

# SOUTH CAROLINA COLLEGE OF PHARMACY

## Administration

Joseph T. DiPiro, Pharm.D., Executive Dean  
Philip D. Hall, Pharm.D., Campus Dean, MUSC Campus  
Randall C. Rowen, Pharm.D., Campus Dean, USC Campus

John A. Bosso, Pharm.D., Chair, Department of Clinical Pharmacy and Outcome Sciences, MUSC Campus  
Wayne E. Buff, Pharm.D., Associate Dean, USC Campus  
Kim E. Creek, Ph.D., Vice Chair, Department of Pharmaceutical and Biomedical Sciences and Director of Graduate Studies, USC Campus  
James H. Davis, B.S., M.B.A, Assistant Dean for Finance  
Amy Grant, Pharm.D., Director of Experiential Programs, USC Campus  
Heather Kokko, PharmD, Clinical Associate Dean for Health System Affairs  
Kelly R. Ragucci, Pharm.D., Assistant Dean for Curriculum, MUSC Campus  
Rick G. Schnellmann, Ph.D., Chair, Pharmaceutical and Biomedical Sciences, MUSC Campus  
Richard Schulz, Ph.D., Vice Chair, Department of Clinical Pharmacy and Outcome Sciences, USC Campus  
Alissa Smith, Pharm.D., Upstate Regional Director, GHS Campus  
Cathy Worrall, Pharm.D., Assistant Dean for Student Affairs and Experiential Education, MUSC Campus  
S. Bryan Ziegler Jr., Pharm.D., MBA, Assistant Dean for Student Affairs, USC Campus

## Professors

Charles L. Bennett, Ph.D., RAND Graduate School, 1989; M.D., University of Pennsylvania, 1981, USC Campus  
John A. Bosso, Pharm.D., State University of New York at Buffalo, 1973, MUSC Campus  
Katherine H. Chessman, Pharm.D., Medical University of South Carolina, 1986, MUSC Campus  
Kim E. Creek, Ph.D., Purdue University, 1980, USC Campus  
Joseph T. DiPiro, Pharm.D., University of Kentucky, 1981  
Philip D. Hall, Pharm.D., Medical College of Virginia, 1988, MUSC Campus  
John J. Lemasters, M.D., Ph.D., John Hopkins, 1975, MUSC Campus  
Patrick D. Mauldin, Ph.D., Emory University, 1993, MUSC Campus  
Jean Nappi, Pharm.D., University of Texas, 1977, MUSC Campus  
Kenerly S. Patrick, Ph.D., University of Iowa, 1978, MUSC Campus  
Kelly R. Ragucci, Pharm.D., University of Toledo, 1997, MUSC Campus  
Igor Roninson, Ph.D., Massachusetts Institute of Technology, 1982, USC Campus  
Rick G. Schnellmann, Ph.D., University of Arizona, 1984, MUSC Campus  
Richard M. Schulz, Ph.D., University of North Carolina, 1983, USC Campus  
Charles D. Smith, Ph.D., Michigan State, 1984, MUSC Campus  
Edward E. Soltis, Ph.D., University of Florida, 1984, MUSC Campus  
Roger L. White, Pharm.D., Medical College of Virginia, 1983, MUSC Campus  
Patrick Woster, Ph.D., University of Nebraska, 1985, MUSC Campus

## Associate Professors

Craig C. Beeson, Ph.D., University California, Irvine, 1993, MUSC Campus  
Sondra H. Berger, Ph.D., Roswell Park, State University of New York at Buffalo, 1982, USC Campus  
John Bian, Ph.D., University of North Carolina, 2003, USC Campus  
P. Brandon Bookstaver, Pharm.D., University of South Carolina, 2004, USC Campus  
Wayne E. Buff, Pharm.D., University of South Carolina, 1997, USC Campus  
James M. Chapman, Ph.D., University of North Carolina, 1981, USC Campus  
Thomas A. Dix, Ph.D., Wayne State University, 1983, MUSC Campus  
Sandra S. Garner, Pharm.D., Medical University of South Carolina, 1989, MUSC Campus  
Donna S. Harrison, Pharm.D., Medical University of South Carolina, 1986, MUSC Campus  
Lorne Hofseth, Ph.D., Simon Fraser University, 1996, USC Campus  
Marc Lapointe, Pharm.D., Medical University of South Carolina, 1995, MUSC Campus  
Campbell McInnes, Ph.D., University of Edinburgh, 1991, USC Campus  
Ronald O. Nickel, Ph.D., University of Iowa, 1984, MUSC Campus  
Anna-Liisa Nieminen, Ph.D., University of Kuopio, Finland, 1991, MUSC Campus  
Georgi Petkov, Ph.D., University of Sofia, 1997, USC Campus  
Douglas Pittman, Ph.D., University of Iowa, 1996, USC Campus  
Randall C. Rowen, Pharm.D., Northeastern University, 1985, USC Campus  
Jennifer G. Schnellmann, Ph.D., University of Arkansas for Medical Sciences, 1997, MUSC Campus  
Sarah P. Shrader, Pharm.D., University of Kansas, 2003, MUSC Campus  
Theresa J. Smith, Ph.D., Texas Women's University, 1988, USC Campus  
S. Scott Sutton, Pharm.D., University of South Carolina, 1998, USC Campus  
Donald B. Wiest, Pharm.D., Medical University of South Carolina, 1985, MUSC Campus  
Cathy Worrall, Pharm.D., University of Florida, 1993, MUSC Campus  
Michael D. Wyatt, Ph.D., University College of London, 1996, USC Campus  
Zhi Zhong, Ph.D., University of North Carolina, Chapel Hill, 1996, MUSC Campus

## Assistant Professors

Sarah J. Ball, Pharm.D., Medical University of South Carolina, 1979, USC Campus  
Betsy Blake, Pharm.D., Medical University of South Carolina, 2000, USC Campus  
Kristy H. Brittain, Pharm.D., Wilkes University, 2005, MUSC Campus  
Sherine Swee Lin Chan, Ph.D., University of Western Australia, 2002, MUSC Campus

Chung Jen James Chou, Ph.D., University of Washington, Seattle, Washington, 2004, MUSC Campus  
Shannon J. Drayton, Pharm.D., University of South Carolina, 2000, MUSC Campus  
Brianna Dunn, Pharm.D., Medical University of South Carolina, 2008, USC Campus  
Michael P. Dunphy, BS, University of Cincinnati, 1968; M.S., Butler University, 1974, USC Campus  
Amy Grant, Pharm.D., Medical University of South Carolina, 2004, USC Campus  
Jason S. Haney, Pharm.D., Medical University of South Carolina, 2007, MUSC Campus  
Bryan L. Love, Pharm.D., University of South Carolina, 1997, USC Campus  
Kevin Lu, Ph.D., University of Maryland, 2011, USC Campus  
Whitney Maxwell, Pharm.D., Medical University of South Carolina, 2008, USC Campus  
Karen H. McGee, Pharm.D., University of South Carolina, 1989, USC Campus  
Lindsay Meadowcraft, Pharm.D., University of Colorado, Health Sciences, 2008, MUSC Campus  
Jill E. Michels, Pharm.D., University of South Carolina, 1996, USC Campus  
April Miller, Pharm.D., University of North Carolina, 2005, USC Campus  
Carol LeAnn Best Norris, Pharm.D., University of South Carolina, 2004, USC Campus  
Yuri K. Peterson, Ph.D., Louisiana State University Health Sciences Center, 2004, MUSC Campus  
Cynthia M. Phillips, Pharm.D., University of Tennessee-Memphis, 1991, USC Campus  
Christina C. Piro, Pharm.D., University of South Carolina, 2006, USC Campus  
Patricia Powell, Pharm.D., University of Rhode Island, 2006, USC Campus  
Celeste Rudisill, Pharm.D., University of North Carolina, 2004, USC Campus  
Michael Shtutman, Ph.D., Russian Cancer Research Center, 1996, USC Campus  
Alissa M. Smith, Pharm.D., Medical University of South Carolina, 1999, GHS Campus  
Dana Stafkey-Mailey, Ph.D., University of Southern California, 2008, USC Campus  
James J. Sterrett, Pharm.D., Medical University of South Carolina, 1997, MUSC Campus  
Amy N. Thompson, Pharm.D., Medical University of South Carolina, 2005, MUSC Campus  
Danyelle M. Townsend, Ph.D., University of Virginia, 2001, MUSC Campus  
Holly J. Watson, Pharm.D., University of South Carolina, 1989, USC Campus  
Christopher Wisniewski, Pharm.D., University of Sciences in Philadelphia, 2004, MUSC Campus  
Jun Wu, Ph.D., Ohio State University, 2010, GHS Campus  
Peisheng Xu, Ph.D., University of Wyoming, 2007, USC Campus  
Jun Zhu, Ph.D., Fukui Medical University, 1998, USC Campus  
S. Bryan Ziegler Jr., Pharm.D., University of South Carolina, 2001; MBA, U.S.C., 2006, USC Campus

