COLLEGE OF PHARMACY

College of Pharmacy Bulletin

At the University of South Carolina College of Pharmacy, 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. Our faculty and staff are personally invested in your development as a health care leader.

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ACADEMIC AND CURRICULUM INFORMATION

Curricular Philosophy

The University of South Carolina College of Pharmacy recognizes that individual students learn and develop in a variety of unique ways. We foster an inclusive culture with support from our dedicated faculty, empowering our students to become collaborative, innovative pharmacists who will transform healthcare delivery through practice and groundbreaking research. Our curriculum utilizes educational outcomes to build strong foundations in relevant disciplines, with particular emphasis on biomedical, pharmaceutical, social, administrative and clinical sciences. Faculty serve as facilitators, guiding students to develop problem-solving, critical-thinking and evidence-based practice skills. The college incorporates didactic, interprofessional, laboratory-based, and experiential educational opportunities to create a rich, diverse learning environment. Additionally, students catalyze their own academic and professional growth by participating in a variety of co-curricular and community engagement activities. Upon completion of our Pharm.D. program, graduates are able to practice patient-centered care with proficiency and professionalism, optimize health outcomes, and advance the pharmacy profession.

Pharm.D. Curriculum for Students Entering Program in Fall 2021 and Beyond

(Approved by the UofSC College of Pharmacy faculty January 5, 2021)

Course	Title	Credit Hours
First Year		
Fall		
PHMY 600	Personal and Professional Development for Student Pharmacists I	1
PHMY 602	Foundations of Pathophysiology and Pharmacology I	2
PHMY 607	Dosage Forms and Drug Delivery Systems	4
PHMY 615	Pharmaceutical Biochemistry	3
PHMY 621	Foundations of Medicinal Chemistry I	3
PHMY 650	Introduction to Pharmacy Practice	2
PHMY 656	Pharmacy Calculations	2
PHMY 671	Pharmacy Skills Lab I: Compounding and Applied Pharmaceutics	1
PHMY 680	Introduction to Drug Information	1
	Credit Hours	**19**
Spring		
PHMY 601	Personal and Professional Development for Student Pharmacists II	1
PHMY 603	Foundations of Pathophysiology and Pharmacology II	3
PHMY 618	Genomics, Pharmacogenomics, and Personalized Medicine	3
PHMY 624	Foundations of Medicinal Chemistry II	3
PHMY 657	Medical Terminology	1
PHMY 662	Patient Care Fundamentals	1
PHMY 670	Pharmacy Skill Lab II: Introduction to Community Pharmacy	1
PHMY 690	Transforming Healthcare	1
PHMY 750	Self-Care and Complementary Medicines	4
	Credit Hours	**18**
Summer		
PHMY 699	Introductory Community Practice Pharmacy Experience	4
	Credit Hours	**4**
Second Year		
Fall		
PHMY 700	Personal and Professional Development for Student Pharmacists III	1
PHMY 610	Microbiology/Immunology	4
PHMY 710	Biopharmaceutics and Pharmacokinetics	3
PHMY 722	Pathophysiologyand Pharmacology I	3
PHMY 751	Patient Care Applications I	1
PHMY 772	Pharmacotherapy I	4
PHMY 790	Pharmacy Skills Lab III: Introduction to Health-Systems Pharmacy	1
Elective [1]		2
Elective hours can range 1-3 credits. See footnote below for details		
	Credit Hours	**19**
Spring		
PHMY 701	Personal and Professional Development for Student Pharmacists IV	1
PHMY 723	Pathophysiology and Pharmacology II	2
PHMY 752	Patient Care Applications II	1
PHMY 773	Pharmacotherapy II	5
PHMY 780	Outcomes Design and Assessment	3
PHMY 791	Pharmacy Skills Lab IV: Applied Health-Systems Pharmacy	1
PHMY 890	Clinical Pharmacokinetics	3
Elective [1]		2
Elective hours can range 1-3 credits. See footnote below for details		
	Credit Hours	**18**
Summer		
PHMY 798	Introductory Institutional Practice Pharmacy Experience	4
	Credit Hours	**4**
Third Year		
Fall		
PHMY 800	Personal and Professional Development for Student Pharmacists V	1
PHMY 771	Pharmacy Skills Lab V: Applied Community Pharmacy	2
PHMY 822	Pathophysiology and Pharmacology III	3
PHMY 850	Health Care Systems and Management	4
PHMY 862	Patient Care Integration	1
PHMY 873	Pharmacotherapy III	4
PHMY 880	Advanced Drug Information	2
Elective [1]		2

Elective hours can range 1-3 credits. See footnote below for details

		Credit Hours	19
Spring			
PHMY 801	Personal and Professional Development for Student Pharmacists VI		1
PHMY 823	Pathophysiology and Pharmacology IV		2
PHMY 864	Advanced Pharmacy Practice Experience Readiness		1
PHMY 874	Pharmacotherapy IV		5
PHMY 885	Pharmacy Law and Ethics		3
PHMY 895	Clinical Assessment		3
Elective [1]			2

Elective hours can range 1-3 credits. See footnote below for details

Students must complete 8 hours of electives by the end of the third professional Pharm.D. year. See footnote below.

		Credit Hours	17
Summer			
APPE x 1-4			12
		Credit Hours	**12**
Fourth Year			
Fall			
APPE x 1-4			12
PHMY 999	Grand Rounds		1
		Credit Hours	**13**
Spring			
APPE x 1-4			12

Nine 4-credit (one month) rotations may be scheduled in any month between May and April of the P4 year. For this reason, credit hours may range anywhere from 4 to 16 for a given term. See below for details.

		Credit Hours	**12**
		Total Credit Hours	**155**

[1]   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 total hours for the professional program is 155 credit hours. The minimum total hours including pre-pharmacy requirements is 221 credit hours.

- 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 and PHMY 798 require 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, but the minimum number of hours that must be completed is 160 hours each. 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.

- 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.

Pharm.D. Curriculum for Students Entering Program in Fall 2020

(Approved by the UofSC faculty January 3, 2020)

Course	Title	Credit Hours
First Year		
Fall		
PHMY 602	Foundations of Pathophysiology and Pharmacology I	2
PHMY 607	Dosage Forms and Drug Delivery Systems	4
PHMY 615	Pharmaceutical Biochemistry	3
PHMY 621	Foundations of Medicinal Chemistry I	3
PHMY 650	Introduction to Pharmacy Practice	2
PHMY 656	Pharmacy Calculations	2
PHMY 671	Pharmacy Skills Lab I: Compounding and Applied Pharmaceutics	1
PHMY 680	Introduction to Drug Information	1
	Credit Hours	**18**
Spring		
PHMY 603	Foundations of Pathophysiology and Pharmacology II	3
PHMY 618	Genomics, Pharmacogenomics, and Personalized Medicine	3
PHMY 624	Foundations of Medicinal Chemistry II	3
PHMY 657	Medical Terminology	1
PHMY 661	Clinical Applications II	1
PHMY 670	Pharmacy Skill Lab II: Introduction to Community Pharmacy	1
PHMY 690	Transforming Healthcare	1
PHMY 750	Self-Care and Complementary Medicines	4
	Credit Hours	**17**
Summer		
PHMY 699	Introductory Community Practice Pharmacy Experience	4
	Credit Hours	**4**
Second Year		
Fall		
PHMY 610	Microbiology/Immunology	4
PHMY 710	Biopharmaceutics and Pharmacokinetics	3
PHMY 722	Pathophysiologyand Pharmacology I	3
PHMY 760	Clinical Applications III	1
PHMY 772	Pharmacotherapy I	4
PHMY 790	Pharmacy Skills Lab III: Introduction to Health-Systems Pharmacy	1
Elective [1]		2

Elective hours can range 1-3 credits. See footnote below for details.

		Credit Hours	18
Spring			
PHMY 723	Pathophysiology and Pharmacology II		2
PHMY 761	Clinical Applications IV		1
PHMY 773	Pharmacotherapy II		5
PHMY 780	Outcomes Design and Assessment		3
PHMY 791	Pharmacy Skills Lab IV: Applied Health-Systems Pharmacy		1
PHMY 890	Clinical Pharmacokinetics		3
Elective [1]			2

Elective hours can range 1-3 credits. See footnote below for details.

		Credit Hours	17
Summer			
PHMY 798	Introductory Institutional Practice Pharmacy Experience		4

		Credit Hours	4
Third Year			
Fall			
PHMY 771	Pharmacy Skills Lab V: Applied Community Pharmacy		2
PHMY 822	Pathophysiology and Pharmacology III		3
PHMY 850	Health Care Systems and Management		4
PHMY 860	Clinical Applications V		1
PHMY 873	Pharmacotherapy III		4
PHMY 880	Advanced Drug Information		2
Elective [1]			2

Elective hours can range 1-3 credits. See bullet point below for details.

		Credit Hours	18
Spring			
PHMY 823	Pathophysiology and Pharmacology IV		2
PHMY 861	Clinical Applications VI		1
PHMY 874	Pharmacotherapy IV		5
PHMY 885	Pharmacy Law and Ethics		3
PHMY 895	Clinical Assessment		3
Elective [1]			2

Elective hours can range 1-3 credits. See footnote below for details.

Students must complete 8 hours of electives by the end of the third professional Pharm.D. year. See footnote below.

		Credit Hours	16
Summer			
APPE x 1-4			12

		Credit Hours	12
Fourth Year			
Fall			
APPE x 1-4			12
PHMY 999	Grand Rounds		1

		Credit Hours	13

		Credit Hours	
Spring			
APPE x 1-4			12

Nine 4-credit (one month) rotations may be scheduled in any month between May and April of the P4 year. For this reason, credit hours may range anywhere from 4 to 16 for a given term. See details below.

		Credit Hours	12
		Total Credit Hours	**149**

[1] 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 total hours for the professional program is 149 credit hours. The minimum total hours including pre-pharmacy requirements is 215 credit hours.

- 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 and PHMY 798 require 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, but the minimum number of hours that must be completed is 160 hours each. 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.

Educational Outcomes

Educational Outcomes for the Doctor of Pharmacy Graduate

Domain 1 – Foundational Knowledge

- **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.

Domain 2 – Essentials for Practice and Care

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

Domain 3 - Approach to Practice and Care

- **Problem Solving (Problem Solver)** – Identify problems; explore and prioritize potential strategies; and design, implement, and evaluate a viable solution.
- **Educator (Educator)** – Educate all audiences by determining the most effective and enduring ways to impart information and assess understanding.
- **Patient Advocacy (Advocate)** - Assure that patients' best interests are represented.
- **Interprofessional collaboration (Collaborator)** – Actively participate and engage as a healthcare team member by demonstrating mutual respect, understanding, and values to meet patient care needs.
- **Cultural sensitivity (Includer)** - Recognize *social determinants of health* to diminish disparities and inequities in access to quality care.
- **Communication (Communicator)** – Effectively communicate verbally and nonverbally when interacting with an individual, group, or organization.

Domain 4 – Personal and Professional Development

- **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.
- **Leadership (Leader)** - Demonstrate responsibility for creating and achieving shared goals, regardless of position.
- **Innovation and Entrepreneurship (Innovator)** - Engage in innovative activities by using creative thinking to envision better ways of accomplishing professional goals.
- **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: https://www.aacp.org/sites/default/files/2017-10/CAPEoutcomes2013%20%281%29.pdf

Interprofessional Education

Students' IPE experiences include both required and elective components and take place as part of didactic coursework, experiential learning, immersive quality improvement research, and co-curricular opportunities. Examples of available co-curricular opportunities include offerings made available through the Institute for Healthcare Improvement Open School and the South Carolina Area Health Education Consortium Institute for Primary Care. Students may also choose to participate in the South Carolina Area Health Education Consortium Scholars Program.

Mission of UofSC Interprofessional Education for the Health Sciences

The mission of UofSC Interprofessional Education for the Health Sciences is to be leaders 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.

Interprofessional Education Goals

The goals of the UofSC Interprofessional Education for the Health Sciences are to:

Graduate excellent interdisciplinary health practitioners: the UofSC Interprofessional Education committee aims to graduate health professionals capable and competent to enter any health care system and communicate and work with other health professionals to improve the outcomes for patients and/or patient populations.

