significant aspect of this rotation pertains to the long-term management of chronically ill patients. Course Format: 4 credit hours; one month of supervised advanced pharmacy practice for at least 40 hours per week. Prerequisite: fourth professional year standing.</p>
	<p>PHMY 975: Ambulatory Care Pharmacy Practice Experience VI This advanced pharmacy practice experience (APPE) involves the student in the daily provision of clinical pharmacy services in the ambulatory care setting including anticoagulation, geriatrics, HIV, Indian Health Services, oncology, pain management, and primary care. Responsibilities include providing drug therapy for disease states commonly encountered in the outpatient setting, providing drug regimen reviews, physical assessment and interviewing patients to elicit drug histories, health status, and adherence to therapy. A significant aspect of this rotation pertains to the long-term management of chronically ill patients. Course Format: 4 credit hours; one month of supervised advanced pharmacy practice for at least 40 hours per week. Prerequisite: fourth professional year standing.</p>
	<p>PHMY 976 Community Pharmacy Practice I This advanced pharmacy practice experience (APPE) builds upon the introductory pharmacy practice experience in community pharmacy. This APPE provides pharmacy experience in a variety of community settings including chain, clinic, compounding and independent. The emphasis is placed on patient counseling, immunizations, medication therapy management, and/or compounding. Course Format: 4 credit hours; one month of supervised advanced pharmacy practice for at least 40 hours per week. Prerequisite: fourth professional year standing.</p>
	<p>PHMY 977 Community Pharmacy Practice II This advanced pharmacy practice experience (APPE) builds upon the introductory pharmacy practice experience in community pharmacy. This APPE provides additional pharmacy experience in a variety of community settings including chain, clinic, compounding and independent. The emphasis is placed on patient counseling, immunizations, medication therapy management, and/or compounding. Course Format: 4 credit hours; one month of supervised advanced pharmacy practice for at least 40 hours per week. Prerequisite: fourth professional year standing.</p>
	<p>PHMY 978 Community Pharmacy Practice III This advanced pharmacy practice experience (APPE) builds upon the introductory pharmacy practice experience in community pharmacy. This APPE provides additional pharmacy experience in a variety of community settings including chain, clinic, compounding and independent. The emphasis is placed on patient counseling, immunizations, medication therapy management, and/or compounding. Course Format: 4 credit hours; one month of supervised advanced pharmacy practice for at least 40 hours per week. Prerequisite: fourth professional year standing.</p>