#### **Instructors**

James H. Davis, M.B.A., Charleston Southern University, 1995, MUSC Campus  
William J. Taylor, B.S., University of South Carolina, 1995, USC Campus

#### **Part-Time and Adjunct Faculty**

Dave Amsden, Pharm.D., University of Nebraska, 1981, Palmetto Health Richland  
Valerie Assey, M.S.N., Medical University of South Carolina, 1986, MUSC Campus  
John S. Baek, B.S., Medical University of South Carolina, 1994, MUSC Campus  
Melissa Baird, Pharm.D., University of South Carolina, 1994, MUSC Campus  
Jennifer Baker, Pharm.D., University of South Carolina, 2002, USC Campus  
Doug Baldwin, Pharm.D., University of Utah, 1994, MUSC Campus  
Roseanne Becher, B.S. Pharm., University of Nebraska, 1990, GHS Campus  
Fred Bender, Pharm.D., Duquesne University, 1975, GHS Campus  
Nicole M Bohm, Pharm.D., University of Florida, College of Pharmacy, 2003, MUSC Campus  
Melody Branham, B.S. Pharm., University of South Carolina, 1987, MUSC Campus  
Frank Brunson, B.S. Pharm., Medical University of South Carolina, 1976, USC Campus  
Dewey Burdine, Pharm.D., Medical University of South Carolina, 1978, GHS Campus  
Wendy Bullington, Pharm.D., Medical University of South Carolina, 2003, MUSC Campus  
Sarah Bush, Pharm.D., Medical University of South Carolina, 2006, GHS Campus  
Valerie Bush, Pharm.D., Medical University of South Carolina, 2005, GHS Campus  
Sharon Castle, Pharm.D., University of Kentucky, 1994, MUSC Campus  
Kimberly Clark, Pharm.D., University of North Carolina, 2005, GHS Campus  
Toby Clark, MS, Wayne State University, 1970, MUSC Campus  
Sharon Coe, B.S. Pharm., Medical University of South Carolina, 1996, MUSC Campus  
Frances O. Connelly, B.S., University of South Carolina, 1980, USC Campus  
Jason Cooper, Pharm.D., Medical University of South Carolina, 1996, MUSC Campus  
Tanna B. Cooper, Pharm.D., West Virginia University, 2006, MUSC Campus  
Toby Cox, Pharm.D., University of North Carolina, Chapel Hill, 1995, MUSC Campus  
Lucy Crosby, Pharm.D., University of Georgia, 2004, GHS Campus  
Kelly Crowley, Pharm.D., Howard University, 2010, MUSC Campus  
Nancy A. Culberson-Taylor, B.S., Medical University of South Carolina, 1978, USC Campus  
Tracie Delay, Pharm.D., Bouve' College of Health Professions, Northeastern University, 2001, MUSC Campus  
Lori Dickerson, Pharm.D., Medical University of South Carolina, 1993, MUSC Campus  
Ashley Donato, Pharm.D., University of South Carolina, 2000, MUSC Campus  
Samuel Drucker, B.S., Medical University of South Carolina, 1983, MUSC Campus  
Christopher Dunne, Pharm.D., Auburn University, 2007, MUSC Campus  
Hugh Durrence, M.D., Medical University of South Carolina, 1995, MUSC Campus  
Heather Eddy, Pharm.D., University of South Carolina, 2000, GHS Campus  
Todd Eddy, Pharm.D., Ferris State University, 2005, GHS Campus  
Mark Erwin, B.S. Pharm., Creighton University, 1991, MUSC Campus  
William Evans, B.S. Pharm., Medical University of South Carolina, 1977, MUSC Campus  
Carmen Faulkner, Pharm.D., University of North Carolina, 2002, GHS Campus  
Joli Fermo, Pharm.D., University of Nebraska, 1993, MUSC Campus  
Christopher Fortier, Pharm.D., University of Connecticut, 2003, MUSC Campus

Robert Freeman, Ph.D., University of Mississippi, USC Campus  
Douglas L. Furmanek, Pharm.D., University of North Carolina, 2002, GHS Campus  
Robert Gajewski, B.S., Medical University of South Carolina, 1979, MUSC Campus  
Kelli Garrison, Pharm.D., Medical University of South Carolina, 2002, MUSC Campus  
Ashley Glode, Pharm.D., Duquesne University, 2007, MUSC Campus  
Kelly Maree Goodson, Pharm.D., University of North Carolina, Chapel Hill, 2004, MUSC Campus  
Nancy Walker Hahn, Pharm.D., Medical University of South Carolina, 1987, USC Campus  
Stephanie Halliwanger, Pharm.D., University of South Carolina, GHS Campus  
Elizabeth Hamilton, Pharm.D., Medical University of South Carolina, 2000, MUSC Campus  
Erica Hanesworth, Pharm.D., Medical University of South Carolina, 1999, MUSC Campus  
Christy Henry, Pharm.D., University of Florida, 2007, MUSC Campus  
Homer High, B.S. Pharm., Medical University of South Carolina, 1972, MUSC Campus  
Kathy R. Hogan, Pharm.D., Medical University of South Carolina, 1987, MUSC Campus  
Kevin T. Hope, B.S. Medical University of South Carolina, 1999, MUSC Campus  
John Howard, Pharm.D., University of South Carolina, 2002, GHS Campus  
Robert Hubbard, B.S. Pharm., Medical University of South Carolina, 1969, MUSC Campus  
Heather Hughes, Pharm.D., University of South Carolina, 2000, GHS Campus  
Dorothy Jenrette, Pharm.D., University of Texas at Austin, 1989, MUSC Campus  
Charlotte Johnson, Pharm.D., University of Evansville, 2005, MUSC Campus  
William P. Johnston, Ph.D., University of South Carolina, USC Campus  
Charles Jones, B.S. Pharm, Medical University of South Carolina, 1978, MUSC Campus  
Kelly Jones, Pharm.D., Medical University of South Carolina, 1989, MUSC Campus  
Sewell I. Kahn, M.D., Medical University of South Carolina, 1966, MUSC Campus  
Mary Knisley, Pharm.D., Medical University of South Carolina, 2002, MUSC Campus  
Heather Kokko, Pharm.D., Medical University of South Carolina, 2001, MUSC Campus  
Edward Kowalewski, Pharm.D., University of Connecticut, 2003, MUSC Campus  
Christine Latham, B.S. Pharm., University of South Carolina, 1985, USC Campus  
Susanne Lee, Pharm.D., University of North Carolina at Chapel Hill, 1997, MUSC Campus  
Robert Longe, Pharm.D., University of Tennessee, 1973, MUSC Campus  
Don Lusk, Pharm.D., Medical University of South Carolina, 2000, MUSC Campus  
Holly MacFall, Pharm.D., Medical University of South Carolina, 2002, MUSC Campus  
Matthew Maughan, Pharm.D., University of the Sciences in Philadelphia, 2005, MUSC Campus  
Joe Mazur, Pharm.D., Wayne State University, 1995, MUSC Campus  
Alexander McDonald, Pharm.D., Medical University of South Carolina, 1997, GHS Campus  
Brian McKinzie, Pharm.D., St. Louis College of Pharmacy, 2006, MUSC Campus  
Amy McRae Clark, Pharm.D., Medical University of South Carolina, 1998, MUSC Campus  
Jennifer Mixson, B.S. Pharm., Medical University of South Carolina, 1990, MUSC Campus  
Veronica Moriarty, Pharm.D., Philadelphia College of Pharmacy & Science, 1981, Spartanburg  
Domice Moskalski, Spartanburg  
Jessica Odom, Pharm.D., University of South Carolina, 2007, GHS Campus  
Kathy Quarles-Moore, B.S., University of South Carolina, 1986, USC Campus  
Ron R. Neyens, Pharm.D., South Dakota State University, 2004, MUSC Campus  
Fredric R. Olafson, B.S., North Dakota State University, 1968, USC Campus  
Nicole Passerello, Pharm.D., West Virginia University, 1998, GHS Campus  
John Pearson, Pharm.D., University of South Carolina, 1992, GHS Campus  
Nicole Pilch, Pharm.D., University of Wisconsin-Madison, 2003, MUSC Campus  
Donald Porter, Ph.D., University of California, San Diego, 1987, USC Campus  
Beverly Poston, B.S. Pharm., Medical University of South Carolina, 1992, MUSC Campus  
Robert Poyer, M.S.L.S., Case Western Reserve University, 1974, MUSC Campus  
John Prentice, Pharm.D., Medical University of South Carolina, 1988, MUSC Campus  
David Proujan B.S., Albany College of Pharmacy, Albany NY, 1985, MUSC Campus  
Dominic Ragucci, Pharm.D., Rutgers, 1996, MUSC Campus  
Jennifer Raltz, Pharm.D., Purdue University, 1999, GHS Campus  
Leonard Rauton, B.S. Pharm., Medical University of South Carolina, 1988, MUSC Campus  
Paul Ray, D.O., College of Osteopathic Medicine and Surgery, Des Moines, IA, 1976, USC Campus  
George Reid, Pharm.D., Medical University of South Carolina, 1982, MUSC Campus  
John Restaino, J.D., M.P.H., Western State University College of Law, 1986, Johns Hopkins University Bloomberg School of Hygiene & Public Health, 2008, USC Campus  
Sophie Robert, Pharm.D., University of British Columbia, Vancouver, BC Canada, 1999, USC Campus  
Catherine Saleeby, B.S. Pharm., University of South Carolina, 1977, USC Campus  
Cathy Sanner, B.S., College of Charleston, 1981, MUSC Campus  
Tracie Sannicandro Osgood, Pharm.D., University of Connecticut, 1999, MUSC Campus  
Rebecca Sawyer, GHS Campus  
Patricia Schuler, Pharm.D., Pharm.D., Ohio State University, 2005, MUSC Campus  
Richard Sheriff, B.S. Pharm., Perdue, 1974, MUSC Campus  
Teresa Soltis, B.S. Pharm., University of Florida, 1984, MUSC Campus  
Susan Sonne, Pharm.D., Medical University of South Carolina, 1991, MUSC Campus  
Becky Sawyer, Pharm.D., Medical University of South Carolina, 2007, GHS Campus  
Jane W. Sowell, B.S., University of South Carolina, 1978, Palmetto Health Richland Hospital, USC Campus  
Anne Spencer, Pharm.D., Medical University of South Carolina, 1997, MUSC Campus  
Lynda Sykes, B.S., Auburn University, 1984; Pharm.D., University of Florida, 2005, GHS Campus  
David J Taber, Pharm.D., Medical University of South Carolina, 1999, MUSC Campus  
Deborah J. Tapley, B.S., University of Connecticut, 1978; MBA, U.S.C, 1984, Palmetto Health Richland  
Amanda Jill Thompson, Pharm.D., University of Tennessee Health Science Center, 2001, MUSC Campus  
Lewis Traywick "Tray" Till Jr., Pharm.D., University of South Carolina, 2001, MUSC Campus  
Kristen Turner, Pharm.D., University of Florida, 2005, GHS Campus