- Increase health sciences program enrollment
- Become a model of interprofessional innovation in education
- Obtain external funding for interprofessional education and research
- Provide meaningful community engagement and service opportunities

Pharmacy Practice Experiences
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 October 1st of the 1st Professional year. If a student's Pharmacy Intern Certificate is suspended, revoked, or voluntarily surrendered, the student may be suspended from the College of Pharmacy.

Pharmacy Practice Experience Policies

- Pharmacy students complete a minimum of 11 pharmacy practice experiences (rotations) which represent approximately 1/3 of the total pharmacy curriculum. 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.
- Each student is 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, each student completes 9 Advanced Pharmacy Practice Experiences (APPEs) with 5 rotations being in ACPE-required experiential categories and 4 being electives in a variety of settings. A minimum of 160 hours must be completed for each of the 11 rotations. A student who does not complete the required number of hours for any rotation could receive a failing grade for that rotation and be required to remediate that entire experiential course.

• Rotations are scheduled by a computerized assignment process using an experiential rotation management system. Students may enter preferences for physical location, rotation sites, and preceptors, but preferences are not guaranteed. The Office of Experiential Education makes the final determination on each student's rotation schedule.

• The Office of Experiential Education will attempt to place students at a site that is approximately one hour driving distance each way from their permanent or temporary residence in South Carolina. Students may be provided the opportunity to coordinate out of state rotations according to the policies provided by the Office of Experiential Education.

• Students must maintain current immunizations, health insurance and pharmacy intern certificates while enrolled in the College of Pharmacy. Students are responsible for associated costs for meeting and maintaining these requirements in addition to other rotation site requirements which may include, but are not limited to, other immunizations and health screenings, drug screens, and additional background searches.

• Students must be prepared to arrange and pay for their own travel and housing for IPPEs and/or APPEs, due to limited rotation sites.

Student Advisement and Mentorship

Each professional class will be assigned a faculty class advisor. This class advisor will be actively involved in P1 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.

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.

Each year, sessions embedded within courses or conducted independently from courses will be scheduled by Track and Combination Degree Coordinators to showcase College of Pharmacy Tracks and Combination Degree Options. Elective sessions for each semester may be held by the Senior Associate Dean or Associate Dean for Student Affairs and Diversity via live, recording, or electronic posting methods. Information for Coordinators of College of Pharmacy Tracks, Combination 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.

As part of the Personal and Professional Development for Student Pharmacists course series, students will attend faculty mentor small group meetings. This time will be used to examine and reflect on the students' developing knowledge, skills, abilities, beliefs, biases, motivation, and emotions that could enhance or limit their personal and

professional growth. Students will have opportunity to discuss their experiences as well as future career direction.

ADMINISTRATION AND FACULTY

Administration

Julie M. Sease, Pharm.D., *Interim Dean*
Jennifer L. Baker, Pharm.D., *Director of Experiential Programs*
Brianne L. Dunn, Pharm.D., *Associate Dean for Outcomes Assessment and Accreditation*
Amy D. Grant, Pharm.D., M.B.A., *Associate Dean for Student Affairs and Diversity*
David Lorick, *Assistant Dean for Finance*
Doug Pittman, Ph.D., *Director of Graduate Studies*
"Gene" Reeder, Ph.D., *Interim Senior Associate Dean and Director of Outcomes Research*
S. Scott Sutton, Pharm.D., *Chair, Department of Clinical Pharmacy and Outcomes Sciences*
Michael D. Wyatt, Ph.D., *Chair, Department of Drug Discovery and Biomedical Sciences*

Professors

Charles L. Bennett, M.D., Ph.D., *University of Pennsylvania, 1981; Pardee RAND Graduate School, 1989*
Phillip J. Buckhaults, Ph.D., *University of Georgia, 1996*
Stephen J. Cutler, Ph.D., *University of Georgia, 1989*
Lorne J. Hofseth, Ph.D., *Simon Fraser University, 1996*
Hippokratis Kiaris, Ph.D., *University of Crete, 1997*
Campbell McInnes, Ph.D., *University of Edinburgh, 1991*
Igor Roninson, Ph.D., *Massachusetts Institute of Technology, 1982*
Julie M. Sease, Pharm.D., *University of South Carolina, 2003*
S. Scott Sutton, Pharm.D., *University of South Carolina, 1998*
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*

Associate Professors

Betsy W. Blake, Pharm.D., *Medical University of South Carolina, 2000*
P. Brandon Bookstaver, *Pharm.D., University of South Carolina, 2004*
Eugenia Broude, Ph.D., *Ukrainian Academy of Sciences, 1990*
Celeste R. Caulder, Pharm.D., *University of North Carolina, 2004*
Christina L. Cox, Pharm.D., *University of South Carolina, 2006*
Brianne L. Dunn, Pharm.D., *Medical University of South Carolina, 2008*
Patricia H. Fabel, Pharm.D., *University of Rhode Island, 2006*
Julie Ann Justo, Pharm.D., *University of Florida, 2009*
Bryan L. Love, Pharm.D., *University of South Carolina, 1997*
Kevin Lu, Ph.D., *University of Maryland, 2011*
Whitney Maxwell, Pharm.D., *Medical University of South Carolina, 2008*
Karen H. McGee, Pharm.D., *University of South Carolina, 1989*
Jill E. Michels, Pharm.D., *Medical University of South Carolina, 1996*
C. LeAnn B. Norris, Pharm.D., *University of South Carolina, 2004*
Cynthia M. Phillips, Pharm.D., *University of Tennessee, 1991*
Douglas Pittman, Ph.D., *University of Iowa, 1996*
Ozgur Sahin, Ph.D., *University of Heidelberg, 2008*
Michael Shtutman, Ph.D., *Russian Cancer Research Center, 1996*

Assistant Professors

Carolyn E. Banister, Ph.D., *University of South Carolina, 2009*
Michaela Almgren, Pharm.D., *South Carolina College of Pharmacy, 2010*
Caroline Asbill, Pharm.D., *South Carolina College of Pharmacy, 2016*

Jennifer L. Baker, Pharm.D., *University of South Carolina, 2002*
Reagan K. Barfield, Pharm.D., *South Carolina College of Pharmacy, 2019*
Chao Cai, M.S., Ph.D., University of Pittsburgh, 2003; *University of South Carolina, 2013*
Jordan Cooler, Pharm.D., *South Carolina College of Pharmacy, 2016*
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; University of South Carolina, 2013*
Alexander V. Gasparian, Ph.D., N.N. *Blokhin Cancer Research Center, Moscow, 2007*
Tessa Hastings, M.S., Ph.D., *University of Toledo, 2015; Auburn University, 2019*
John W. Holladay, B.S. Pharm, Ph.D., *University of South Carolina, 1992, 1997*
Minou Khazan, Pharm.D., *Tehran University of Medical Sciences, 1990*
Joseph Magagnoli, MS, *Texas A & M University, 2014*
Francisco Leon, Ph.D., *University of La Laguna, 2005*
Yangmei Li, Ph.D., *Zhejiang University, 2005*
Sajish Mathew, Ph.D., *Indian Institute of Technology Kanpur, 2009*
Caitlin Mardis, Pharm.D., *South Carolina College of Pharmacy, 2011*
Kathy Quarles-Moore, B.S. Pharm., *University of South Carolina, 1986*
Chengwen Teng, Pharm.D., Ph.D., *University of Oklahoma, 2017; University of Texas at San Antonio, 2019*
Megan R. Tran, Pharm.D., *University of South Carolina, 2009*
Kyle A. Weant, Pharm.D., *University of North Carolina, 2003*
Ismaeel Yunusa, Pharm.D., Ph.D., *Alexandria University, 2013; Massachusetts College of Pharmacy and Health Sciences, 2019.*

Clinical Instructors

Cody Berkeley, Pharm.D., *South Carolina College of Pharmacy, 2018*
Jim Long, Pharm.D., *University of South Carolina, 1970*
Stanley Papajohn, B.S. Pharm., *University of South Carolina, 1961*
Lori Rotola, B.S. Pharm., Pharm.D., *University of South Carolina, 1992; University of South Carolina, 1993*

Adjunct & Affiliate Faculty

Courtney Alexander, Pharm. D., *Auburn University Harrison School of Pharmacy, 2013*
Majdi Al-Hassan, M.B.B.S., *University of Jordan, 2000*
Jennifer Bair, Pharm.D., *University of South Carolina, 1999; Prisma Health - Midlands Clinical Assistant Dean*
Nicole K. Bookstaver, Pharm.D., *University of South Carolina, 2009*
Alyson Ghizzoni Burns, Pharm.D., *University of Findlay, 2012*
Chris Campen, Pharm.D., *University of Illinois at Chicago, 2007*
Kimberly Clark, Pharm.D., *University of North Carolina, 2005*
Jennifer Clements, Pharm.D., *Campbell University, 2006*
Nicholas Connors, M.D., *Weill Medical College of Cornell University, 2008*
Carrie Curtis, Pharm.D., *South Carolina College of Pharmacy, 2013*
Robert Daniels, Pharm.D., *University of South Carolina, 2005*
Jennifer Endres, Pharm.D., *The Ohio State University, 2008*
Erik Fisher, M.D., *Weill Medical College, 2013*
Marc Fishman, M.D., C.M., *McGill University, 1972*
Douglas L. Furmanek, Pharm.D., *University of North Carolina, 2002*
Andrew Gainey, Pharm. D., *University of South Carolina, 2011*
Lyndsay Ray Gormley, Pharm.D., *Presbyterian College, 2014*
Jeffrey Hall, M.D., FAAFP, *University of Florida College of Medicine, 2000*
Lewis Hardison, Jr., D.O., M.P.H., *Kansas City University of Medicine and Biosciences, 2008*
Tina Hardison, Pharm.D., *West Virginia University School of Pharmacy, 2006*
Laura Holden, Pharm.D., *University of South Carolina, 2005*
John Howard, Pharm.D., *University of South Carolina, 2002*

Jennifer Hucks, M.D., *University of South Carolina School of Medicine, 2004*
Heather Hughes, Pharm.D., *University of South Carolina, 2000*
Jasmine Jennings, *Pharm.D., Hampton University, 2009*
Joseph Kohn, Pharm.D., *University of South Carolina, 1995*
Chris Kozma, Ph.D., *University of South Carolina, 1988*
Jeffery Langford, Pharm.D., *Mercer University, 2008*
Caitlin Lozorak, Pharm.D., *Temple University School of Pharmacy, 2014*
Bethany Lynch, Pharm.D., *University of Georgia, 2004*
B. Andrew Mardis, Pharm.D., *Samford University McWhorter School of Pharmacy, 2012*
Krutika Mediwala, Pharm.D., *South Carolina College of Pharmacy, 2015*
Taylor Meyers, Pharm.D., *South Carolina College of Pharmacy, 2015*
Chadi Nabhan, M.D., *Damascus University Medical School, 1991*
Jessica Odom, Pharm.D., *University of South Carolina, 2007*
Shandi Pack, Pharm.D., *South Carolina College of Pharmacy, 2014*
Andy Paris, MBA, *Penn State University, 1990*
John Pearson, Pharm.D., *University of South Carolina, 1992; Prisma Health - Upstate Clinical Associate Dean*
Casey Penland, Pharm.D., *Medical University of South Carolina, 2013*
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*
Morgan Rhodes, Pharm.D., *University of Pittsburgh, 2011*
William Richardson, III, M.D., *Medical University of South Carolina, 1999*
Amy Robinson, Pharm.D., *South Carolina College of Pharmacy, 2017*
Shellie Rothstein, Pharm.D., M.B.A., *University of Florida, 2010; Pepperdine University*
Eric Sanderson, Pharm.D., *University of South Carolina, 2002*
Michael Scalese, Pharm.D., *Wilkes University Nesbitt School of Pharmacy, 2012*
William Smith, M.D., *Georgetown University Medical School, 1991*
Alan Spies, Ph.D., *University of Mississippi, 2006*
Rebecca Tombleson, Pharm.D., *BCOP, University of South Carolina College of Pharmacy, 2008*
Kristina Vizcaino, Pharm.D., *University of North Carolina Eshelman School of Pharmacy, 2015*
Michael Wagner, *South Carolina College of Pharmacy, 2015*
Sharon Weissman, M.D., *Columbia University College of Physicians and Surgeons, 1991*
Kristin G. Welborn, Pharm.D., *Medical University of South Carolina, 2009*
Hana Winders, Pharm.D., *South Carolina College of Pharmacy, 2015*
Marquita Winder, Pharm.D., *BCACP, CDE, Auburn University Harrison School of Pharmacy, 2010*
Sarah Withers, Pharm.D., *South Carolina College of Pharmacy, 2013; Prisma Health - Upstate Campus Coordinator*
Bryan Zeigler, Pharm.D., M.B.A., *University of South Carolina, 2001; University of South Carolina 2006*

Joseph W. Kosh, Ph.D., *University of Colorado, 1971*
Brooks C. Metts, Pharm.D., *University of Tennessee, 1970*
"Gene" Reeder, Ph.D., *University of South Carolina, 1983*
Joseph Roberts, Ph.D., *McGill University, 1964*
Richard M. Schulz, Ph.D., *University of North Carolina, 1983*
Joseph W. Sowell, Ph.D., *University of Georgia, 1972*
John C. Voris, Pharm.D., *University of Nebraska, 1979*

Deans Emeriti

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*

Faculty Emeriti

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*
Wayne E. Buff, Pharm.D., *University of South Carolina, 1997*
James M. Chapman, Ph.D., *University of North Carolina, 1981*
Kim Creek, Ph.D., *Purdue University, 1980*
Michael Dickson, Ph.D., *The Ohio State University, 1972*

COURSE DESCRIPTIONS

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. The university adheres to the Integrated Postsecondary Education Data System definition of a credit hour as "a unit of measure representing the equivalent of an hour (50 minutes) of instruction per week over the entire term." Therefore, each single course credit requires a minimum of 700 minutes of continuous and ongoing instructional time. A minimum of one calendar week of instruction with a cumulative total of at least 700 minutes is required for each credit offered. This time excludes breaks and final exams.