<p>practice for at least 40 hours per week. Prerequisite: fourth professional year standing.</p>
<p>PHMY 979 Community Pharmacy Practice IV This advanced pharmacy practice experience (APPE) builds upon the introductory pharmacy practice experience in community pharmacy. This APPE provides additional pharmacy experience in a variety of community settings including chain, clinic, compounding and independent. The emphasis is placed on patient counseling, immunizations, medication therapy management, and/or compounding. Course Format: 4 credit hours; one month of supervised advanced pharmacy practice for at least 40 hours per week. Prerequisite: fourth professional year standing.</p>
<p>PHMY 980 Hospital/Health System Pharmacy Practice Experience I This required advanced pharmacy practice experience (APPE) builds upon the introductory pharmacy practice experience in a hospital/health system setting. This APPE provides pharmacy experience in a variety of hospital/health system practice areas including regulatory compliance, human resources, patient care, informatics, and drug distribution process. Course Format: 4 credit hours; one month of supervised advanced pharmacy practice for at least 40 hours per week. Prerequisite: fourth professional year standing.</p>
<p>PHMY 981 Hospital/Health System Pharmacy Practice Experience II This advanced pharmacy practice experience (APPE) builds upon the introductory pharmacy practice experience in a hospital/health system setting. This additional APPE provides pharmacy experience in a variety of hospital/health system practice areas including regulatory compliance, human resources, patient care, informatics, and drug distribution process. Course Format: 4 credit hours; one month of supervised advanced pharmacy practice for at least 40 hours per week. Prerequisite: fourth professional year standing.</p>
<p>PHMY 982 Hospital/Health System Pharmacy Practice Experience III This advanced pharmacy practice experience (APPE) builds upon the introductory pharmacy practice experience in a hospital/health system setting. This APPE provides pharmacy experience in a variety of hospital/health system practice areas including regulatory compliance, human resources, patient care, informatics, and drug distribution process. Course Format: 4 credit hours; one month of supervised advanced pharmacy practice for at least 40 hours per week. Prerequisite: fourth professional year standing.</p>
<p>PHMY 983 Elective Pharmacy Practice Experience I Elective pharmacy practice experiences provide students with the opportunity to explore a variety of pharmacy practice settings outside of the four core curricular categories (acute/general medicine, ambulatory care, community, and hospital/health system). These elective experiences are typically in non-traditional pharmacy settings and include, but are not limited to, academia, administration, drug information, industry, informatics, international, investigational drug services, long term care, mail order, managed care, nuclear, poison center, research and veterinary medicine. Course Format: 4 credit hours; one month of supervised advanced pharmacy practice for at least 40 hours per week. Prerequisite: fourth professional year standing.</p>
<p>PHMY 984 Elective Pharmacy Practice Experience II Elective pharmacy practice experiences provide students with the opportunity to explore a variety of pharmacy practice settings outside of the four core curricular categories (acute/general medicine, ambulatory care, community, and hospital/health system). These elective experiences are typically in non-traditional pharmacy settings and include, but are not limited to, academia, administration, drug information, industry, informatics, international, investigational drug services, long term care, mail order, managed care, nuclear, poison center, research and veterinary medicine. Course Format: 4 credit hours; one month of supervised advanced pharmacy practice for at least 40 hours per week. Prerequisite: fourth professional year standing.</p>
<p>PHMY 985 Elective Pharmacy Practice Experience III Elective pharmacy practice experiences provide students with the opportunity to explore a variety of pharmacy practice settings outside of the four core curricular categories (acute/general medicine,</p>

	ambulatory care, community, and hospital/health system). These elective experiences are typically in non-traditional pharmacy settings and include, but are not limited to, academia, administration, drug information, industry, informatics, international, investigational drug services, long term care, mail order, managed care, nuclear, poison center, research and veterinary medicine. Course Format: 4 credit hours; one month of supervised advanced pharmacy practice for at least 40 hours per week. Prerequisite: fourth professional year standing.
	PHMY 986 Elective Pharmacy Practice Experience IV Elective pharmacy practice experiences provide students with the opportunity to explore a variety of pharmacy practice settings outside of the four core curricular categories (acute/general medicine, ambulatory care, community, and hospital/health system). These elective experiences are typically in non-traditional pharmacy settings and include, but are not limited to, academia, administration, drug information, industry, informatics, international, investigational drug services, long term care, mail order, managed care, nuclear, poison center, research and veterinary medicine. Course Format: 4 credit hours; one month of supervised advanced pharmacy practice for at least 40 hours per week. Prerequisite: fourth professional year standing.
	PHMY 987 Elective Pharmacy Practice Experience V Elective pharmacy practice experiences provide students with the opportunity to explore a variety of pharmacy practice settings outside of the four core curricular categories (acute/general medicine, ambulatory care, community, and hospital/health system). These elective experiences are typically in non-traditional pharmacy settings and include, but are not limited to, academia, administration, drug information, industry, informatics, international, investigational drug services, long term care, mail order, managed care, nuclear, poison center, research and veterinary medicine. Course Format: 4 credit hours; one month of supervised advanced pharmacy practice for at least 40 hours per week. Prerequisite: fourth professional year standing.
	PHMY 999: Grand Rounds Regularly scheduled, formal, oral presentations with audiovisuals on controversial or new areas of pharmacotherapeutics, pharmacoconomics, pharmaceuticals, medicinal chemistry or pharmacy practice. A follow-up question and answer period examines the student's ability to substantiate his/her conclusions. Content and presentation technique will be critiqued. Course Format: 1 credit hour; seminar presentations. Prerequisite: fourth professional year standing.