Lynn A. Uber, Pharm.D., State University of New York at Buffalo, 1986, MUSC Campus  
Walter Uber, Pharm.D., State University of New York at Buffalo, 1986, MUSC Campus  
Amy Vandenberg, Pharm.D., University of Michigan, 1999, MUSC Campus  
George Vess, B.S., University of South Carolina, 1980, MUSC Campus  
Jon Wallace, RPh., JD, University of South Carolina School of Law, 2003, MUSC  
Marlea Wellein, Pharm.D., West Virginia University, 2000, MUSC Campus  
Andrea Wessell, Pharm.D., University of North Carolina at Chapel Hill, 2000, MUSC Campus  
Connie Williams, Pharm.D., University of Illinois, 1990, MUSC Campus  
Bobbie Williamson, Pharm.D., University of North Carolina, 2002, GHS Campus  
Tom Worrall, Pharm.D., University of Florida, 2003, MUSC Campus  
Thomas D. Wyatt III, B.S., University of South Carolina, 1978, USC Campus

#### **Deans Emeritus**

John F. Cormier, Pharm.D., Medical University of South Carolina, 1975, MUSC Campus  
Julian H. Fincher, Ph.D., University of Connecticut, 1964, USC Campus  
William H. Golod, Ph.D., Purdue University, 1957, MUSC Campus  
Arnold Karig, Ph.D., Purdue University, 1971, MUSC Campus  
Farid Sadik, Ph.D., University of Mississippi, 1968, USC Campus

#### **Emeriti Faculty**

Robert L. Beamer, Ph.D., Medical College of Virginia, 1959, USC Campus  
Deborah S. Carson, Pharm.D., Medical University of South Carolina, 1982, MUSC Campus  
Michael Dickson, Ph.D., Ohio State University, 1972, USC Campus  
Joseph W. Kosh, Ph.D., University of Colorado, 1971, USC Campus  
Brooks C. Metts, Pharm.D., University of Tennessee, 1970, USC Campus  
William Alexander Morton, Jr., Pharm.D., University of California at San Francisco, 1976, MUSC Campus  
C. Eugene (Gene) Reeder, Ph.D., University of South Carolina, 1983, USC Campus  
Joseph Roberts, Ph.D., McGill University, 1964, USC Campus  
Joseph W. Sowell, Ph.D., University of Georgia, 1972, USC Campus  
C. Wayne Weart, Pharm.D., Philadelphia College of Pharmacy and Science, 1974, MUSC Campus

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***Policies and procedures outlined in this document apply to the South Carolina College of Pharmacy (SCCP) at both the MUSC campus and USC campus. Additional policies and procedures related specifically to the MUSC Campus, [www.musc.edu](http://www.musc.edu), and USC Campus, [www.sc.edu](http://www.sc.edu), are defined by the appropriate academic bulletins of the individual universities and Carolina Community for the USC campus.***

#### **Vision, Mission, and Core Values Statements**

##### ***“Improving Health through Leadership and Innovation in Pharmacy Education, Research, and Patient Care.”***

*The SCCP is an education, research, and service enterprise that make the best use of state resources, student tuition, grant funds, and endowment funds to:*

- *Produce pharmacists at an advanced level of practice to provide pharmaceutical care and serve the health needs of SC citizens related to medications.*
- *Develop and apply expertise in economics, epidemiology, and health outcomes assessment to guide population-level drug policy at local, state, and federal level to make the best decisions regarding medications.*
- *Develop and apply research skills in biomedical sciences to discover, develop, and test new drug therapies to treat or prevent important health problems.*
- *Serve as a national leader in pharmacy education and research.*
- *Promote life-long learning for practitioners.*
- *Seek and welcome students, faculty and staff members regardless of factors such as gender, race, age, nationality, religion or disability and recognize the benefits of diversity.*

We share a commitment to excellence in education, research and practice.

We recognize and embrace the importance of professional service on a local, regional national and international level.

We provide community leadership and support,

We foster an environment where integrity, accountability, respect and collegiality are expected.

We advance the tenet that the SCCP is a member-driven organization that has accessible administrative leadership that empowers faculty, staff, students and alumni to shape the direction of the College

We actively promote diversity in an environment where students, faculty, and staff are welcome regardless of factors such as race, gender, nationality, religion, or disability.

## Degree Offered

The Doctor of Pharmacy (Pharm.D.) degree is offered. This is a full-time degree program requiring four academic years, which includes introductory practice experiences and some advanced practice experiences that must be completed during the summer semesters. For students entering program prior to Fall 2011 a total of 212 hours (66 hours of prepharmacy courses and 146 hours of professional program courses) are required for completion of the Doctor of Pharmacy degree; for students entering program in Fall 2011 and beyond, a total of 214 hours (66 hours of prepharmacy and 148 hours of professional program courses) are required.

## Entrance Requirements

Admission to the SCCP is competitive and is based on the applicant's completion of Pre-pharmacy requirements, GPA, academic record, letters of recommendation, interview evaluations, PCAT scores, honors/awards, extracurricular activities, work experience, student personal statement concerning their goals for a career in pharmacy and a diversity statement. Applicants must take the PCAT and have official scores reported prior to the end of the application period, on or before December 20 prior to the year of anticipated admission.