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 600 - Personal and Professional Development for Student Pharmacists I (1 Credit)
The first course in the personal and professional development series imparts to the student pharmacist the knowledge, skills, abilities, behaviors, and attitudes necessary to provide patient education and demonstrate self-awareness and professionalism.
Prerequisites: first professional year standing.

PHMY 602 - Foundations of Pathophysiology and Pharmacology I (2 Credits)
An introduction to the basic principles and concepts of physiology, pathophysiology and pharmacology.
Prerequisites: First professional year standing.

PHMY 607 - Dosage Forms and Drug Delivery Systems (4 Credits)
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.
Prerequisites: First professional year standing.

PHMY 615 - Pharmaceutical Biochemistry (3 Credits)
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.
Prerequisites: First professional year standing.

PHMY 621 - Foundations of Medicinal Chemistry I (3 Credits)
This course includes an introduction to the basic principles and concepts of medicinal 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.
Prerequisites: First professional year standing.

PHMY 650 - Introduction to Pharmacy Practice (2 Credits)
Introduction to the professional issues relevant to the practice of pharmacy.
Prerequisites: First professional year standing.

PHMY 656 - Pharmacy Calculations (2 Credits)
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.
Prerequisites: First professional year standing.

PHMY 671 - Pharmacy Skills Lab I: Compounding and Applied Pharmaceutics (1 Credit)
The art, science and technology of pharmacy compounding.
Prerequisites: First professional year standing.

PHMY 680 - Introduction to Drug Information (1 Credit)
Basic principles of access and utilization of drug information resources.
Prerequisites: First professional year standing.

Spring P1

PHMY 601 - Personal and Professional Development for Student Pharmacists II (1 Credit)
The second course in the personal and professional development series imparts to the student pharmacist the knowledge, skills, abilities, behaviors, and attitudes necessary to provide patient education; patient and professional advocacy; collaborative and inclusive patient care; and to demonstrate self-awareness and professionalism.
Prerequisites: first professional year standing.

PHMY 603 - Foundations of Pathophysiology and Pharmacology II (3 Credits)
This is the second course in the series addressing the basic principles and concepts of physiology, pathophysiology and pharmacology.
Prerequisites: PHMY 602; first professional year standing.

PHMY 618 - Genomics, Pharmacogenomics, and Personalized Medicine (3 Credits)
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). Students will learn to apply knowledge of human genetic variation that influences drug therapy decision making. 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.
Prerequisites: First professional year standing.

PHMY 624 - Foundations of Medicinal Chemistry II (3 Credits)
In an integrated approach to first year pharmacy education, Foundations in Medicinal Chemistry II will serve as a complementary course to PHMY 618 Genomics, Pharmacogenomics, and Personalized Medicine. We will utilize the principles and concepts learned in general and organic chemistry and PHMY621 to introduce the general molecular properties of pharmaceutical agents. The course will consist of a survey of the medicinal chemistry of the remaining major drug classes not covered in PHMY 621. Pharmacogenomic information will be emphasized where known and applicable to help explain variations in both therapeutic and side effects due to receptor structure, metabolism and/or other pharmacokinetic properties.
Prerequisites: PHMY 621; first professional year standing.

PHMY 657 - Medical Terminology (1 Credit)
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.
Prerequisites: First professional year standing.

PHMY 661 - Clinical Applications II (1 Credit)
Case-based discussions that integrate and demonstrate applicability of other course material.
Prerequisites: First professional year standing.

PHMY 662 - Patient Care Fundamentals (1 Credit)
This course introduces basic patient care fundamentals such as interpreting laboratory values, patient care planning processes, and clinical documentation. The course integrates basic sciences concepts, such as pharmacogenomics, with patient care. It also affords the student opportunities to practice medical literature searches, literature evaluation, and to recognize the social determinants of health in order to diminish disparities and inequities in access to quality care.
Prerequisites: first professional year standing.

PHMY 670 - Pharmacy Skill Lab II: Introduction to Community Pharmacy (1 Credit)
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.
Prerequisites: First professional year standing.

PHMY 690 - Transforming Healthcare (1 Credit)
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.
Prerequisites: First professional year standing. COP. 04/26/2018.

PHMY 750 - Self-Care and Complementary Medicines (4 Credits)
A review of indications, contraindications, and cautions involved with the recommendation and dispensing of nonprescription (OTC) drug items and complementary medicines.
Prerequisites: First professional year standing.

Summer P1
PHMY 699 - Introductory Community Practice Pharmacy Experience (4 Credits)
Introduction to the practice of the pharmacy in the community pharmacy setting. Forty hours of directed experience per week for four weeks.
Prerequisites: First professional year standing.

Fall P2
PHMY 610 - Microbiology/Immunology (4 Credits)
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.
Prerequisites: Second professional year standing.

PHMY 700 - Personal and Professional Development for Student Pharmacists III (1 Credit)
The third course in the personal and professional development series which imparts to the student pharmacist the knowledge, skills, abilities, behaviors, and attitudes necessary to provide patient education and demonstrate self-awareness and professionalism.
Prerequisites: second professional year standing.

PHMY 710 - Biopharmaceutics and Pharmacokinetics (3 Credits)
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.
Prerequisites: PHMY 607; second professional year standing.

PHMY 722 - Pathophysiologyand Pharmacology I (3 Credits)
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.
Prerequisites: Second professional year standing.

PHMY 751 - Patient Care Applications I (1 Credit)
This course develops critical thinking skills required for pharmacy practice through case-based discussions and care plan development designed to integrate and demonstrate applicability of current coursework and previous knowledge gained from prior course material in patient centered care.
Prerequisites: second professional year standing.

PHMY 760 - Clinical Applications III (1 Credit)
Case-based discussions that integrate and demonstrate applicability of other course material in patient care.
Prerequisites: Second professional year standing.

PHMY 772 - Pharmacotherapy I (4 Credits)
This course is the first in a 4-semester sequence of courses providing an organ-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.
Prerequisites: Second professional year standing.

PHMY 790 - Pharmacy Skills Lab III: Introduction to Health-Systems Pharmacy (1 Credit)
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).
Prerequisites: Second professional year standing.

Spring P2

PHMY 701 - Personal and Professional Development for Student Pharmacists IV (1 Credit)
The fourth course in the personal and professional development series imparts to the student pharmacist the knowledge, skills, abilities, behaviors, and attitudes necessary to provide patient education; patient and professional advocacy; collaborative and inclusive patient care; and to demonstrate self-awareness and professionalism.
Prerequisites: second professional year standing.

PHMY 723 - Pathophysiology and Pharmacology II (2 Credits)
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.
Prerequisites: PHMY 722; second professional year standing.

PHMY 752 - Patient Care Applications II (1 Credit)
This course further develops critical thinking skills required for pharmacy practice through case-based discussions and care plan development designed to integrate and demonstrate applicability of current coursework and previous knowledge gained from prior course material in patient centered care.
Prerequisites: second professional year standing.

PHMY 761 - Clinical Applications IV (1 Credit)
Case-based discussions that integrate and demonstrate applicability of other course material in patient care.
Prerequisites: Second professional year standing.

PHMY 773 - Pharmacotherapy II (5 Credits)
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.
Prerequisites: PHMY 772; second professional year standing.

PHMY 780 - Outcomes Design and Assessment (3 Credits)
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.
Prerequisites: Second professional year standing.

PHMY 791 - Pharmacy Skills Lab IV: Applied Health-Systems Pharmacy (1 Credit)
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.
Prerequisites: PHMY 790; second professional year standing.

PHMY 890 - Clinical Pharmacokinetics (3 Credits)
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.
Prerequisites: PHMY 710; second professional year standing.

Summer P2

PHMY 798 - Introductory Institutional Practice Pharmacy Experience (4 Credits)
Introduction to the practice of the pharmacy in the institutional setting. Forty hours of directed experience per week for four weeks.
Prerequisites: Second professional year standing.

Fall P3

PHMY 771 - Pharmacy Skills Lab V: Applied Community Pharmacy (2 Credits)
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.
Prerequisites: PHMY 670; third professional year standing.

PHMY 800 - Personal and Professional Development for Student Pharmacists V (1 Credit)
The fifth course in the personal and professional development series which imparts to the student pharmacist the knowledge, skills, abilities, behaviors, and attitudes necessary to provide patient education and demonstrate self-awareness and professionalism.
Prerequisites: third professional year standing.

PHMY 822 - Pathophysiology and Pharmacology III (3 Credits)
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.
Prerequisites: PHMY 722, PHMY 723; third year professional standing.

PHMY 850 - Health Care Systems and Management (4 Credits)
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.
Prerequisites: Third professional year standing.

PHMY 860 - Clinical Applications V (1 Credit)
Case-based discussions that integrate and demonstrate applicability of other course material in patient care.
Prerequisites: Third professional year standing.

PHMY 862 - Patient Care Integration (1 Credit)
This course will primarily be a case-based class designed to enhance basic pharmaceutical science principles in which students clinically apply knowledge learned from current and past coursework in the University of South Carolina College of Pharmacy curriculum. Students will be required to develop assessments and plans for provided cases. SOAP notes will be required as specified. Each case will be fully discussed in each class period to enhance understanding of the topic. In addition to case-based discussions, students will be introduced to clinical practice exercises, including but not limited to a formulary review assignment, in preparation for the transition to Advanced Pharmacy Practice Experiences (APPEs) following the third professional year. Finally, students will be required to engage in peer evaluations throughout the course.
Prerequisites: third professional year standing.

PHMY 873 - Pharmacotherapy III (4 Credits)
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.
Prerequisites: PHMY 772, PHMY 773; third professional year standing.

PHMY 880 - Advanced Drug Information (2 Credits)
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.
Prerequisites: PHMY 680; third professional year standing.

Spring P3
PHMY 823 - Pathophysiology and Pharmacology IV (2 Credits)
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 an applied in a parallel sequence of courses in Pharmacotherapy using an organ-system based approach emphasizing pharmaceutical care and disease management.
Prerequisites: PHMY 822; third year professional standing.

PHMY 861 - Clinical Applications VI (1 Credit)
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.
Prerequisites: Third professional year standing.

PHMY 864 - Advanced Pharmacy Practice Experience Readiness (1 Credit)
This course is a capstone course that will primarily be an application of current and past coursework in the College of Pharmacy curriculum to enhance knowledge learned and prepare students for Advanced Pharmacy Practice Experiences (APPEs). Assignments, presentations, exams, and patient cases will allow students to apply previously learned knowledge and demonstrate mastery of skills. Students will be required to work both individually and in groups to complete course assignments.
Prerequisites: third professional year standing.