20.3 College of Pharmacy Elective Courses

Elective courses are offered based on faculty availability, space availability, and sufficient enrollment.

P2 or P3	PHMY 716: Special Project, Dept. of Pharmaceutical & Biomedical Sciences An individualized program of study or research arranged by consultation between student and faculty member. Credit is variable and the course may be repeated for credit. Course Format: 1-4 credit hours. Independent study format. Prerequisite: second or third professional year standing. Fall or Spring semester.
P2 or P3	PHMY 717: Cancer: Causes, Treatment, and Prevention An overview of basic concepts in cancer epidemiology, genetics, and biology, and the therapeutic approaches utilized in the prevention and treatment of cancer. Course Format: 2 credit hours. Lecture format. Prerequisite: second or third professional year standing.
P2 or P3	PHMY 756: Clinical Immunology/Transplant The course will build upon principles of immunology covered in microbiology/immunology (PHMY 610) to include monitoring the immune system, hypersensitivity reactions, and the principles of solid organ transplantation and role of a pharmacist in transplantation. Course Format: 2 credit hours. Lecture format. Prerequisite: second or third professional year standing.

P2 or P3	<p>PHMY 757: Special Project, Dept. of Pharmacy and Outcome Sciences An individualized program of study or research arranged by consultation between student and faculty member. Credit is variable and the course may be repeated for credit. Course Format: 1-4 credit hours. Independent study format. Prerequisite: second or third professional year standing. Fall or Spring semester.</p>
P2 or P3	<p>PHMY 762: Creating Pharmacy Leaders This course is designed to teach students the leadership skills needed to influence people and organizations in an effort to create positive change within the practice of pharmacy. Course Format: 2 credit hours. Lecture format. Prerequisite: second or third professional year standing.</p>
P2 or P3	<p>PHMY 763: Introduction to Pharmacy Pathways and Careers The course will emphasize aspects of pharmacy career development, to include understanding of the role of a professional, strategies in dealing with various types of patients, development of professional presentations, and familiarity with career pathways in pharmacy. Course Format: 3 credit hours. Lecture format. Prerequisite: second or third professional year standing.</p>
P2 or P3	<p>PHMY 764: Personal Finance This course is designed to provide the health care practitioner with the knowledge and skills to manage their personal finances in an effective manner. After successfully completing this course, the student will be able to understand the process for making personal financial decisions; establish personal financial goals; evaluate the factors that influence personal financial planning; and apply strategies for attaining personal financial goals. Course Format: 3 credit hours. Lecture format. Prerequisite: second or third professional year standing.</p>
P2 or P3	<p>PHMY 766: Alternative Medicine This course is designed to expose the student to a wide variety of herbal medicines and dietary supplements. Discussions will also include regulation of herbal supplements, evaluation of the alternative medicine literature, and disease-directed discussions with case studies. Course Format: 2 credit hours. Online format. Prerequisite: second or third professional year standing.</p>
P2 or P3	<p>PHMY 774: Pharmacy Political Advocacy This class will focus on enabling students to become advocates for the pharmacy profession through review of current legislation that affects pharmacists and healthcare, as well as determining the impact of legislation on the profession. Students will learn how to affect legislation through contact with their representatives and through collaboration with pharmacy organizations. Concepts for providing to their representatives a concise review of the effect of legislation will also be reviewed. Course Format: 2 credit hours. Lecture format. Prerequisite: second or third professional year standing.</p>
P3	<p>PHMY 776: Developing a Medication Therapy Management Service This course will prepare students to develop and implement a pharmaceutical care service into a community pharmacy setting. The focus will be on designing a Medication Therapy Management service; however other clinical pharmacy services will be discussed. Students will apply basic principles of small business administration and development to the creation of a pharmacy service. Students will participate in interactive lectures, written assignments, and formal presentations. Course Format: 2 credit hours. Lecture format. Prerequisite: third professional year standing.</p>
P2 or P3	<p>PHMY 779: Advanced Self-Care This elective focuses on developing critical thinking, problem solving, and communication skills by incorporating principles of self-management covered in Self-care and Complementary Medicines (PHMY 750) into evidence-based case discussions and presentations. Course Format: 2 credit hours. Lecture format: one two-hour period. Prerequisite: second or third professional standing.</p>