Applicants must provide an official copy of all college transcripts, including all grades for courses taken through the fall semester prior to application. Those currently enrolled at either USC Columbia or MUSC will be able to have their USC/MUSC transcripts generated internally at no cost for pharmacy admissions. 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 institution (MUSC or USC) where the student enrolls for the doctor of pharmacy program. All accepted students will be required to submit to a criminal background review prior to matriculation into the program.

## Prepharmacy Course Requirements

|                                |          |
|--------------------------------|----------|
| General Chemistry              | 8 hours  |
| Organic Chemistry              | 8 hours  |
| Physics                        | 6 hours  |
| Calculus                       | 3 hours  |
| Statistics                     | 3 hours  |
| Biology                        | 8 hours  |
| English Composition            | 3 hours  |
| English Literature/Composition | 3 hours  |
| Verbal Skills                  | 3 hours  |
| Economics                      | 3 hours  |
| Psychology                     | 3 hours  |
| Liberal Arts Electives         | 9 hours  |
| Human Anatomy/Physiology       | 6 hours  |
| Total                          | 66 hours |

- All Pre-pharmacy courses must be completed prior to starting SCCP classes.

## Transfer Admission (Doctor of Pharmacy Program)

Applications for transfer students from other accredited professional pharmacy programs into the college's professional program will be evaluated on an individual basis. The student applying for transfer must be in good standing in their current program and a position must be available in the SCCP program for any application to be considered.

## Transfer between SCCP Campuses (Doctor of Pharmacy Program)

1. Students must submit, in writing, to the Assistant Dean for Student Affairs, their specific reasons for requesting to change campuses.
2. Transfers will only be considered in the event of extenuating circumstances. The decision as to whether there is sufficient justification to warrant campus transfer rests solely with the college administration.
3. The Assistant Deans on each campus will facilitate communications and collection of information.
4. Transfers will not be allowed during an academic year. If approved, the transfer would be effective with the start of the next academic year.
5. A position must be available on the campus of transfer for the application to be considered.

## SCCP Academic Policies

- The letter grades of A, B+, B, C+, C, D+, and D represent passing grades in order from highest to lowest.
- Courses in which students earn grades of D, D+, F, or U must be repeated.
- S and U indicate, respectively, satisfactory (passing) and unsatisfactory (failing) performance in courses carried under the Pass-Fail option; this option will be used only for introductory practice experiences and elective courses which are specified as Pass-Fail.
- WF, which counts as an F in GPA calculation, is assigned for student withdrawal from a course after the drop date prescribed in the SCCP *Academic Calendar*. Students who must withdraw from all courses due to compelling circumstances may petition the Scholastic Standing Committee to receive grades of W rather than WF.
- W is assigned for student withdrawal from a course after the late registration period but before the drop date.
- 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. 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 course work within this time period will result in a final grade of F for the course. A grade of

Incomplete cannot be carried into the fourth professional year; requirements to remove the Incomplete and receive a final course grade must be fulfilled prior to the start of the practice experiences in the fourth professional year.

- A student receiving a grade of F in a prerequisite course cannot take the next course in the sequence. The student must retake the failed course and receive a grade of C or better before taking the next sequenced course, which may delay a student's progression.
- Students must have no course deficiencies and must meet all progression guidelines as defined under the SCCP Scholastic Standing Guidelines in order to begin their advanced 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.

## SCCP 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 2.00 in all professional courses; professional courses include elective courses attempted during the professional program. Course grades of D, D+, I, F and U are considered deficiencies.
- Students must remove any deficiencies by the beginning of fall semester in order to be promoted to the next year. This may be accomplished by taking summer classes, if available. Requests to take classes outside of the SCCP and to receive credit for these classes will require the approval of the course coordinator and the Associate Dean.
- Course withdrawals and leaves of absence require the approval of the Associate Dean. "Compelling circumstances" must be evident. Students who withdraw prior to the established SCCP drop date will receive a grade of W; students who withdraw from a course after the established SCCP 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 complete eight hours of electives by the end of the third professional year.
- Students will not be allowed to complete the next course in a sequenced group of courses if they receive a grade of F or U in the previous course; a grade of D+ or D in the previous course will allow a student to complete the next course 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 SCCP curriculum are listed below; it should be noted that some sequenced courses are scheduled over multiple professional years:

Foundations of Pathophysiology & Pharmacology I and II  
Foundations of Pharmaceutical Chemistry & Pharmacogenomics I and II  
Pharmaceutical Biochemistry and Pharmaceutical Biotechnology  
Introduction to Pharmacology and Medicinal Chemistry, Pharmacology II, and III (Note: Will no longer be in curriculum after 2011-2012)  
Introduction to Drug Information and Advanced Drug Information  
Introduction to Pharmacology and Medicinal Chemistry, Medicinal Chemistry II and III (Note: Will no longer be in curriculum after 2011-2012)  
Pathophysiology/Pharmacologic Basis of Therapeutics 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 I, II, III, and IV  
Pharmacotherapy I, II, III and 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 placed on suspension for one calendar year at the beginning of the next fall semester.
- No student will be allowed to take more than two courses per summer session.
- No student will be allowed to take a required course (except IPPE and APPE) for the first attempt in a summer session.
- Students with a deficiency (obtaining a D+, D, or F) on more than one APPE rotation will be dismissed from the program.

### Suspension:

- Suspension means that a student will be prohibited from advancing in the curriculum for one calendar year. Students will be suspended if they fail to remove any deficiencies by the beginning of the fall semester.
- A suspended student may repeat required course(s) once in order to remove deficiencies and strengthen areas of weakness. (Additionally, the student may have up to 8 hours of electives to improve the overall GPA and strengthen areas of weakness during their academic matriculation.)
- A suspended student who meets the requirements for promotion will then be placed on permanent probation (see definition below) and allowed to progress in the curriculum.
- Suspended students will not be allowed to seek or hold office in any professional organization at the SCCP.
- Failure to remove all deficiencies and to attain a cumulative GPA of 2.00 or higher by the conclusion of a period of suspension will result in dismissal (see definition below) from the College of Pharmacy.

**Academic Probation:**

- Probation is a permanent status in which a student must consistently and satisfactorily progress in the curriculum. Probationary students must attain a GPA of 2.00 or higher and meet the requirements for promotion by the beginning of fall semester each year. 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 at the SCCP.
- Failure to satisfy the terms of probation will result in dismissal.

**Dismissal:**

- Dismissal is the mandatory and permanent withdrawal of a student.
- After dismissal, the college will not accept any course work from the student to complete the Doctor of Pharmacy program.
- Students will be dismissed if they fail to remove all deficiencies, fail to attain a cumulative GPA of 2.00 or higher by the conclusion of a period of suspension, or if they fail to satisfy the terms of probation.
- A student may repeat a course in the professional curriculum only once. Failure to remove the course deficiency after the second attempt will result in the student's dismissal.
- 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.

**Petitions:**

- Any student seeking an exception to the academic standards may petition the SCCP Scholastic Standing Committee. A petition may be approved or denied based on the merits of the individual situation. The petition process will be handled through the Scholastic Standing Committee.
- A petition for readmission following withdrawal or dismissal from the program must be made to both the Scholastic Standing Committee and the Admissions Committee.

**SCCP Distance Education:**

The South Carolina College of Pharmacy will use distance education technology in the teaching of courses during the professional program.

**SCCP Course Policies**

- Students are obligated to complete all assigned work promptly, to attend class regularly, and to participate in class discussions/group exercises.
- 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 specific attendance policy.
- Students are required to attend 100 percent of laboratory course meetings.
- 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 or Assistant Dean at their campus.
- 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.
- Each campus will assign a professor of record, who will enter grades into the campus records system for each specific course. After each major examination, this faculty member is expected to contact the individual students with grades of D+, D, or F on the exam and offer an opportunity to meet with them regarding their performance on the exam, as well as offer mechanisms for improvement. The professor of record is also expected to provide the campus dean's office with a list of students receiving grades of D+, D, or F on the exam; this will allow the dean's office to identify students with academic problems in multiple courses. The dean's office will schedule academic progress conferences with students who have grade difficulties in multiple courses.