PHMY 801 - Personal and Professional Development for Student Pharmacists VI (1 Credit)
The final course in the personal and professional development series which imparts to the student pharmacist the knowledge, skills, abilities, behaviors, and attitudes necessary to demonstrate patient education; patient and professional advocacy, collaborative and inclusive patient care; leadership; innovation and entrepreneurship; self-awareness and professionalism.
Prerequisites: third professional year standing.

PHMY 874 - Pharmacotherapy IV (5 Credits)
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.
Prerequisites: PHMY 873; third professional year standing.

PHMY 885 - Pharmacy Law and Ethics (3 Credits)
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.
Prerequisites: Third professional year standing.

PHMY 895 - Clinical Assessment (3 Credits)
Development of clinical assessment skills necessary in the provision of pharmaceutical care to patients with a variety of disease states.
Prerequisites: Third professional year standing.

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
PHMY 963 - Acute/General Medicine Pharmacy Practice Experience I (4 Credits)
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.
Prerequisites: Fourth professional year standing.

PHMY 964 - Acute/General Medicine Pharmacy Practice Experience II (4 Credits)
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.
Prerequisites: fourth professional year standing.

PHMY 965 - Acute/General Medicine Pharmacy Practice Experience III (4 Credits)
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.
Prerequisites: fourth professional year standing.

PHMY 966 - Acute/General Medicine Pharmacy Practice Experience IV (4 Credits)
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.
Prerequisites: fourth professional year standing.

PHMY 967 - Acute/General Medicine Pharmacy Practice Experience V (4 Credits)
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.
Prerequisites: fourth professional year standing.

PHMY 968 - Acute/General Medicine Pharmacy Practice Experience VI (4 Credits)
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.
Prerequisites: fourth professional year standing.

PHMY 969 - Acute/General Medicine Pharmacy Practice Experience VII (4 Credits)
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.
Prerequisites: fourth professional year standing.

PHMY 970 - Ambulatory Care Pharmacy Practice Experience I (4 Credits)
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.
Prerequisites: fourth professional year standing.

PHMY 971 - Ambulatory Care Pharmacy Practice Experience II (4 Credits)
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.
Prerequisites: fourth professional year standing.

PHMY 972 - Ambulatory Care Pharmacy Practice Experience III (4 Credits)
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.
Prerequisites: fourth professional year standing.

PHMY 973 - Ambulatory Care Pharmacy Practice Experience IV (4 Credits)
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.
Prerequisites: fourth professional year standing.

PHMY 974 - Ambulatory Care Pharmacy Practice Experience V (4 Credits)
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.
Prerequisites: fourth professional year standing.

PHMY 975 - Ambulatory Care Pharmacy Practice Experience VI (4 Credits)
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.
Prerequisites: fourth professional year standing.

PHMY 976 - Community Pharmacy Practice I (4 Credits)
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.
Prerequisites: fourth professional year standing.

PHMY 977 - Community Pharmacy Practice II (4 Credits)
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.
Prerequisites: fourth professional year standing.

PHMY 978 - Community Pharmacy Practice III (4 Credits)
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.
Prerequisites: fourth professional year standing.

PHMY 979 - Community Pharmacy Practice IV (4 Credits)
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.
Prerequisites: fourth professional year standing.

PHMY 980 - Hospital/Health System Pharmacy Practice Experience I (4 Credits)
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.
Prerequisites: fourth professional year standing.

PHMY 981 - Hospital/Health System Pharmacy Practice Experience II (4 Credits)
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.
Prerequisites: fourth professional year standing.

PHMY 982 - Hospital/Health System Pharmacy Practice Experience III (4 Credits)
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.
Prerequisites: fourth professional year standing.

PHMY 983 - Elective Pharmacy Practice Experience I (4 Credits)
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.
Prerequisites: fourth professional year standing.

PHMY 984 - Elective Pharmacy Practice Experience II (4 Credits)
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.
Prerequisites: fourth professional year standing.

PHMY 985 - Elective Pharmacy Practice Experience III (4 Credits)
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.
Prerequisites: fourth professional year standing.

PHMY 986 - Elective Pharmacy Practice Experience IV (4 Credits)
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.
Prerequisites: fourth professional year standing.

PHMY 987 - Elective Pharmacy Practice Experience V (4 Credits)
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.
Prerequisites: fourth professional year standing.

PHMY 999 - Grand Rounds (1 Credit)
Regularly scheduled, formal, oral presentations with audiovisuals on controversial or new areas of pharmacotherapeutics, pharmacoeconomics, pharmaceutics, 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.
Prerequisites: fourth professional year standing.

Elective Courses

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

P2
PHMY 786 - Pediatric Pharmacotherapy (2 Credits)
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.
Prerequisites: second professional year standing.

PHMY 792 - Advanced Pharmacy Compounding I (1 Credit)
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.
Prerequisites: second professional year standing.

PHMY 793 - Advanced Topics in Pharmacy Compounding II (1 Credit)
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.
Prerequisites: second professional year standing.

PHMY 794 - Pharmacist Entrepreneurship (3 Credits)
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.
Prerequisites: second professional year standing; recommended that student has completed an accounting course.

P3

PHMY 776 - Developing a Medication Therapy Management Service (2 Credits)
This course will prepare students to develop and implement a pharmaceutical 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.
Prerequisites: third professional year standing.

PHMY 851 - Acute Care Therapeutics (2 Credits)
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.
Prerequisites: third professional year standing.

PHMY 857 - Community Pharmacy Practice and Operations (2 Credits)
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.
Prerequisites: third professional year standing.

PHMY 858 - Drug Interactions (2 Credits)
This course is designed to prepare students to appropriately recognize, predict, assess, and manage drug interactions that are encountered in pharmacy practice.
Prerequisites: third professional year standing.

PHMY 859 - Design and Conduct of Clinical Research Studies (2 Credits)
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.
Prerequisites: third professional year standing.

PHMY 863 - Medication Safety Management (2 Credits)
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.
Prerequisites: third professional year standing.

PHMY 879 - Patient-Centered Approach to Medication Therapy Management (2 Credits)
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.
Prerequisites: third professional year standing.

PHMY 881 - Senior Care Pharmacy Practice (2 Credits)
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.
Prerequisites: third professional year standing.

PHMY 884 - Delivering MTM Services (2 Credits)
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.
Prerequisites: third professional year standing.

PHMY 886 - Pharmacotherapy Cases (2 Credits)
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.
Prerequisites: third professional year standing.

PHMY 898 - Telemental Health (3 Credits)
The objective of this course is to introduce nursing, pharmacy and social work students to direct telemental health practice in health settings – the use of telecommunications technology to provide behavioral health sciences. This course provides health professions students with a detailed examination of the use of telehealth processes to transform the provision of healthcare. Through an interprofessional context, students will learn the history and status of telemental health activities; engage with stimulated and live telemental health learning experiences; understand the use of telemental health to improve healthcare access and population health; and embrace the changing models of care resulting from advancing telemental health technologies.
Prerequisites: third professional year standing.

P2 or P3

PHMY 716 - Special Project, Dept. of Pharmaceutical & Biomedical Sciences (1-4 Credits)
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.
Prerequisites: second or third professional year standing or in fulfillment of graduate program requirement or honors thesis.

PHMY 717 - Cancer: Causes, Treatment, and Prevention (2 Credits)
An overview of basic concepts in cancer epidemiology, genetics, and biology, and the therapeutic approaches utilized in the prevention and treatment of cancer.
Prerequisites: second or third professional year standing.

PHMY 756 - Clinical Immunology and Transplant (2 Credits)
This course will introduce students to the principles of solid organ transplantation (SOT) and the role of a pharmacist in the continuum of care for transplant recipients through case-based learning and exposure to primary literature. Students will learn indications, common disease processes, and complications associated with kidney, pancreas, liver, lung, and heart transplantation in addition to the management of population-specific immunosuppression pharmacotherapy regimens.
Prerequisites: second or third professional year standing.

PHMY 757 - Special Project, Dept of Pharmacy and Outcome Sciences (1-4 Credits)
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.
Prerequisites: second or third professional year standing or in fulfillment of graduate program requirement or honors thesis.

PHMY 762 - Creating Pharmacy Leaders (2 Credits)
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.
Prerequisites: second or third professional year standing.

PHMY 763 - Introduction to Pharmacy Pathways and Careers (3 Credits)
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.
Prerequisites: second or third professional year standing.

PHMY 764 - Personal Finance (3 Credits)
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.
Prerequisites: second or third professional year standing.

PHMY 765 - Pharmaceutical Industry Practice (2 Credits)
This course will provide students with an overview of the pharmaceutical industry with an emphasis on the drug development process, including sales, clinical research, regulatory affairs, and marketing. Pharmaceutical company representatives will serve as guest lecturers and discuss their roles in their company.
Prerequisites: second or third year professional year standing.

PHMY 766 - Alternative Medicine (2 Credits)
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.
Prerequisites: second or third professional year standing.

PHMY 774 - Pharmacy Political Advocacy (2 Credits)
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.
Prerequisites: second or third professional year standing.

PHMY 779 - Advanced Self-Care (2 Credits)
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.
Prerequisites: second or third professional standing.

PHMY 784 - Post-graduate and Research Training (2 Credits)
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.
Prerequisites: second or third professional year standing.

PHMY 788 - Interprofessional Prevention of Childhood Obesity (2 Credits)

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.
Prerequisites: second or third professional year standing.

PHMY 855 - The What, Why, and How of Health Sciences Research (1 Credit)

Students will be exposed to the process of designing a research experiment from idea conception through manuscript submission, including protocol development, IRB approval, abstract submission, grant funding, and peer review. Students will also familiarize themselves with technology commonly used in data collection, analysis, and manuscript writing. Weekly opportunities to engage with accomplished health science researchers will allow the student to be exposed to numerous research designs. The overall goal of this course is to make the student prepared to step in and work in a faculty mentored research study.
Prerequisites: second or third professional year standing.

PHMY 856 - Evidence Based Medicine (2 Credits)

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.
Prerequisites: second or third professional year standing.

PHMY 882 - Integrated Pharmacy: Infectious Diseases Pharmacotherapy in Patient Care (2 Credits)

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.
Prerequisites: second or third professional year standing.

PHMY 891 - Clinical Pharmacogenomics and Advanced Personalized Medicine (3 Credits)

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.
Prerequisites: second or third professional year standing.

DEGREES OFFERED

Bachelor of Science in Pharmaceutical Sciences

Beginning with the Class of 2019, students admitted to the University of South Carolina (UofSC) 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.

Doctor of Pharmacy

The Doctor of Pharmacy degree is offered as a full-time degree program requiring four professional level academic years, which includes introductory pharmacy practice experiences and some advanced pharmacy practice experiences that must be completed during the summer semesters. A total of 221 hours (66 hours of pharmacy prerequisites and 155 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.

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. 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 pharmacist licensure exams (e.g., NAPLEX and MPJE). Some states may have specific requirements that applicants for licensure must meet in addition to graduating from an ACPE-accredited program. 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 student may wish to become licensed following graduation: https://nabp.pharmacy/boards-of-pharmacy/. Additional information may be found at the Academic Programs Professional Licensure website: https://www.sc.edu/about/offices_and_divisions/provost/planning/academicprograms/state-authorization/professional-licensure-info.php

Combination Degree Programs

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

- Pharm.D./Master of Business Administration (MBA)
- Pharm.D./Master of Health Information Technology (MHIT)

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

Optional Academic Track Programs

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

- Kennedy Pharmacy and Innovation Center (KPIC) 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 pharmacy settings. The tracks provide activities that students can participate in outside the classroom (networking, 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.

MISSION STATEMENTS

University of South Carolina Mission Statements

UofSC System Mission Statement

Approved by the Board of Trustees – October 11, 2019

Approved by the South Carolina Commission on Higher Education – December 5, 2019

The primary mission of the University of South Carolina System is the education of the state's diverse citizens through teaching, research, creative activity, and community engagement. This public university system serves students from its flagship Columbia campus, three comprehensive universities (Aiken, Beaufort, and Upstate), and four regional Palmetto College campuses (Lancaster, Salkehatchie, Sumter, and Union).

The University of South Carolina System offers degree programs at the associate's, bachelor's, master's, and doctoral levels. Through classroom and laboratory instruction delivered in a variety of face-to-face and distance learning formats and modalities, degree programs are offered in the following areas: arts and sciences; business; education; engineering and computing; hospitality, retail, and sport management; information and communications; law; medicine; music; nursing; pharmacy; public health; and social work.