P2 or P3	<p>PHMY 784: Post-graduate and Research Training This course is designed to prepare students for and promote post-graduate training, with an emphasis on residency training, but also including PhD and fellowship training. All elements of preparation for post-graduate training will be covered; the class will provide information related to various types of research, discuss the ethical considerations related to research and provide the opportunity to develop and present a research protocol. Course Format: 2 credit hours. Lecture format, discussion. Prerequisite: second or third professional year standing.</p>
P2	<p>PHMY 786: Pediatric Pharmacotherapy This challenging course is designed to provide the student with increased exposure to disease states, medication issues, and clinical decision-making skills specific to the pediatric population. Pediatrics is an integral component to most pharmacy careers, and gaining a greater understanding of the patient population's challenges and nuances is necessary to become a confident and well-rounded practitioner. This elective also seeds to provide exposure to the pediatric pharmacy community, including experts in the subspecialty areas and organizations. Course Format: 2 credit hours. Lecture format in 50-minute sessions. Prerequisite: second professional year standing.</p>
P2 or P3	<p>PHMY 788: Interprofessional Prevention of Childhood Obesity This course introduces health professions students to concepts in community and public health focusing on childhood obesity. The course is in collaboration with the Junior Doctors of Health (JDOH) program. JDOH is an interprofessional service-learning program that works with children in low-income schools with the aim of long term prevention of childhood obesity. During the course, students will lead education and interactive sessions that are part of the JDOH curriculum to promote healthy diet and physical activity behaviors. Students from public health, social work, and pharmacy will participate in didactic class sessions together then will provide education regarding the prevention of childhood obesity as interprofessional teams to elementary students in local schools. Teams will then develop presentations regarding their experiences to present during the final class session. Course Format: 2 credit hours. Lecture format. Prerequisite: second or third professional year standing. Pass/Fail.</p>
P2	<p>PHMY 792: Advanced Topics in Pharmacy Compounding I This course will build upon the knowledge acquired in the first professional year courses Dosage Forms/Drug Delivery Systems and Compounding/Applied Pharmaceutics lab. The course will provide emphasis on practical application in the evaluation of unique dosage forms, pharmacotherapy, and special pharmaceutical needs of various patient populations. This course is self-paced and delivered in an online format utilizing prerecorded lectures. Course Format: 1 credit hour. Pass/Fail. Prerequisite: second professional year standing.</p>
P2	<p>PHMY 793: Advanced Topics in Pharmacy Compounding II This course is an elective course that provides additional insight and understanding into a variety of pharmacy compounding topics, which include nutrient depletion, drug-induced nutrient depletion, metabolic demands of athletes, men's health, and family medicine. This course is self-paced and delivered in an online format utilizing prerecorded lectures. Course Format: 1 credit hour. Self-paced, online format. Pass/Fail. Prerequisite: second professional year standing.</p>
P2	<p>PHMY 794: Pharmacist Entrepreneurship This course provides an entrepreneurship overview, including, but not limited to 1) the characteristics, behaviors, and attitudes of successful entrepreneurs, 2) current topics in entrepreneurship, e.g., the lean startup methodology, 3) examination of how to create an entrepreneurial mindset, 4) entrepreneurship as it applies to pharmacy ownership and innovative patient care initiatives, 5) application of relevant business skills, e.g., accounting, marketing, and finance, 6) business planning and creation of a business proposition. Course Format: 3 credit hours. Prerequisites: second professional year standing; recommended that student has completed an accounting course.</p>