**SCCP Test Scheduling Policies**

- 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). These policies do not apply to written report dates, scheduled oral presentations, or weekly quizzes. No more than two tests will be given on the same day to the same class (e.g. P1, P2, etc.) A *day* is defined as the day of the week, not a 24-hour period. Consequently, under this policy, two tests could be administered on Monday afternoon and two tests could be administered on Tuesday morning. No tests, except in lab courses, will be given during the week prior to final exams.
- A test schedule will be distributed to all students on the first day of class each semester. During the first week of classes, each class president (or the class advisor for the P1 class during fall semester) will hold a class meeting to review the test schedule. Possible conflicts with professional, community, university, and social activities will be reported to course coordinators, who will make a decision on whether or not to reschedule a test or tests. After the first week of class, no changes to the test schedule will be considered.
- Students attending professional meetings may be excused from tests. In these cases, the course policy for excused test absences, as defined in the SCCP Course Policies, will be applied.
- Final examinations will be scheduled in accordance with the SCCP final exam schedule.
- This test policy may be suspended due to severe weather or natural disaster to facilitate rescheduling of missed classes and tests.

**Minimum Required Examination Procedures**

- All examinations will be proctored by a faculty member. At least one proctor is required to be present in the exam room at all times.
- No examination materials (including scratch paper) are to leave the room under any circumstances during the actual examination period or during an examination review.
- 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).
- 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.
- Cell phones, PDAs, iPods, or similar electronic devices are to be turned off and stored in book bags during examinations 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.
- Students are to be seated with one empty chair between individuals when facilities and space allow.
- 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.
- 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.
- Food or beverages are not allowed during examinations. All food containers and beverages should be placed at the front of the classroom along with bookbags.
- Restroom breaks are discouraged. If restroom breaks are needed during an examination, only one student at a time will be allowed to leave the exam room.
- Cheating in any form, is not allowed and will be considered an honor code violation and immediately referred to the Institution's Honor Council.
- Students should take all personal items and exit the exam room upon completion of the exam. Students are not permitted to reenter the exam room until all students have completed the exam.

#### **SCCP Student Advisement/Mentorship System**

- Each professional class on both campuses will be assigned a faculty class advisor. This class advisor will be actively involved in orientation and should actively promote professionalism within the class; the class advisor should also serve as a problem solver for the class. The advisor may meet with class officers to plan class events such as community outreach. The faculty advisor follows the class throughout their academic career in SCCP. Faculty members may serve a four-year term as class advisor. The class advisors are appointed by the Assistant Dean for Student Affairs and approved by the chair of the department of the faculty member.
- SCCP faculty members will be encouraged to serve as career mentors. A faculty career mentor should serve as a contact person, problem solver, and career advisor to aid students in exploring the various career paths available upon graduation. The Assistant Dean for Student Affairs will provide the faculty with an update on student policies and student support services at least once yearly.
- Each semester, the Assistant Dean for Student Affairs will coordinate an elective and track program showcase. This event will be open to all students that will need elective course and track program information. The faculty members teaching in the elective courses and managing the track programs will provide information at the showcase and be available to 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.

#### **Pharmacy Intern Certificate**

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

#### **SCCP Experiential Rotations**

Experiential rotations will be assigned by a computerized random "spin" on the E\*Value system. Students may enter preferences for physical location, rotation sites, and preceptors, but preferences are not guaranteed. The Experiential Department will attempt to place students at a site that is within one hour driving distance each way. All students should be prepared to arrange their own housing for IPPEs or APPEs if necessary due to limited rotation sites.

#### **Requirements for Practice Experiences:**

- Criminal background checks and student liability insurance coverage will be required for all students prior to beginning their introductory and advanced practice experiences.
- Prior to beginning the Introductory Community Practice Experience SCCP 699, students are required to have and provide documentation of an active South Carolina intern certificate (additional state-specific intern certificates required for out-of-state practice experiences), health insurance, government issued photo identification, and completed HIPPA, OSHA, and Students Drug-Free Schools & Community Act.
- Prior to beginning the Introductory Institutional Practice Experience SCCP 798, students are required to have and provide documentation of an active South Carolina intern certificate (additional state-specific intern certificates required for out-of-state practice experiences), health insurance, government-issued photo identification, required immunization documentation, criminal background authorization form, Basic Life Support for the Healthcare Provider, media fill verification, and completed HIPPA, OSHA, and Students Drug-Free Schools & Community Act, additional information may be required by specific sites such as drug screens, confidentiality agreements and documentation of specific training required by the site.
- Prior to beginning Advanced Pharmacy Practice Experiences (APPEs), students must have current/updated documentation of all items required for SCCP 798. Additional information may be required by specific sites such as drug screens, confidentiality agreements and documentation of specific training required by the site.
- Students with a "problem" background check should have records expunged before beginning any practice experience. If record cannot be expunged, the College will make a reasonable effort to place the student at a site. Many sites now require background checks and placement is not guaranteed. Students are responsible for clearing any "problems" found in criminal background checks.

#### **Attendance Policy for Practice Experiences:**

- There are no excused absences for students participating in introductory pharmacy practice experiences (IPPE); any time missed must be made up at the preceptor's convenience. More specific information regarding attendance policies for IPPE will be provided by the Experiential Department and respective Experiential Manuals.
- Students will have a maximum of five days of excused absences during their advanced pharmacy practice experiences (APPE). Absences cannot be saved and taken all at once, and no more than two days may be excused during one APPE. Absences cannot be saved for the last days of an experience to facilitate an early exit from the practice experience. Failure to meet experience attendance requirements will result in a failing grade, unless the individual situation warrants an Incomplete or Withdrawal, and the entire practice experience must be repeated. The Director of Experiential Programs, preceptor, and Associate Dean of the student's campus will determine the guidelines for repeating the practice experience. A

failure or dismissal from an IPPE or APPE will result in an additional tuition charge for a practice experience. More specific information regarding attendance policies for APPE will be provided by the Director of Experiential Programs.

#### **Grading Policy for Practice Experiences**

- The SCCP grading scale will be utilized for all practice experiences.
- Introductory practice experiences will be pass/fail. Advanced practice experiences will receive letter grades.
- Completion of all required assignments in E\*Value and personal student Portfolios is required prior to posting of grades.

#### **SCCP Student Dress Code**

- The SCCP student dress code is mandatory for all practice laboratories, all introductory and advanced pharmacy practice experiences, grand rounds/seminars, and professional events where students are representing the SCCP.
- MUSC campus students must wear their ID badges at all times while on campus. Students from both campuses must adhere to individual institution/pharmacy 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 a grade reduction (please see specific laboratory syllabi for penalties related to inappropriate dress). In the experiential setting, students may be dismissed immediately if dressed inappropriately and asked to return in appropriate dress. Students will be required to make up this time away from rotation (please refer to the attendance policies in the experiential manuals).
- The following guidelines are appropriate for dress during laboratory and experiential rotations:  
Students are required to wear a white, long sleeved jacket-length lab coat and ID badge attached at the collar or chest pocket of the lab coat. Non-SCCP/commercial logos and badges are not permitted on lab coats. Men are required to wear a dress shirt with tie, dress slacks, dress socks, and close-toed dress shoes. Women are required to wear a dress blouse or sweater with a skirt or dress slacks, or a dress and close-toed dress shoes. No attire (e.g., short skirts or dresses, tight fitting clothing, low-cut blouses), accessories (e.g., large jewelry, sunglasses) or behaviors (e.g., chewing gum, wearing excessive cologne or perfume) that may be deemed unsafe or distracting to other students, instructors, preceptors, health care team members or patients will be permitted.
- 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.

#### **SCCP Student Honor Code**

- Policies regarding honor code and academic integrity for students enrolled in the South Carolina College of Pharmacy are defined in the individual academic bulletins for the students' campus of enrollment, the University of South Carolina-Columbia or the Medical University of South Carolina-Charleston. For students at the USC campus, *Carolina Community* provides additional guidelines, including notification of student rights under FERPA and other mandated notifications.
- Any reports of potential Student Honor Code violation on the USC campus by faculty, staff, or students may be sent to the USC Office of Academic Integrity or the MUSC Honor Council for the College of Pharmacy. The academic bulletin for the campus involved will provide the guidelines for dealing with these situations.

#### **SCCP Student Professionalism Policy**

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:

1. Student attendance for rotations, lectures, laboratory sessions, and meetings is expected and students must adhere to attendance policies enacted by the course syllabus. Students are expected to be punctual and to remain present until the conclusion of the activity.
2. In all academic and professional settings, students are expected to be alert and prepared to handle all assigned tasks and duties. When students are assigned to work with others, it is expected that the student will participate and complete their responsibilities with regard to the project.
3. In all academic, professional, and social settings, it is expected that students will be, courteous, respectful, non-disruptive, and display positive demeanor.
4. The expression of criticism or issues, either in person, in writing (letter or email), or telephone will be done in a non-threatening, non-abusive, and positive manner. Students should follow the SCCP Student Grievance Policies in regards to individual or class issues.
5. In professional settings, students will always dress in accordance with the SCCP Dress Code.