With a flagship campus recognized by the Carnegie Foundation as a top research and community engaged institution and nationally ranked in start-up businesses, and an eight-campus system that confers nearly 40% of all bachelor's and graduate degrees awarded at public institutions in South Carolina, the university has a profound relevance, reach, and impact on the people of the state. The University of South Carolina System provides all students with the highest-quality education, including the knowledge, skills, and values necessary for success and responsible citizenship in a complex and changing world through engagement in nationally and internationally ranked research, scholarship, service, and artistic creation

UofSC Columbia Mission Statement

Approved by the Board of Trustees – October 11, 2019

Approved by the South Carolina Commission on Higher Education – December 5, 2019

The primary mission of the University of South Carolina Columbia is the education of the state's citizens through teaching, research, creative activity, and community engagement. Among America's oldest and most comprehensive public universities, the University of South Carolina Columbia is the major research institution of the university system and its largest campus. At the heart of its mission lies the university's responsibility to state and society to promote the dissemination of knowledge, cultural enrichment, and an enhanced quality of life.

The University of South Carolina Columbia serves a diverse population of students with widely varying backgrounds, career goals, and levels of aspiration. The university offers over 320 degrees at the bachelor's, master's, doctoral, and professional program levels, affording students the most comprehensive array of educational programs in the state. Opportunities for personal and career development are provided to the citizens of South Carolina through outreach and continuing education activities. The university provides additional opportunities for associate degrees through Fort Jackson and through the oversight of regional Palmetto College campuses (Lancaster, Salkehatchie, Sumter, and Union).

Through classroom and laboratory instruction delivered in a variety of face-to-face and distance learning formats and modalities, degree programs are offered in the following areas: arts and sciences; business; education; engineering and computing; hospitality, retail, and sport management; information and communications; law; medicine; music; nursing; pharmacy; public health; and social work. The depth and breadth of its graduate programs distinguishes the University of South Carolina Columbia from all other institutions of higher learning in South Carolina.

Recognized by the Carnegie Foundation as a top research and community engaged institution, nationally ranked in start-up businesses, and conferring over 30% of all bachelor's and graduate degrees awarded at public institutions in South Carolina, the university has a profound relevance, reach, and impact on the people of the state. As the flagship institution of the university system, the University of South Carolina Columbia leads the way in providing all students with the highest-quality education, including the knowledge, skills, and values necessary for success and responsible citizenship in a complex and changing world through engagement in nationally and internationally ranked research, scholarship, community outreach, and artistic creation.

College of Pharmacy Purpose Statements

Vision

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

- 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

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
- Fostering faculty and staff development

POLICIES AND REGULATIONS

Academic Policies

Grading Procedures

- 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 during the same academic year, but are not considered passing grades.
- Required courses in which students earn grades of D+, D, F, or U must be repeated. A required course may only be repeated one time; a second deficiency will result in dismissal from the Pharm.D. program.
- Grades of S and U indicate, respectively, satisfactory (passing) and unsatisfactory (failing) performance in courses carried under the Pass-Fail option.
- Per UofSC policy, W (Withdrawn Without Penalty) is assigned for student withdrawal from a course after the late registration period but before the drop date. A WF (Withdrawn With Penalty), which counts as an F in GPA calculation, is assigned for student withdrawal from a course after the drop date prescribed in the UofSC 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 in those cases where a WF is assigned. 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 UofSC 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 (Failure) 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.
- 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 next course in that sequence when the first course has been designated as a prerequisite to the affected course. The student must retake the failed course and receive a grade of C or better before taking the next sequenced course(s), which may delay a student's progression.
- Students must have no required 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.
- 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
- 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.
- 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.

Academic Accommodations

The UofSC Student Disability Resource Center grants reasonable student academic accommodations. Students requesting academic accommodations at UofSC should contact the Student Disability Resource Center (https://www.sc.edu/about/offices_and_divisions/student_disability_resource_center/) directly. Students on the Greenville campus must also utilize the UofSC Student Disability Resource Center in order to be granted accommodations.

Students who believe they may require accommodations are strongly suggested to meet with the Senior Associate Dean or Associate Dean for Student Affairs & Diversity prior to their meeting/communication with the UofSC Student Disability Resource Center. The purpose for this meeting is to equip the student with information regarding courses, including IPPEs and APPEs, that may be necessary to discuss with the UofSC Student Disability Resource Center as accommodations are being determined.

Once Faculty are notified by the UofSC Student Disability Resource Center of a student's accommodations, they are required by the Americans with Disabilities Act to provide the approved accommodations for the student.

After accommodations are approved by the UofSC Student Disability Resource Center, the student is responsible for setting an appointment with EACH course coordinator of courses which the accommodations may be utilized in order to verify the receipt of documentation regarding the accommodations so that appropriate planning can be completed for the semester. This should occur prior to the first exam in which the student wishes to use the accommodation(s), but after the accommodation(s) has/have been electronically communicated to the course coordinators.

Students with accommodations will communicate directly with individual course coordinators to discuss use of accommodations within each specific course's structure.

- Due to unique, hands-on, or experiential structure of many courses within the curriculum, situations may arise in which application of issued accommodations is challenging. If a course coordinator is unable to determine a method to honor accommodations within their course, the affected student must arrange a meeting with the Senior Associate Dean. The Senior Associate Dean will work with the student, faculty member, and UofSC Student Disability Resource Center to formulate a solution that assists the student, as well as meets the expectations and requirements for the course.

Students with accommodations involving exams must communicate directly with the course coordinator at least **5 business days prior to each exam** in order to ensure that the faculty member knows that an

accommodation will be utilized for the exam and the location at which the student will test (i.e. pharmacy classroom, virtually proctored testing environment (when applicable), or proctor room). It is the student's responsibility to schedule exams requiring the use of the proctor room per the guidelines and scheduling processes of the UofSC Student Disability Resource Center. Failure to notify the course coordinator as described above or to schedule exams requiring use of the proctor room per the guidelines of the UofSC Student Disability Resource Center will result in inability to utilize accommodations for that exam.

- Students choosing NOT to utilize issued accommodations for an exam must notify the affected course coordinator at least 5 business days prior to the exam for planning purposes and exam security reasons. If the student has previously scheduled to take an exam at the university proctor room, they must also utilize UofSC Student Disability Resource Center policies regarding cancellation. A student who has previously scheduled to utilize the proctor room for an exam must utilize the university proctor room for that particular exam unless they notify the course coordinator within at least 5 business days that they desire to take the exam as scheduled within the regular classroom.

Examinations will be taken during the regularly scheduled class time when possible. If a conflict exists, then:

- 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 proctor room.
- The UofSC Student Disability Resource Center proctoring room may be utilized for students requiring accommodations. Due to capacity limits, the course coordinator may schedule separate times to test enrolled students with accommodations at the UofSC Student Disability Resource Center proctoring room, if necessary, after discussing with the center.

Accommodated students may elect to miss classes to begin an exam early or finish an exam late in the confines of their approved accommodations. Accommodated students may not miss a class with required attendance.

If accommodated students opt to take an 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 UofSC Office of Student Conduct and/or Student Policy & Professionalism Committee (College of Pharmacy) for sanctions.

Faculty are encouraged to have the accommodated student(s) attempt the exam in the same format as the entire class (computer or paper). The only exception is if the accommodation relates to the exam format administration (paper or computer).

Faculty should ensure that accommodated students who receive extra time on an exam are able to remain in one location for the entire time allotted per the accommodation if possible.

Scholastic Standing Policies
Progression
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.

Students must remove any deficiencies by the beginning of each fall semester in order to be promoted to the next year. This may be accomplished by taking summer courses, if available. Summer courses are not regularly offered. Summer course availability is subject to the ability of the College to offer the needed course. No student will be allowed to attempt a remedial summer course without a successful petition outcome from the College of Pharmacy Scholastic Standing & Petitions Committee.

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, Senior Associate Dean, and Curriculum Committee.

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 UofSC drop date will receive a grade of W; students who withdraw from a course after the established UofSC drop date will receive a grade of WF, which calculates as a zero for purposes of computing a student's GPA.

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.

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 approved electives by the end of the third professional year.

Students will not be allowed to attempt 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 attempt 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.

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:

Dosage Forms & Drug Delivery and Biopharmaceutics and Pharmacokinetics

Foundations of Pathophysiology & Pharmacology I and II

Foundations of Medicinal Chemistry 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

Biopharmaceutics & Pharmacokinetics and Clinical Pharmacokinetics

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.

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) or in PHMY 750 Self-Care and Complementary Medicine. 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/or PHMY 791 (Pharmacy Skills Lab III – IV).

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.

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 per the Suspension section (p. 25).

No student will be allowed to take more than two courses per summer. A student may choose to self-suspend for an academic year instead of attempting two courses (if offered) during a summer session.

No student will be allowed to take a required course (except IPPEs and APPEs) for the first attempt in a summer session.

Any IPPE and/or Advanced Pharmacy Practice Experience (APPE) experiential course deficiency (obtaining a D+, D, F, or U) 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 the Experiential office. Students who elect to complete ten APPEs must complete an eleventh rotation in the event of a rotation deficiency.

Students with a deficiency (obtaining a D+, D, or F) in more than one APPE rotation will be dismissed from the program.

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). Students must not have earned any course deficiencies for the academic year immediately preceding admission into a combination degree program.

Suspension

Suspension means that a student will be prohibited (suspended) from progressing to the next professional year. For P1 and P2 students, the period of suspension will include the fall and spring semesters of the academic year during which the student is remediating coursework. For P3 students, the period of suspension may include the fall and/or spring of the academic year during which the student is remediating coursework. Students will be suspended if, by the beginning of a fall semester, the student has not successfully remediated any deficiency earned in a required course taken during the previous professional year.

A suspended student may repeat required course(s) once in order to remove deficiencies and strengthen areas of weakness. (Additionally, the student may utilize electives to improve the overall GPA and strengthen areas of weakness during their academic matriculation.)

A suspended student who completes their suspension period and successfully remediates all required course deficiencies will be removed from suspension, placed on academic probation (see definition within this document) and allowed to progress in the curriculum.

If a student withdraws from the professional program while on suspension and later returns, the student remains on suspension until they have completed their original suspension period and successfully remediated all required course deficiencies.

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.

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.

Academic Probation

Academic probation is defined as the time in the professional program immediately following a suspension period. The purpose of the academic probation period is to provide additional monitoring and oversight of students who have a history of prior academic difficulty.

Students on probation must demonstrate their ability to consistently and satisfactorily progress in the curriculum, by maintaining a minimum cumulative pharmacy GPA of 2.0 and meeting promotion requirements. A student will be dismissed if they earn any additional required course deficiencies while on academic probation. The probation period will consist of the equivalent of two consecutive semesters, not to include summer.

If a student withdraws from the professional program while on probation and later returns, the student remains on academic probation until they have completed the equivalent of two consecutive semesters, not to include summer.

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.

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.

Students must not be on probation during the academic year immediately preceding admission into a combination degree program.

Failure to satisfy the terms of probation will result in dismissal.

Dismissal

Dismissal is the mandatory withdrawal of a student.

A student will be dismissed if they fail to attain a minimum cumulative pharmacy GPA of 2.0 by the conclusion of a period of suspension. While on probation, a student will be dismissed if they earn any new deficiencies or fail to attain a minimum cumulative GPA of 2.0 by the conclusion of a period of probation.

A student may repeat a course in the professional curriculum only once. Failure to remove the course deficiency in a required course after the second attempt will result in the student's dismissal.

If a student has deficiencies in more than four courses during any given academic year, he/she will automatically be dismissed from the program.

Students with a deficiency in more than one APPE rotation will be dismissed from the program.

Students may be dismissed for lack of professionalism and/or professional misconduct.

Students may be dismissed by the College of Pharmacy and/or the University of South Carolina dependent upon individual student situation.

After dismissal, the college will not accept any course work from the student to complete the Doctor of Pharmacy program or final two years of the Bachelor of Science in Pharmaceutical Sciences degree.