P3	<p>PHMY 851: Acute Care Therapeutics A disease-oriented and organ-integrated approach to the care of patients with acute illnesses managed in the in-patient hospital setting. Students will learn common disease processes that affect the acutely ill hospitalized patient and the appropriate pharmacotherapy to treat these patients. This course focuses on developing critical thinking and problem solving skills, and integrating material from this course and previous courses in a case-based format. Course Format: 2 credit hours. Lecture format. Prerequisite: third professional year standing.</p>
P2 or P3	<p>PHMY 856: Evidence Based Medicine This course is designed to instruct students on the proper approach to critical evaluation of the medical literature. An evidence based approach to patient care hinges on the medical team's ability to utilize the most current literature available. Students will learn the keys to critiquing the medical literature, including basic statistical and analytical concepts, in an open forum style, with application of literature information to clinical scenarios. Course Format: 2 credit hours. Lecture format. Prerequisite: second or third professional year standing.</p>
P3	<p>PHMY 857: Community Pharmacy Practice and Operations This course is intended to provide a practical look at independent community pharmacy. The goal of the course is to expose students to the many aspects involved in starting, owning and running a business. Each session will focus on a unique aspect of independent pharmacy ownership or pharmacist driven business, along with management skills required to effectively operate the business. Students will learn to critically appraise and discuss independent store ownership/management or pharmacy related business through lectures, readings, discussions and projects. Course Format: 2 credit hours. Lecture format. Prerequisite: third professional year standing.</p>
P3	<p>PHMY 858: Drug Interactions This course is designed to prepare students to appropriately recognize, predict, assess, and manage drug interactions that are encountered in pharmacy practice. Course Format: 2 credit hours. Lecture format. Prerequisite: third professional year standing.</p>
P3	<p>PHMY 859: Design and Conduct of Clinical Research Studies This course is designed to provide students with exposure to clinical research. The demand for pharmacist researchers in a variety of settings continues to increase, and clinical pharmacists are often called upon to engage in some research activities. Residency training provides practical application of research; however, most residents lack an in-depth exposure to the varied aspects of research prior to graduation. This class will provide students with information related to various types of research, discuss the ethical considerations related to clinical research, and provide students with the opportunity to develop and present a clinical research protocol. This course will help prepare students for post-graduate (residency, fellowship, or PhD) research endeavors. Course Format: 2 credit hours. Lecture format. Prerequisite: third professional year standing.</p>
P3	<p>PHMY 863: Medication Safety Management This course is designed to teach students proper medication safety practices. As medications are prescribed, prepared, dispensed, and administered safely and appropriately, patients' lives are ultimately improved. However, health care providers are human and thereby fallible by nature. Knowledge of ways in which medication errors commonly occur and the modalities in place to prevent such errors is important to the practice of pharmacy. This course will allow students to learn the history of medication safety, institutional policies, and technological advances in medication safety. Course Format: 2 credit hours. Lecture format. Prerequisite: third professional year standing.</p>