6. In all academic, professional, and public settings, it is expected that students will display the highest level of honesty and ethics. If a student suspects that another student has committed a form of academic dishonesty, there is an obligation on the student to report the violation in accordance with the campus Honor Code.
7. A pharmacy student is required to uphold the dignity and honor of the profession, and to accept its ethical principles. Students shall not engage in any activity that will discredit the profession. Students are expected to follow and uphold all local, state and federal laws at all times.

- **Social Media Policy**

The SCCP 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 SCCP Student Professionalism Policy):

- You may not discuss the personal health information of other individuals. Removal of an individual's name does not alone constitute proper de-identification of protected health information. Inclusion of data such as age, gender, race, diagnosis, date of evaluation, or type of treatment or the use of a highly specific medical photograph (such as a before/after photograph of a patient having surgery or a photograph of a patient from a medical outreach trips) 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 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 SCCP 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 or staff.
- Verbal, written or electronic insults to the College of Pharmacy administration, faculty, preceptors, staff, or students.
- Threats or acts of physical violence to SCCP administration, faculty, preceptors, staff, or students.
- Harassment, in any form, of SCCP administration, faculty, staff, preceptor or students.
- Violating the confidentiality of a faculty committee by an appointed student representative serving on that committee.

Due to the prevalence of and types of information that can be displayed through social media (Facebook™, Twitter™, blogs, etc.) in today's society, the College offers the following social media use guidelines for students. The SCCP also recommends that students review the MUSC Social Media Guidelines (available at <http://academicdepartments.musc.edu/webcopyright/socialnetworking.html>) for additional guidance on appropriate utilization of social media.

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

- 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; and
- display of any language that degrades or disrespects patients.

Those actions may be interpreted as violations of the SCCP 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 Assistant Dean for Student Affairs. Under usual circumstances, the incident should have been brought to the student's attention and resolution attempted before reporting the incident to the Assistant Dean. Upon receiving a report regarding unprofessional behavior, the Assistant Dean 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 Assistant Dean may act on a single behavioral report or wait to act until he/she receives multiple reports of unprofessional behavior. In cases where the Assistant Dean 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. If the Assistant Dean determines that disciplinary action is warranted, each case will be addressed in the following manner:

The Assistant Dean 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 Assistant Dean will also discuss the potential consequences for unprofessional behavior with the student. If a written warning is indicated, the student and Assistant Dean 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 further penalty is indicated, the Assistant Dean will consult with the Assistant Dean for Student Affairs from the other campus. Following the consultation, the Assistant Dean may also place the student on professional conduct probation if this is the deemed an appropriate penalty by the Assistant Deans for Student Affairs. The Assistant Dean will notify the Student Policy Committee Chair(s) if a student is placed on professional conduct probation.

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

Professional conduct probation is defined as any time up to and including one calendar year 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; or
- Ineligibility to receive financial support from the College of Pharmacy to attend professional organization meetings.

If the committee recommends suspension, the student may be suspended from the College of Pharmacy for up to one year. The same penalties for professional conduct probation apply to a student who is suspended. 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 Committee to the Scholastic Standing and Petitions Committee. A final appeal can be made to the Executive Dean. The Executive 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 individual universities 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.

### **SCCP Student Sexual Harassment Policy**

The specific policies regarding sexual harassment for students enrolled in the South Carolina College of Pharmacy are defined in the individual academic bulletins for the students' campus of enrollment, the University of South Carolina-Columbia or the Medical University of South Carolina-Charleston. For students at the USC campus, *Carolina Community* provides additional guidelines, including notification of student rights under FERPA and other mandated notifications.

### **Criminal Background Check & Student Arrest Policy**

The South Carolina College of Pharmacy (SCCP) will conduct Criminal Background Checks for all students applying for admission to the professional program. In addition, the SCCP may conduct Criminal Background Checks prior to pharmacy practice experiential rotations. The SCCP may provide the results of these Criminal Background Checks to the USC Campus Office of Student Judicial Programs, MUSC Campus Dean's Office, the South Carolina Board of Pharmacy, and/or the pharmacy practice sites participating in experiential rotations.

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, Medical University of South Carolina and/or the South Carolina Board of Pharmacy. The appropriate SCCP Campus Dean's office may immediately suspend a student from participating in experiential rotations until their case can be reviewed by USC Campus Office of Student Judicial Programs, MUSC Campus Dean's Office, 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 appropriate SCCP Campus Dean's office may immediately suspend a student from participating in experiential rotations if the Campus 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
  1. All students will be required to sign a consent form which allows the SCCP to provide "problem" background check results to the South Carolina Board of Pharmacy and Experiential Rotation Preceptor(s).
  2. All arrests or convictions must be reported to the Assistant Dean for Student Affairs within 2 university business days of the event. The arrest or conviction may be reported to the South Carolina Board of Pharmacy by the SCCP. Additionally, USC campus students must notify the USC Office of Judicial Programs 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 Campus Dean may suspend the arrested or convicted student immediately until the charges have been resolved. The student case will be reviewed by the SCCP Student Policy Committee and a recommendation for resolution will be provided to the Campus Dean.
  3. If an arrested student fails to report the arrest or conviction within 2 university business days, then he/she may be subject to immediate suspension or dismissal from the SCCP.
  4. Any official documentation related to arrests or convictions must be reported to the SCCP within 2 university business days of receipt. The Assistant Dean for Student Affairs 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.
  5. Any student arrested or convicted for drug or alcohol related offenses may be required to seek counseling and/or educational services at the Recovering Professionals Program (RPP), USC Counseling and Human Development Center (USC Campus) and/or Counseling and Psychological Services (MUSC Campus). The student may be required to sign a release statement authorizing the SCCP Assistant Dean for Student Affairs 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 SCCP within 72 hours of receipt. Any expense incurred for the drug screenings will be the responsibility of the student.
  6. If a student's pharmacy intern license is suspended, revoked, or voluntarily surrendered, the student may be suspended from the SCCP.
  7. Further requirements that may be imposed upon the student can be found in the Chemical Impairment Policy.

### **Chemical Impairment Policy**

The specific policies for alcohol and other drug abuse prevention and intervention for students enrolled in the South Carolina College of Pharmacy are defined in the individual academic bulletins for the students' campus of enrollment, the University of South Carolina-Columbia or the Medical University of South Carolina-Charleston. For students at the USC campus, *Carolina Community* provides additional guidelines, including notification of student rights under FERPA and other mandated notifications.

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

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

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

- Procedures
  - SCCP students who suspect that they may be chemically impaired are encouraged to voluntarily report themselves to the Assistant Dean for Student Affairs.
  - It is the professional responsibility of all SCCP faculty, staff, and students to report or intervene in cases when they suspect a student to be chemically impaired. The Assistant Dean for Student Affairs should be notified in those cases where student impairment is suspected. Conduct that may suggest chemical impairment includes:
    - A decline in academic performance
    - Changes in behavior
    - Failure to carry out professional responsibilities
    - Repeated tardiness or absenteeism
    - Psychomotor deficiencies
    - Observed intoxication
  - The Assistant Dean for Student Affairs will refer students suspected of chemical impairment to one or more of the following as appropriate: the Recovering Professional Program (RPP), USC Counseling and Human Development Center (USC Campus) and/or Counseling and Psychological Services (MUSC Campus)
  - The appropriate SCCP Campus Dean's office may immediately suspend a chemically-impaired student from participating in experiential rotations due to the risk posed to public safety.
  - Referred students will be required to sign a statement allowing the SCCP to contact the recovery or counseling program in order to verify that the student has sought the service. In addition, the statement will allow the recovery or counseling program to discuss with the SCCP Campus Deans appropriate recommendations for potential re-entry into the SCCP program by the student (if student is suspended).
  - A file separate from the student file in the Dean's Office will be kept on the chemically-impaired student. The Assistant Dean for Student Affairs will maintain this separate file.
  - Some of these counseling and educational services are offered at no cost to the student. If there is a cost associated with any of the services, it is the responsibility of the student.
  - The chemical impairment counselor will monitor the student's ongoing recovery and will notify the SCCP Assistant Dean for Student Affairs immediately should a student fail to comply with any aspect of his/her recovery and monitoring program. Ongoing monitoring will continue until such time as the student graduates or otherwise leaves the SCCP. Should a student not comply with the recommended treatment, the SCCP will take appropriate action based on discussions between the program counselor and the Assistant Dean. This action may include suspension or dismissal from the SCCP.
  - Participation in a recovery program does not make the chemically-impaired pharmacy student immune to legal proceedings for criminal acts involving drug misuse, or illegal use.
  - The academic standing of a chemically-impaired pharmacy student will not change while the student is on a leave of absence for therapy. If the student is academically ineligible to continue in the pharmacy curriculum, participation in the rehabilitation program will not preclude administrative action for dismissal from the College of Pharmacy for academic reasons.
  - If a student's pharmacy intern license is suspended, revoked, or voluntarily surrendered, the student may be suspended from the SCCP.