Petitions

Any student seeking an exception to the academic standards may petition the College of Pharmacy Scholastic Standing and Petitions Committee. Students have 3 business days from the date they receive written notification of their deficiency, suspension, or dismissal to notify the Associate Dean for Student Affairs and Diversity, who will serve as liaison and provide all documents to the Chair of the committee, of their intent to petition. A petition may be approved or denied by the Scholastic Standing and Petitions Committee based on the merits of the individual situation. The petition process will be handled through the College of Pharmacy Scholastic Standing and Petitions Committee.

Students desiring to take a course as remediation during a summer term must petition the College of Pharmacy Scholastic Standing and Petitions Committee for permission to take the remedial summer course if it is offered.

The College of Pharmacy Scholastic Standing and Petitions Committee does not have the authority to change grades assigned by faculty or preceptors.

The Senior Associate Dean will review petition decisions as submitted by the College of Pharmacy Scholastic Standing and Petitions Committee. The Senior Associate Dean will issue final communication regarding the petition decision to the student.

When the College of Pharmacy Scholastic Standing and Petitions Committee approves a student's petition to overturn their suspension or dismissal status, the committee will determine the student's academic probation status and set the student's length of probation.

Students whose petition was denied may appeal 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. Any appeal to the Dean must be received no later than 30 days from receipt of the notification of petition denial.

Students who separated from the College of Pharmacy while not in good academic and/or professional standing, whose absence has been more than 2 years but less than 10 years, may petition to return to the professional program by submitting a formal, written statement including the cause for their separation, reasons for their desire to return, and actions they have taken to ensure their readiness for return. Students whose separation from the College of Pharmacy has been greater than 10 years are ineligible to petition to return and must reapply for admission.

A petition for readmission must be submitted to the Associate Dean for Student Affairs and Diversity. The petition process will be handled by the College of Pharmacy Scholastic Standing and Petitions Committee.

Course Policies
Student Expectations & Attendance

Students are obligated to complete all assigned work promptly, to attend class regularly, and to participate in class discussions/group exercises.

Students must be physically present in class in order to receive credit for attendance, in-class quizzes, participation assignments, etc. In the case of synchronous web-based courses, students must be logged in prior to the start of class and remain present throughout the entirety of the class in order to receive credit for attendance, in-class quizzes, participation assignments, etc.. Students who utilize methods to receive credit for in-class assignments while being physically located outside the classroom or not logged into the web-based course will be referred to the UofSC Office of Academic Integrity and provided grade sanctions as per individual course syllabi.

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.

Students are required to attend 100 percent of laboratory course meetings.

The Associate Dean for Student Affairs and Diversity or Senior Associate Dean (or their designee) 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 or laboratory day unless preapproved through the Dean's Office. All other class absences must be approved by the course coordinator.

The College of Pharmacy follows the University of South Carolina policy on observance of religious holy days.

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.

Severe Weather Policy

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.

Students should access the UofSC 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 and should follow the guidelines of the university regarding cancellation or delay of classes.

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 posting a notice on the front page of the College of Pharmacy website 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.

The Greenville Campus 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.

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, provided via synchronous web-based instruction, or alternate arrangements made available to all College of Pharmacy students whose campus was affected.

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 or, when possible, delivered as scheduled using virtually proctored examination technology.

UofSC 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.

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.

Greenville campus students may attend classes on the Columbia campus for an individual day at a time as needs may arise of which the student will be present on the Columbia campus for an extracurricular or co-curricular event that day. Individual day attendance in these situations does not require a written or pre-approval from the Associate Dean

for Student Affairs and Diversity. However, the affected student is responsible for communicating with the course coordinators on both campuses for the day in advance to determine any complications of this temporary attendance (i.e. in cases of exams or group presentations).

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 Greenville Campus and any course-specific instances requiring such technology. Use of distance education is not a substitute for in-class attendance as the UofSC College of Pharmacy is not an online Pharm.D. program. The UofSC College of Pharmacy may utilize synchronous web-based instruction to deliver course content when live course meetings cannot be held due to weather, public health, or other emergencies.

Student Honor Code Policy

Policies regarding honor code and academic integrity for students enrolled in the College of Pharmacy are defined in the UofSC Honor Code, Carolinean Creed, and UofSC Office of Student Conduct and Academic Integrity website.

Any reports of potential Student Honor Code violation by faculty, staff, or students may be sent to the UofSC Office of Academic Integrity. The UofSC Office of Student Conduct and Academic Integrity website will provide the guidelines for dealing with these situations.

Students who receive a "Responsible" finding from an incident that was dealt with by the UofSC Office of Student Conduct and Academic Integrity are also subject to sanctions at the College of Pharmacy level, which are described in the Professionalism Policy housed in this document.

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, obtain written permission, and to follow UofSC 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 and may not be distributed by students through any avenue (i.e., text, social media).

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 UofSC 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.

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. This system will be utilized throughout courses in the didactic curriculum.

Testing Policies
Test Scheduling

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.

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 will be given during the week prior to final exams, except in the case of lab courses or when the last day of class is utilized to administer the final exam in a course.

A test schedule will be distributed to all students via posting to the College intranet and learning management system by the first day of class each semester at which time this test schedule is considered final. 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 course 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 in addition to course level approval.

P1 and transfer 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.

Final examinations will be scheduled in accordance with the College of Pharmacy final exam schedule.

This test policy may be suspended or altered due to severe weather or natural disaster to facilitate rescheduling of missed classes and tests.

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.

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.

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.

After each major examination, students earning grades of D+, D, or F are strongly encouraged to contact and meet with respective course coordinators regarding their performance on the exam and mechanisms for improvement. At the midpoint of the semester, the professor of record for each required didactic and laboratory course will be asked to provide the names of students at risk for receiving grades of D+, D, or F within their course to the Dean's Office. 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.

Minimum Required Examination Procedures

No examination materials (including scratch paper) are to leave the room under any circumstances during the actual examination period or during an examination review. In the case of virtually proctored electronic examinations, no content from any examination may be copied, photographed, or replicated in any way during the actual examination period or during an examination review. Scratch paper must be destroyed immediately following the examination.

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).

In the case of in-class examinations, 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 to assign a grade of zero for the electronic exam of which a student fails to bring their personal laptop, 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. Students may not utilize college loaner computers as their method of completing electronic exams for an extended period of time.

In the case of virtually proctored examinations, all books, notes, reference materials (paper or electronic), headphones, earbuds, cell phones, smart watches, and other electronic devices are to be placed in a

separate location (preferably a different room) during the entirety of the examination. The student will be required to provide an appropriate environment scan at the beginning of the examination. An appropriate environment scan is one in which the student displays the 360 degrees around their testing location in a slow manner allowing the proctor to ensure that no unacknowledged/disallowed aid is present. When utilized, scratch paper must be shown as part of the environment scan to be clean on both sides and free of any unacknowledged aid. Unless directed otherwise by the course coordinator, the only items allowed in the student's testing environment are their computer/charger being used to take the exam, webcam with microphone (if separate from computer), calculator (if allowed by course coordinator), scratch paper and pencil.

Unauthorized use of any of the following during an examination will be considered a violation of the UofSC Honor Code: cell phones, PDAs, iPods, computers, iPads, smart watches or any time-keeping devices, headphones, earbuds, or any similar electronic devices. These devices are to be turned off and stored separately from the student during examinations. During in-class examinations, these devices must be stored in book bags during the examinations as well as during exam review sessions and until exiting the room.

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 or to the student's body. Students are to be seated with at least one empty chair between individuals when facilities and space allow during in-class examinations.

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.

Clocks will be maintained in each of the classrooms.

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 in-class examinations, 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. In the case of virtually proctored electronic examinations, any student experiencing technical difficulties at the time of an exam is expected to contact the UofSC College of Pharmacy information technology (IT) support staff and the course coordinator upon realizing that a problem exists.

Students are expected to arrive on time for scheduled exams. Students are expected to begin virtually proctored examinations at the respective course's start time or as instructed by the course coordinator. Arriving late to an exam or starting a virtually proctored examination late when not due to technical difficulties reported to the course coordinator and IT staff are unprofessional and considered in 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.

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, though may be addressed post-test in order to remain fair to students completing exams in alternate locations or on alternate dates.

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 or otherwise stored in a separate location from the test-taker.

Restroom breaks are discouraged during in-class examinations and prohibited during virtually proctored examinations. If restroom breaks are needed during an in-class examination, only one student at a time will be allowed to leave the exam room and a faculty member may accompany the student. Students must leave all belongings in the classroom in this situation to avoid perceived or real academic integrity incidences.

Cheating in any form is not allowed and will be considered an honor code violation and immediately referred to the UofSC Office of Student Conduct and Academic Integrity. Course coordinators may enact grade sanctions for the course dependent on the UofSC Office of Student Conduct and Academic Integrity resolutions.

Students should take all personal items and exit the exam room upon completion of in-class exams. Students are not permitted to reenter the exam room until all students have completed the exam.

Accreditation Policies and Student Rights

Southern Association of Colleges and Schools Commission on Colleges (SACS COC) Disclosure Statement

The University of South Carolina Columbia is accredited by the Southern Association of Colleges and Schools Commission on Colleges to award associate, baccalaureate, master's, and doctoral degrees. The regional Palmetto College campuses (Lancaster, Salkehatchie, Sumter, and Union) are branch campuses of the University of South Carolina Columbia; the branch campuses' accreditation is dependent on the continued accreditation of the University of South Carolina Columbia. Contact the Commission on Colleges at 1866 Southern Lane, Decatur, Georgia 30033-4097 or call 404-679-4500 for questions about the accreditation of the University of South Carolina Columbia.

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.

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@acpeaccredit.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: https://www.acpe-accredit.org/.

Notification of Student Rights Under FERPA

The Family Educational Rights and Privacy Act (FERPA) affords students certain rights with respect to their education records. These include the following:

1. The right to inspect and review their education records within 45 days of the day the University receives a request for access.
    a. Students should submit written requests that identify the record(s) they wish to inspect to the registrar, dean, academic department head, or other appropriate official.
    b. The University official will make arrangements for access and notify the student of the time and place where the records may be inspected.
    c. If the records are not maintained by the University official to whom the request was submitted, that official shall advise the student of the correct official to whom the request should be addressed.
2. The right to request amendment of student education records that the student believes are inaccurate or misleading.
    a. Students may ask the University to amend a record that they believe is inaccurate or misleading. They should write the University official responsible for the record, clearly identify the part of the record they want changed, and specify why it is inaccurate or misleading.
    b. If the University decides not to amend the record as requested by the student, the University will notify the student of the decision and advise the student of the right to a hearing regarding the request for amendment. Additional information regarding the hearing procedures will be provided to the student with notification of the right to a hearing.
3. The right to consent to disclosures of personally identifiable information contained in the student's education records, except to the extent that FERPA authorizes disclosure without consent. The University of South Carolina will disclose information from a student's education records only with the written consent of the student, except:
    a. to school officials with legitimate educational interests (A school official is a person employed by the University in an administrative, supervisory, academic or research, or support staff position; a person or company with whom the University has contracted [such as an attorney, auditor, or collection agent]; a person serving on the Board of Trustees; or a student serving on an official committee, such as a disciplinary or grievance committee, or assisting other school officials in performing their tasks. A school official has a legitimate educational interest if

the official needs to review an education record in order to fulfill a professional responsibility.)
    b. to officials of other institutions in which the student seeks or intends to enroll provided that the student has previously requested a release of the record
    c. to authorized representatives of the U.S. Department of Education, the comptroller general of the United States, state educational authorities, organizations conducting studies for or on behalf of the University, and accrediting organizations
    d. in connection with a student's application for, and receipt of, financial aid
    e. to comply with a judicial order or lawfully issued subpoena
    f. to parents of dependent students as defined by the Internal Revenue Code, Section 152
    g. to appropriate parties in a health or safety emergency
    h. to the alleged victim of any crime of violence of the results of any disciplinary proceedings conducted by the University.

The University of South Carolina has designated the following items as directory information: a student's name; electronic mail address; local and permanent mailing addresses and telephone numbers; semesters of attendance; enrollment status (full- or part-time); date of admission; date of graduation; school; major and minor fields of study; whether or not currently enrolled; classification (freshman, etc.); type of degree being pursued; degrees; honors; and awards received (including scholarships and fellowships); weight and height of members of athletic teams; and whether the student has participated in officially recognized activities and sports sponsored by the University.