P3	<p>PHMY 879: Patient-Centered Approach to Medication Therapy Management This elective prepares students to care for patients participating in medication therapy management. The focus will be on communicating with a patient during a MTM session to identify the patient's current medication therapy problems and prevent future medication therapy problems. Students will apply therapeutic principles learned in the curriculum to improve the patient's overall care, as related to the patient's medication therapies. Course Format: 2 credit hours. Lecture format: one two-hour period. Prerequisite: third professional year standing.</p>
P3	<p>PHMY 881: Senior Care Pharmacy Practice This course will introduce students to various topics related to the care of older patients in any setting. Course content will complement the PHMY curriculum in regard to geriatric pathophysiology, pharmacology, socioeconomics, regulations, and pharmacotherapeutics. In addition, it will expand upon the various practices of senior care pharmacy. Practicing consultants and other topic experts will serve as lecturers. In addition to class discussions and lectures, students will participate in a consultant pharmacist shadowing experience and will conduct an interview with a senior patient. Course Format: 2 credit hours. Lecture format, discussion. Prerequisite: third professional year standing. Distance education.</p>
P2 or P3	<p>PHMY 882: Infectious Diseases Pharmacotherapy This course is an integrated approach to infectious diseases pharmacotherapy that builds upon required PHMY courses. At the conclusion of the course, the student will have a working knowledge of infectious diseases pharmacotherapy and be able to develop a complete patient care plan given an infectious diagnosis. Additionally, the course will stress important drug interactions with antimicrobials, adverse events associated with antimicrobials, and the prominent role of pharmacists in a HIV clinic, antimicrobial stewardship program, and/or medical crisis. Course Format: 2 credit hours. Lecture format, discussion. Prerequisite: second or third professional year standing.</p>
P3	<p>PHMY 884: Delivering Medication Therapy Management Services This course will utilize the "Delivering MTM Services in the Community" certificate training program developed by APhA and ASCP to provide students the essential skills necessary to become a successful MTM practitioner. Students will learn how to evaluate complicated medication regimens, identify medication-related problems, and make recommendations. Aspects of business development and management will also be discussed. Students will participate in interactive lectures, reading and writing assignments, critical thinking exercises, and patient counseling sessions. Course Format: 2 credit hours. Lecture format. Prerequisite: third professional year standing.</p>
P3	<p>PHMY 886: Pharmacotherapy Cases This challenging course is designed to provide the student with the opportunity to gather, analyze, and synthesize medical information from complex patient cases into complete pharmacotherapeutic treatment plans designed to improve patient outcomes. This process will enhance the student's ability to be an independent and active learner, foster the student's individual and group problem solving abilities, promote the critical examination of medical problems, and develop student's clinical skills and decision-making abilities. Course Format: 2 credit hours. Small group discussion. Prerequisite: third professional year standing.</p>
P3	<p>PHMY 891: Introduction to Pharmacogenomics and Personalized Medicine This course will incorporate didactic teaching from both the basic sciences and pharmacotherapy realms to prepare students to effectively engage with commonly encountered questions and pharmacy practice dilemmas related to pharmacogenomics. The course will also provide active learning through longitudinal projects involving pharmacogenomic literature analysis, and solving pharmacogenetics-related pharmacotherapy selection problems. Course Format: 3 credit hours. Prerequisite: third professional year standing. (Cross listed as pharmacy graduate course: PHAR 715).</p>

XXI. 2017-2018 Academic Calendar

Fall 2017	
Orientation (1 st year only)	8/17 – 8/18; 8/21 – 8/23
White Coat Ceremony	8/23
Classes Begin	8/24
Labor Day ¹	9/4
Fall Break ¹	10/19 - 10/20
Pharmacy Day	11/6
Thanksgiving ¹	11/22 - 11/26
Last Day of Classes	12/8
Reading Day	12/9
Finals	12/11 - 12/18
Total Day of Class	71
Spring 2018	
Classes Begin	1/8
MLK Day ¹	1/15
Spring Break ¹	3/11 – 3/18
Last Day of Class	4/23
Reading Day	4/24
Finals	4/25 – 4/30
Total Day of Class	70
Commencement	5/11
Summer Sessions 2018	
Summer Session I ²	5/7 – 6/1
Summer Session II ³	6/4 – 6/29
Summer Session III ⁴	7/2 – 7/27

¹No classes

²For P1 – P3 students repeating fall semester courses or P1 and P2 students for IPPEs

³For P1 – P3 students repeating spring semester courses or P1 and P2 students for IPPEs

⁴For P1 and P2 students for IPPEs

Effective Date August 1, 2017