### Eligibility for Federal Financial Aid and 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 SCCP policies may be prohibited from receiving a scholarship from the SCCP.

### SCCP Student Grievance Policies

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

1. Make an appointment with the individual with whom the problem exists, explain the problem, and try to resolve it
2. If the problem cannot be resolved directly, the student should then contact the individual's supervisor.
3. If the problem is still unresolved, the student should complete a Grievance Report Form (found on the college's Web site [www.sccp.sc.edu](http://www.sccp.sc.edu)) and forward it to the Associate Dean on the USC Campus or Assistant Dean for Student Affairs on the MUSC Campus. The student should also make an appointment to meet with the appropriate Dean with which the report form was submitted. The Associate Dean on USC Campus or Assistant Dean for Student Affairs on MUSC campus will review the complaint and intervene if college or university policies have been violated. The Associate Dean on USC Campus or Assistant Dean for Student Affairs on MUSC campus will maintain a file of all such reported grievances and their outcomes. Situations that have not been resolved at this point will be referred to the SCCP 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 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 Assistant Dean for student affairs.
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 complete a Grievance Report Form (found on the college's Web site [www.sccp.sc.edu](http://www.sccp.sc.edu)), forward it and the previous written statement to the Associate Dean on the USC Campus or Assistant Dean for Student Affairs on MUSC campus.

The class president should also make an appointment to meet with the appropriate Dean with which the report form was submitted. The Associate Dean on USC campus or Assistant Dean for Student Affairs on MUSC Campus will review the complaint and intervene if college or university policies have been violated. The Associate Dean on USC Campus or Assistant Dean for Student Affairs on MUSC campus will maintain a file of all such reported grievances and their outcomes. Situations that have not been resolved at this point will be referred to the SCCP Grievance Committee for final review and action.

### Accreditation Issues

Issues, questions, comments or complaints pertaining to accreditation should be directed to the Associate Dean on each campus. The College will keep a file of all communications related to accreditation. If issues or complaints have not been satisfactorily resolved at the College the Accreditation Council for Pharmacy Education's (ACPE) may be contacted via email: [csinfo@acpe-accredit.org](mailto:csinfo@acpe-accredit.org). The Accreditation Council for Pharmacy Education has offices at 20 North Clark Street, Suite 2500, Chicago, Ill. 60602-5109. They may be contacted by phone at 312-664-3575, by fax at 312-664-4652, or via their Web site: [www.acpe-accredit.org](http://www.acpe-accredit.org).

### SCCP Severe Weather Policies

- In the event of a weather emergency which might affect class schedules, each SCCP campus will follow the guidelines as provided by their individual institutions, the University of South Carolina or the Medical University of South Carolina.
- Students should access the USC website at [www.sc.edu](http://www.sc.edu) or the MUSC website at [www.musc.edu](http://www.musc.edu) to determine if there has been an official announcement that classes have been cancelled or delayed.
- SCCP students on both campuses may get severe weather alerts from either university; SCCP students should follow the guidelines of only their specific university campus regarding cancellation or delay of classes.
- The Campus Dean and/or Associate Dean on each campus will determine the specifics of how that campus will follow university guidelines and will inform the Director of Communications. The Director of Communications will be responsible for getting a notice posted on the front page of the SCCP Web site and via other electronic avenues of communication such as Twitter. Students on both campuses will get an email notifying them of how their specific campus is affected
- 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. These classes would be recorded and made available to all SCCP students. The affected campus coordinator will determine lab make up. If an exam was scheduled for the day, then the exam would be delayed on both campuses until another regular class meeting time.
- USC and MUSC University procedures in the event of severe weather do not apply during 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.

### Accreditation Disclosure Statement

South Carolina College of Pharmacy's Doctor of Pharmacy program is accredited by the Accreditation Council for Pharmacy Education, 20 North Clark Street, Suite 2500, Chicago, IL 60602-5109, 312/664-3575; FAX 312/664-4652, web site [www.acpe-accredit.org](http://www.acpe-accredit.org).

### Educational Outcomes for the South Carolina College of Pharmacy – Doctor of Pharmacy Graduate

- I. **PHARMACEUTICAL CARE** Provide pharmaceutical care in cooperation with patients, prescribers, and other members of an inter-professional health care team based upon sound therapeutic principles and evidence-based data, taking into account relevant legal, ethical, social, economic, and professional issues, emerging technologies, and evolving biomedical, sociobehavioral, and clinical sciences that may impact therapeutic outcomes.\*
  - A. Acquire and apply knowledge in the biological, social, pharmaceutical, and clinical sciences as a foundation for pharmaceutical care (including but not limited to anatomy, physiology, biochemistry, pathophysiology, immunology, microbiology, pharmaceuticals, biopharmaceuticals, molecular biology, pharmaceutical calculations, pharmacokinetics, medicinal chemistry, pharmacology, drug information, pharmacogenomics, pharmacoconomics, outcomes, statistics, pharmacy law, ethics, pharmacy practice, and therapeutics).
  - B. Provide patient-centered care.
    1. Perform a comprehensive medication review to identify, resolve and prevent medication-related problems.
    2. Design, implement, monitor, evaluate, adjust and document pharmaceutical care plans that are patient-specific, evidence-based, appropriate and cost effective.
    3. Evaluate drug orders or prescriptions consistent with patient history and current health status. Accurately and safely prepare dosage forms/drug delivery systems (including sterile products), appropriately select, package, label, and dispense drug products
    4. Provide verbal education and training designed to enhance patient and/or caregiver understanding and appropriate use of medications. Determine when additional information, support services and resources are needed to enhance patient and/or caregiver understanding for the appropriate use of medications.
    5. Communicate and collaborate with prescribers, patients, care givers, and other involved health care providers to engender a team approach to patient care.
    6. Retrieve, analyze, and interpret the professional, lay, and scientific literature in order to provide drug information to patients, their families, and other involved health care providers
    7. Carry out duties in accordance with legal, ethical, social, economic, and professional guidelines.
    8. Maintain professional competence by indentifying and analyzing emerging issues, products, and services that may impact patient-specific therapeutic outcomes.

- C. Provide population-based care.
1. Develop and implement population-specific, evidence-based disease management programs and protocols based upon analysis of epidemiologic and pharmaco-economic data, medication use criteria, medication use review, and risk reduction strategies.
  2. Communicate and collaborate with prescribers, population members, care givers, and other involved health care providers to engender a team approach to patient care.
  3. Retrieve, analyze, and interpret the professional, lay, and scientific literature in order to provide drug information to other health care providers and to the public.
  4. Carry out duties in accordance with legal, ethical, social, economic, and professional guidelines.
  5. Maintain professional competence by identifying and analyzing emerging issues, products, and services that may impact population-based, therapeutic outcomes.
- II. **MEDICATION SYSTEMS MANAGEMENT** Manage and use resources of the health care system, in cooperation with patients, prescribers, other health care providers, and administrative and supportive personnel, to promote health; to provide, assess, and coordinate safe, accurate, and time-sensitive medication distribution; and to improve therapeutic outcomes of medication use.\*
- A. Manage human, physical, medical, informational, and technological resources.
1. Apply relevant legal, ethical, social, economic, and professional principles/issues to assure efficient, cost-effective utilization of human, physical, medical, informational, and technological resources in the provision of patient care.
  2. Communicate and collaborate with patients, prescribers, other health care providers, and administrative and supportive personnel to engender a team approach to assure efficient, cost-effective utilization of human, physical, medical, informational, and technological resources in the provision of patient care.
  3. Carry out duties in accordance with legal, ethical, social, economic, and professional guidelines.
  4. Maintain professional competence by identifying and analyzing emerging issues, products, and services that may impact management of human, physical, medical, informational, and technological resources in the provision of patient care.
- B. Manage medication use systems.
1. Apply patient- and population-specific data, quality assurance strategies, and research processes to assure that medication use systems minimize drug misadventuring and optimize patient outcomes.
  2. Apply patient- and population-specific data, quality assurance strategies, and research processes to develop drug use and health policy, and to design pharmacy benefits.
  3. Communicate and collaborate with prescribers, patients, caregivers, other involved health care providers and administrative and supportive personnel to identify and resolve medication use problems.
  4. Carry out duties in accordance with legal, ethical, social, economic, and professional guidelines.
  5. Maintain professional competence by identifying and analyzing emerging issues, products, and services that may impact medication use systems, to develop use and health policy, and to design pharmacy benefits.
- III. **PREVENTIVE PHARMACEUTICAL CARE** Promote health improvement, self-care (including but not limited to nonprescription, complementary and alternative medicines), wellness, and disease prevention in cooperation with patients, communities, at-risk populations, and other members of an inter-professional team of health care providers.\*
- A. Promote the availability of effective, quality health and disease prevention services.
1. Critically evaluate population-specific data, quality assurance strategies, and research processes to identify and resolve health problems and evaluate health policy.
  2. Communicate and collaborate with prescribers, policy makers, members of the community and other involved health care providers and administrative and supportive personnel to identify and resolve (omit public) health problems and evaluate health policy.
  3. Carry out duties in accordance with legal, ethical, social, economic, and professional guidelines.
  4. Maintain professional competence by identifying and analyzing emerging issues, products, and services that may affect the efficacy or quality of disease prevention services to amend existing or develop additional services.