The University may disclose any of these items without prior written consent, unless the student has submitted a written request to the Office of the University Registrar not to release directory information. Requests will be processed within 24 hours after receipt. Telephone directories are published during the summer; students eligible to enroll for the upcoming fall term will be listed in the printed directory unless the Office of the University Registrar is notified by May 31. The electronic directory is updated each weekend; requests for nondisclosure will be honored with the next update after the request is processed by the staff of the office of the University registrar.

The right to file a complaint with the U.S. Department of Education concerning alleged failures by the University of South Carolina to comply with the requirements of FERPA. The name and address of the office that administers FERPA is: Family Policy Compliance Office, U.S. Department of Education, 400 Maryland Avenue SW, Washington, DC 20202-4605.
Questions concerning this law and the University's procedures for release of academic information may be directed to the Office of the University Registrar at 803-777-5555.

Admissions
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.

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.

Pharm.D. Program Prerequisite Course Requirements

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

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

Notes:

- All pharmacy prerequisites must be successfully completed with a "C-" or better by the start of P1 Orientation, which occurs directly prior to the Fall semester of professional year one.
- Courses assigned a Pass/Fail grading option will meet our requirements pending documentation that the Passing grade is equivalent to a C- or higher.
- The Public Speaking/Speech and all laboratory courses must be completed via a live methodology; online courses will not meet our requirements for these subjects.

Entrance Requirements

Traditional Admissions Pathway

Traditional admission to the College of Pharmacy Pharm.D. program is competitive and based on the applicant's completion of Pharmacy prerequisite courses, GPA, academic record, letters of recommendation, interview evaluations, optional PCAT scores, honors/awards, extracurricular activities, pharmacy exposure, student personal statement concerning their goals for a career in pharmacy, optional diversity statement, and application(s). Applicants may elect to complete the PCAT and have official scores reported to PharmCAS by deadlines published on the UofSC College of Pharmacy website. Applicants will apply via the national PharmCAS system and UofSC 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. Accepted students are required to submit subsequent transcripts 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 UofSC Office of the University Registrar.

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 criminal background review, drug screen, and health/immunization policies and University requirements.

Early Assurance Program Admissions Pathway

Admission to the Gamecock Pharmacy Assurance (GPA) program is competitive and based on the applicant's admittance into the B.S. in Pharmaceutical Sciences (Pre-Pharmacy) major at the Columbia campus of the University of South Carolina. Additional admissions criteria may include, but are not limited to ACT/SAT scores, high school weighted core grade point average, letters of recommendation, interview evaluations, honors/awards, extracurricular activities, pharmacy exposure, student personal statement concerning their goals for a career in pharmacy, optional diversity statement, and GPA program application.

Candidates admitted into this program that successfully complete the maintenance requirements are expected to complete progression applications and matriculate into the UofSC College of Pharmacy Pharm.D. program at the beginning of their third collegiate year. Applicants matriculating into 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 criminal background review, drug screen, and heath/immunization policies and University requirements.

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).

Individual International Applicant Requirements

For admission of individual International Applicants, general admission criteria in addition to requirements below must be met:

- At least 42 hours of the 66 of Pharm.D. program prerequisite credit hours, including English language requirements, must have been completed at a college or university accredited in the United States. Refer to the section titled "Pharm.D. Program Prerequisite Course Requirements" in this document or the College of Pharmacy website.
- 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 or 77 on the internet-based TOEFL. Alternatively, we will accept a score of at least 6.5 on the International English Language Testing System (IELTS) or a score of at least 53 on the PTE academic test.
- 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.
- Applicants who have attended post-secondary educational institutions, colleges or universities outside of the United States are required to submit a foreign transcript evaluation of all work completed from the World Education Services (WES) through the PharmCAS application. More information may be located here (https://academicbulletins.sc.edu/pharmacy/admissions/www.pharmcas.org/application-instructions/transcripts/).
- Accepted students must work directly the UofSC International Student Services Office to complete requirements necessary for enrollment at the university. 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.
- The applicant is responsible for obtaining a proper visa, if accepted.

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 UofSC College of Pharmacy 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 general admission criteria in addition to requirements 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.

- 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, or 77 on the internet-based TOEFL. Alternatively, we will accept a score of at least 6.5 on the International English Language Testing System (IELTS) or a score of at least 53 on the PTE academic test.
- 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.
- Applicants who have attended post-secondary educational institutions, colleges or universities outside of the United States are required to submit a foreign transcript evaluation of all work completed from World Education Services (WES) through the PharmCAS application. More information may be located here (https://academicbulletins.sc.edu/pharmacy/admissions/www.pharmcas.org/application-instructions/transcripts/).
- Accepted students must work directly with the UofSC International Student Services Office to complete requirements necessary for enrollment at the university. 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.
- The applicant is responsible for obtaining a proper visa, if accepted.

Transfer Policies

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

Applications for transfer students from an accredited professional pharmacy program, within the United States, into the UofSC College of Pharmacy professional Pharm.D. program will be evaluated on an individual basis. The student applying for transfer must be currently enrolled and in good academic and professional standing in their current Pharm.D. program. As the student must complete at least two years of study at the UofSC College of Pharmacy in order to be eligible for a degree from the institution, students must complete, at minimum, their third and fourth professional years at the UofSC College of Pharmacy.

Process to Request Transfer:

Step 1: The following items are required to begin the transfer evaluation process:

- Provide a letter to the Director of Admissions outlining the reason for the transfer request and desired entrance level into the program (i.e., 2nd year, 3rd year, etc.) no later than February 1.

Step 2: The following items must be completed/submitted to the Director of Admissions no later than March 1:

- Submit current program's Pharm.D. curriculum
- Submit course descriptions and syllabi for all completed Pharm.D. courses
- Complete an interview with the Director of Admissions to discuss transfer intent and eligibility

Step 3: Following evaluation of completed curriculum by the appropriate committee, the student will be notified no later than April 1 of the professional year placement, if space permits, that would be offered in the case of transfer acceptance.

Step 4: If a student chooses to continue with the request, the following must be completed no later April 30:

- Complete the admissions interview process dependent upon available Interview dates:
  - Submit Resume/CV to the Director of Admissions prior to scheduled interview date
- Submit the following to the Director of Admissions:
  - Official college transcripts from all institutions attended for all college coursework completed, including Pharm.D. program prerequisite courses and Pharm.D. courses
  - Optional official PCAT scores (must include writing score) – this may be submitted if the applicant feels it would enhance their admissions file
  - Three letters of recommendation

Step 5: The Admissions Committee will evaluate all information obtained during the transfer request process to determine whether a transfer acceptance will be extended. Applicants will be notified no later than June 1.

Step 6: If a transfer request is extended, the student must submit the following items no later than July 1 to secure their acceptance:

- UofSC College of Pharmacy Supplemental Application
- Letter from current pharmacy school Dean's Office stating the student is in good academic and professional standing
- Seat Fee

Step 7: The following must be submitted prior to matriculation into the Doctor of Pharmacy program at the direction and timeframe of the Director of Admissions:

- Clear criminal background review
- Negative drug screen

Admission to the Doctor of Pharmacy Program from an International College of Pharmacy

Students enrolled in an international professional pharmacy program are ineligible to request transfer to the UofSC College of Pharmacy

professional Pharm.D. program. These students should follow the admissions processes for International Applicants.

Transfer to Greenville (Prisma Health - Upstate) Campus

A campus located in Greenville, South Carolina is available for student transfer for the third and fourth professional years of the Doctor of Pharmacy program. Beginning with Fall 2017 entering students, Greenville campus transfer approval is designated upon acceptance to the Pharm.D. program. This transfer is binding and documented in a second acceptance letter from the UofSC College of Pharmacy. Students transferring to the Greenville campus are still considered UofSC students for the purposes of tuition, curriculum, and other academic and professional policies. Extracurricular and co-curricular opportunities are available on the Greenville campus, but may differ from those available on the Columbia campus. Not all opportunities on the respective campuses are available to students residing on the distant campus. Students electing to transfer to the Greenville campus should seek guidance from the Associate Dean of Student Affairs and Diversity regarding these opportunities prior to committing to a Columbia campus-based academic, co-curricular, or extracurricular opportunity. A required Greenville campus-specific orientation will occur prior to each Fall semester.

Professionalism Policies and Procedures

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.

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:

Student attendance for rotations, lectures, laboratory sessions, and meetings is expected and students must adhere to attendance policies enacted by the course syllabus and this document. 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 attendance purposes.

  Signing in for another student or using a method to portray you are present in class or the meeting when you are not physically present is considered a Honor Code violation and will be referred to the UofSC Office of Student Conduct and Academic Integrity.

In all in-person and virtual 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.

In all in-person and virtual academic, professional, and social settings, it is expected that students will be courteous, respectful, non-disruptive, and display positive demeanor.

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.

In in-person and virtual professional settings, students will always dress in accordance with the College of Pharmacy Dress Code.

In all in-person and virtual 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 UofSC Honor Code.

As healthcare professionals in training, students are expected conduct themselves so that the health of their colleagues, faculty, and patients is not at risk due to their behaviors. Students are expected to self-report diagnosis of any highly communicable disease to the College of Pharmacy upon discovery per the appropriate method. Students will not be penalized for missing classroom, laboratory or experiential activities due to a documented medical illness because of which they cannot be around others.

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.

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 UofSC Office of Student Conduct and Academic Integrity, 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.

Ineligibility for entry to pharmacy practice experience sites will result in the inability to complete the Doctor of Pharmacy curriculum.

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, College of Pharmacy 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 UofSC Office of Student Conduct and Academic Integrity, College of Pharmacy Student Policy and Professionalism Committee, 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 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:

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.

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 UofSC Office of Student Conduct and Academic Integrity 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 UofSC Office of Student Conduct and Academic Integrity and/or College of Pharmacy Student Policy & Professionalism Committee and a recommendation for resolution will be provided to the Dean.

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.

Any official documentation related to arrests or convictions must be reported to the College of Pharmacy within 2 university business days of receipt. The Deans Office 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.

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 UofSC Student Health Services Counseling and Psychiatry Office . 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.

If a student's pharmacy intern certificate is suspended, revoked, or voluntarily surrendered, the student may be suspended from the College of Pharmacy immediately

Further requirements that may be imposed upon the student can be found in the Chemical Impairment Policy.

Chemical Impairment Policy

Addiction to or abuse of any substance is detrimental to overall physical and mental health, as well as to academic and professional performance. Addiction and abuse are serious issues among healthcare personnel,

including pharmacists. Pharmacists, student pharmacists, and colleges of pharmacy share the responsibility of ensuring patient health, safety, and welfare. Student pharmacists will participate in experiential components throughout the curriculum that occur in various patient care settings. In order to ensure patient safety, the UofSC College of Pharmacy (COP), as well as the South Carolina Board of Pharmacy (BOP), expect student pharmacists to remain un-impaired during all experiential components. An active SC BOP-issued Intern Certificate is required for enrollment and continuation in the Doctor of Pharmacy (PharmD) program; a student may be suspended from the COP if the Intern Certificate is suspended, revoked, or voluntarily surrendered.

In addition to the drug screen required to matriculate into the PharmD program, the COP has adopted the following policy and procedures related to student drug screening and subsequent results and sanctions.   For the purposes of this policy, a positive drug screen will result from the following:

1. any detected substance for which a student does not have a legal prescription;
2. any detected substance that is not legal in the state of South Carolina;
3. presence of alcohol in the drug screen after observed impairment of the student in the didactic, laboratory, or experiential setting.

In addition to protection of patients and the pharmacy profession, an equally important purpose of this policy is to facilitate the identification of a student who may be chemically impaired and promote appropriate treatment and recovery of these individuals. Enrollment 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. The academic standing of a chemically impaired pharmacy student will not change while the student is on a leave of absence/suspension for therapy/treatment. If the student is academically ineligible to continue in the PharmD curriculum, participation in the rehabilitation program will not preclude administrative action for dismissal from the COP for academic reasons.

Self-Reporting Chemical Dependence or Abuse

College of Pharmacy students who suspect that they may be chemically dependent on or abusing a substance are encouraged to voluntarily report themselves to the Associate Dean for Student Affairs and Diversity. The student will be referred to the South Carolina Recovering Professionals Program (SCRPP) and may also be referred to the UofSC Student Health Services Counseling and Psychiatry Office. Any costs associated with treatment are the responsibility of the student. Students referred to SCRPP or UofSC Student Health Services Counseling and Psychiatry Office will be required to sign a statement of consent allowing the COP to contact the recovery or counseling program to verify that the student has sought the service, as well as discuss appropriate recommendations for potential re-entry into the COP (if the student is on a leave of absence or suspended). Students who refuse to seek treatment as advised or give consent for SCRPP and/or UofSC Counseling and Psychiatry Services to discuss progress/recommendations with the COP Dean's Office will be subject to the procedures outlined in the section below titled "Drug Screening Based on Suspicion of Chemical Impairment Dependence, and/or Abuse". The COP Dean's office may immediately suspend a student from participating in experiential rotations if risk is posed to patient or public safety.

A file containing information related to drug screens and/or treatment will be kept separate from the student's academic file in the Dean's Office

and only accessible by the Student Services Manager, Associate Dean for Student Affairs & Diversity, and Senior Associate Dean.

Drug Screening Based on Suspicion of Chemical Impairment, Dependence, and/or Abuse

All COP faculty, staff, and students have the professional responsibility to report cases when they reasonably suspect a student to be chemically impaired, dependent, or abusing substances. 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 and/or appearance
- failure to carry out professional responsibilities
- repeated tardiness or absenteeism
- psychomotor deficiencies
- observed intoxication

The Dean's Office may refer such students 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. In the case of a positive result, the student will be required to meet with the Associate Dean of Student Affairs and Diversity as well as the COP Student Policy & Professionalism Committee. Sanctions that may result from a positive drug screen include, but are not limited to, referral to the SCRPP +/- suspension/dismissal from the PharmD program. Any costs associated with treatment are the responsibility of the student. Enrollment into the PharmD program requires that students consent to the sharing of positive drug screen results with legal and recovery/treatment entities including, but not limited to, the UofSC Office of Student Conduct, UofSC Student Health Services Counseling & Psychiatry Office, South Carolina Recovering Professional Program (SCRPP), and the South Carolina BOP. The COP Dean's office may immediately suspend a student from participating in experiential rotations if risk is posed to patient or public safety.

Any student with a positive drug screen who refuses to seek treatment as advised or refuses to give consent for SCRPP to discuss progress/ recommendations with the COP Dean's Office will be referred to the COP Student Policy & Professionalism Committee for more stringent sanctions, including potential suspension or dismissal. A file containing information related to drug screens and/or treatment will be kept separate from the student's academic file in the Dean's Office and only accessible by the Student Services Manager, Associate Dean for Student Affairs & Diversity, and Senior Associate Dean.

Random Drug Screening

In addition to the required drug screening prior to matriculation and site-specific pharmacy practice experiences, all PharmD students will also be randomly selected to undergo additional drug screening throughout the academic year. The following policies and procedures detail the process for random urine drug screens for students enrolled in the PharmD program:

1. All enrolled PharmD students will participate in a minimum of one random urine drug screen during each of the P1 – P4 academic years to test for use of illegal substances, prescription drugs not prescribed for them, or designer drugs. The screen must test for, at minimum, amphetamines/methamphetamine, barbiturates, benzodiazepines, benzoylecgonine-cocaine metabolites, codeine/morphine, marijuana metabolite, and phencyclidine.

2. Random drug screenings may occur at any time. In order for student pharmacists to be unable to determine a pattern of screening, a varied frequency of testing will be utilized each year.

3. When selected for a random drug screening, the student will receive an email notification from the COP to their university email account. When selected for a random drug screening, students must complete the requirement within 72 hours of the email notification date/time stamp. Failure to check your university email account on a daily basis will not result in an issued extension beyond the allotted 72 hours.

4. Drug screens will be conducted by COP-approved third-party vendors who will follow standard operating procedures for collection of drug screening samples involving chain of custody procedures. Vendor locations, hours of operation, and submission instructions will be provided in the drug screen notification email. Students wishing to use an alternate vendor must request approval from the COP within 24 hours of receiving their screening notification email.

5. Students will be responsible for the costs of obtaining each random drug screen, as well as any subsequent treatment.

6. A student who is under the care of a healthcare provider and is taking prescription medication known to cause a positive drug screen test result (such as stimulants for ADHD or sedatives for anxiety) will be required by the testing facility to submit proof which substantiates the student's legal use of the substance. Failure to submit the required documentation to the testing facility may result in a positive drug screen.

7. Students must consent at time of sample collection for their results to be shared with the COP. Results will be sent directly from the third-party vendor to approved personnel in the COP. Students may request a copy of their screening results from the vendor and/or COP.

8. If for any reason a student feels they are unable to complete a drug screen within the required 72-hour timeframe, they may request alternate accommodations from the Student Services Manager within 24 hours after receipt of the email notification for random drug screening selection. Requests will be reviewed by COP personnel and the student notified of request approval/denial.

9. Once selected for a random drug screening, students who fail to receive a drug screen within 72 hours, refuse to submit to a drug screen, or fail to provide consent for the results to be reported directly to the COP will be required to meet with the Associate Dean of Student Affairs and Diversity and may be referred to the COP Student Policy & Professionalism Committee. Failure or refusal to comply with the Chemical Impairment Policy that leads to COP Student Policy & Professionalism Committee referral may result in sanctions inclusive of suspension and/or dismissal.

10. Results that are reported as dilute-negative will be assigned a repeat screening.

11. Students will be notified of a positive result via email. In the case of a positive result, the student will be required to meet with the Associate Dean of Student Affairs and Diversity as well as the COP Student Policy & Professionalism Committee. A student that tests positive will be referred to SCRPP. Additional sanctions may include, but are not limited to, suspension or dismissal from the PharmD program. Prior to beginning the PharmD program, all students must consent to the College of Pharmacy's ability to share positive drug screen results with legal and recovery/treatment entities including, but not limited to, the UofSC Office of Student Conduct, UofSC Student Health

Services Counseling & Psychiatry Office, South Carolina Recovering Professional Program (SCRPP), and the South Carolina BOP.

12. A student will be referred back to the COP Student Policy & Professionalism Committee for more stringent sanctions, including potential suspension or dismissal if they:
    a. Refuse to seek treatment as required by sanctions from the COP
    b. Refuse to give consent for SCRPP to confirm that the student has sought the service
    c. Refuse to give consent for SCRPP to discuss their progress / recommendations for potential re-entry into the COP (if the student is on a leave of absence or suspended)
    d. Refuse or fail to comply with any other COP sanctions

13. The COP Dean's office may immediately suspend a student from participating in experiential rotations if risk is posed to patient or public safety.

14. A file containing information related to drug screens and/or treatment will be kept separate from the student's academic file in the Dean's Office and only accessible by the Student Services Manager, Associate Dean for Student Affairs & Diversity, and Senior Associate Dean.

Student Sexual Harassment Policy

The College of Pharmacy will follow the policies of the University of South Carolina regarding sexual harassment for students. The UofSC website provides additional guidelines, including notification of student rights under FERPA and other mandated notifications.

Student Dress Code Policy

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 held in any location where students are representing the College of Pharmacy.

Students must adhere to individual course/pharmacy rotation site policies regarding site-specific ID badges.

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 dismissal from lab, grade reduction, or grade of zero issued for that lab session (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).

All students must adhere to any temporary or permanent clothing or garbing items needed to mitigate public health concerns and/or maintain the aseptic nature of laboratory, classroom and experiential rotation settings. These requirements may be issued by the university or college and may include, but are not limited to, face coverings, masks, gloves, gowns, etc. Students are expected to remain up-to-date on these requirements as they may change throughout the academic year and may vary between learning areas.

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 UofSC College of Pharmacy ID badge attached at the collar or chest pocket of the lab coat. Non-UofSC College of Pharmacy/commercial logos and badges are not permitted on lab coats. Students must adhere to one of the following dress requirements: 1) a dress shirt with tie, dress slacks, dress socks, and close-toed dress shoes 2) a dress blouse or sweater with skirt or dress slacks, or a dress and close-toed dress shoes. Skirts and dresses are required to be of a length no more than 2 inches above the knee. In order to portray a professional appearance, hair color should be subdued and not be bold or bright colored (i.e., purple, blue, green). Piercings must be small and tasteful. Piercings worn in laboratory and experiential settings are limited to the ears (students requiring piercings in other visible body parts should seek the advice of the faculty member for accommodations). 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.

Please note that individual practice sites may have a more rigorous dress code requirement. Students must adhere to specific preceptor/site requirements.

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.

Students attending national, state, or regional conferences or events where they represent the UofSC College of Pharmacy and the pharmacy profession are expected to abide by this policy. Students not adhering to this policy in these settings may be reported to the Dean's Office for a professionalism violation and may lose travel reimbursement from the College of Pharmacy and/or be referred to the Student Policy and Professionalism Committee.

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):

You may not discuss the personal health information of other individuals. Removal of an individual's name alone does not 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.

- You may not report private (protected) academic information of another student or trainee.
- You may not present yourself as an official representative or spokesperson for the institution.
- You may not access another person's online accounts without his/her permission.

- 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:

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

Due to the prevalence of and types of information that can be displayed through social media (Facebook™, Twitter™, Instagram™, blogs, TikTok™, Snapchat™, 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 of Pharmacy student body, 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:

- the unprofessional display of vulgarity through written comments, photos, and/or affiliations
- 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
- the unprofessional display of photos or language that condone the irresponsible use of alcohol, substance abuse, or sexual promiscuity
- posting of inflammatory or unprofessional material on another individual's website
- 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.

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 Senior Associate 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 Senior Associate 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 Student Policy and Professionalism 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 Dean of the College of Pharmacy. The Dean's decision is final. Appeals must be received in writing 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.

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.

Student Grievance Policies
Individual Problems

1. 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.
2. Make an appointment with the individual with whom the problem exists, explain the problem, and try to resolve it.
3. If the problem cannot be resolved directly, the student should then contact the individual's supervisor.
4. 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.
5. Situations that have not been resolved by the Senior Associate Dean will be referred to the College of Pharmacy Grievance Committee for final review and action.

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.

4. Situations that have not been resolved by the Senior Associate Dean will be referred to the College of Pharmacy Grievance Committee for final review and action.

STUDENT SERVICES

Student Services Communication

Incoming P1 Student Onboarding Process

Incoming P1 students will receive a series of detailed modules, emails, other communications, and virtual small group meetings from the UofSC COP Student Affairs/Admissions Offices regarding University of South Carolina processes, SC Board of Pharmacy documents, College of Pharmacy computer requirement, College of Pharmacy immunization requirements and communication methods going forward, including the College website, that students need to be aware of prior to P1 Orientation. Failure to complete these items in entirety and by established deadlines may result in referral to the Student Policy & Professionalism Committee and/or rescinding of acceptance into the Pharm.D. program.

P1 Orientation

All incoming P1 students will attend a required orientation that will provide students with University of South Carolina resources/offices, College of Pharmacy student processes and longitudinal extra/and co-curricular opportunities, engagement with faculty and current pharmacy students, technology resources, the College of Pharmacy curriculum, and optional academic tracks/combination degrees/Kennedy Pharmacy Innovation Center opportunities. Failure to attend all sessions of P1 Orientation in their entirety may result in referral to the Student Policy & Professionalism Committee and/or rescinding of acceptance into the Pharm.D. program.

Annual College Updates Presentation for Returning Students

Returning students are required to attend an annual College Updates presentation that addresses any new, revised, or re-emphasized policies and procedures for College of Pharmacy students, reminders of co-curricular requirements, important dates for the academic year, and any additional information from Administrators or Faculty.

Bi-Annual Registration Instruction Email

Prior to the registration period, students will receive 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.

Course 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 http://www.my.sc.edu.

Tuition and 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.

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) 777-8134.

Health Insurance

Students at UofSC-Columbia are required to show proof of health insurance as a condition of enrollment. Students must either enroll in the student Health Insurance Plan or waive the plan by showing proof of their own health insurance.

Questions about the Student Health Insurance Plan benefits, the waiver process or waiver status are addressed on the "Required Health Insurance" section of the Student Health Services website (https://sc.edu/about/offices_and_divisions/student_health_services/).

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.

Student Disability Resource Center

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

Division of Law Enforcement and 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.

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) 777-3142.

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 for Pharm.D. course assistance.

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.

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.

Carolina Card

Students attending the College of Pharmacy are required to obtain a Carolina Card through the University of South Carolina that allows for access to College of Pharmacy study areas after hours, 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.

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