\*Please note that Sections I, II and III of this document are not intended to provide equal emphasis in the curriculum and a suggested approximate weighting of 80% Section 1, and about 10% each to Sections II and III has been suggested by the joint committee.

**South Carolina College of Pharmacy Curriculum**

Approved by the SCCP faculty on May 13, 2009

| <b>Fall P1 (semester 1)</b>                    | <b>Course #</b> | <b>Hours</b> | <b>Spring P1 (semester 2)</b>                          | <b>Course #</b> | <b>Hours</b> |
|------------------------------------------------|-----------------|--------------|--------------------------------------------------------|-----------------|--------------|
| Integrated Physiology-Pathophysiology I        | SCCP 600        | 2            | Integrated Physiology-Pathophysiology II               | SCCP 601        | 5            |
| Pharmaceutics I                                | SCCP 605        | 3            | Pharmaceutics II                                       | SCCP 606        | 3            |
| Microbiology/Immunology                        | SCCP 610        | 4            | Biochemistry/Biotechnology II                          | SCCP 616        | 2            |
| Biochemistry/Biotechnology I                   | SCCP 615        | 3            | Intro. to Pharmacology and Med. Chem.                  | SCCP 620        | 3            |
| Introduction to Pharmacy Practice              | SCCP 650        | 2            | Intro. to Community Pharmacy Lab I                     | SCCP 670        | 1            |
| Pharmacy Calculations and Med. Terminology     | SCCP 655        | 1            | Clinical Applications II                               | SCCP 661        | 1            |
| Clinical Applications I                        | SCCP 660        | 1            | Intro. to Drug Information                             | SCCP 680        | 1            |
| Compounding & Applied Pharmaceutics Lab        | SCCP 671        | 1            |                                                        |                 | <b>16</b>    |
|                                                |                 | <b>17</b>    |                                                        |                 |              |
| <b>Summer P1</b>                               |                 |              |                                                        |                 |              |
| Introductory Community Practice Experience     | SCCP 699        | 4            |                                                        |                 |              |
|                                                |                 |              |                                                        |                 |              |
| <b>Fall P2 (semester 3)</b>                    | <b>Course #</b> | <b>Hours</b> | <b>Spring P2 (semester 4)</b>                          | <b>Course #</b> | <b>Hours</b> |
| Pharmacology II                                | SCCP 720        | 3            | Pharmacotherapy I                                      | SCCP 770        | 4            |
| Medicinal Chemistry II                         | SCCP 725        | 3            | Pharmacology III                                       | SCCP 721        | 3            |
| Self-Care and Complementary Med.               | SCCP 750        | 4            | Medicinal Chemistry III                                | SCCP 726        | 3            |
| Biopharmaceutics and Pharmacokinetics          | SCCP 710        | 3            | Outcomes Design and Assessment                         | SCCP 780        | 3            |
| Intro. to Health Systems Lab                   | SCCP 790        | 1            | Applied Health Systems Lab                             | SCCP 791        | 1            |
| Clinical Applications III                      | SCCP 760        | 1            | Clinical Applications IV                               | SCCP 761        | 1            |
| Elective*                                      | XXXX XXX        | 1-3          | Elective*                                              | XXXX XXX        | 1-3          |
|                                                |                 | <b>16-18</b> |                                                        |                 | <b>16-18</b> |
| <b>Summer P2</b>                               |                 |              |                                                        |                 |              |
| Introductory Institutional Practice Experience | SCCP 798        | 4            |                                                        |                 |              |
|                                                |                 |              |                                                        |                 |              |
| <b>Fall P3 (semester 5)</b>                    | <b>Course #</b> | <b>Hours</b> | <b>Spring P3 (semester 6)</b>                          | <b>Course #</b> | <b>Hours</b> |
| Pharmacotherapy II                             | SCCP 870        | 5            | Pharmacotherapy III                                    | SCCP 871        | 3            |
| Health Care Systems and Management             | SCCP 850        | 4            | Pharmacotherapy IV                                     | SCCP 872        | 4            |
| Advanced Drug Information                      | SCCP 880        | 2            | Pharmacy Law and Ethics                                | SCCP 885        | 3            |
| Clinical Pharmacokinetics                      | SCCP 890        | 3            | Clinical Assessment                                    | SCCP 895        | 3            |
| Clinical Applications V                        | SCCP 860        | 1            | Clinical Applications VI                               | SCCP 861        | 1            |
| Applied Community Pharmacy Lab                 | SCCP 771        | 1            | Elective*                                              | XXXX XXX        | 1-3          |
| Elective*                                      | XXXX XXX        | 1-3          |                                                        |                 | <b>15-17</b> |
|                                                |                 | <b>17-19</b> |                                                        |                 |              |
| <b>Summer P4 (semester 7)</b>                  |                 |              |                                                        |                 |              |
| APPE x 1, 2 or 3                               | XXX             | 4-12         |                                                        |                 |              |
|                                                |                 |              |                                                        |                 |              |
| <b>Fall P4 (semester 8)</b>                    | <b>Course #</b> | <b>Hours</b> | <b>Spring P4 (semester 9)</b>                          | <b>Course #</b> | <b>Hours</b> |
| APPE x 3 or 4                                  | XXX             | 12-16        | APPE x 3 or 4                                          | XXX             | 12-16        |
|                                                |                 |              |                                                        |                 |              |
| <b>P4 (semester 7, 8 or 9)</b>                 | <b>Course #</b> | <b>Hours</b> | <b>Total Hours (P4 year)</b>                           | <b>Hours</b>    | <b>Hours</b> |
| Grand Rounds (seminar)                         | SCCP 999        | 1            |                                                        |                 | <b>37</b>    |
|                                                |                 |              | <b>Total Hours (Total Hours including PrePharmacy)</b> |                 | <b>(212)</b> |
| <b>Total Hours for Professional Program</b>    |                 | <b>146</b>   |                                                        |                 |              |

\*Typically, electives range from 1 to 3 credit hours. One must complete 8 hours of electives by the end of the third year.

- Minimum 300 hours of Introductory Pharmacy Practice Experience (IPPE) (as required by ACPE) will be satisfied by **two** 4-credit (one month) externships in the summers of the P1 and P2 years.
- Minimum 1440 hours of Advanced Pharmacy Practice Experience (APPE) (as required by ACPE) will be satisfied by **nine** 4-credit (one-month) clerkships in the P4 year.
- Rotations include: 2 x acute care rotations (critical care, pediatrics, psychiatry, general medicine, internal medicine, cardiology, neurology, nephrology, transplantation, etc), 1 x ambulatory care, 1 x health care team (e.g. drug information, poison center, long-term care/assisted living, a second ambulatory care, a third acute care, and others), 1 x community pharmacy, 1 x hospital pharmacy, and 3 electives.
- One 1-credit Clinical Seminar/Ground Rounds (SCCP 999) will be required during the P4 year.
- Clinical Applications I–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 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 rotation South Carolina College of Pharmacy Course Descriptions

**South Carolina College of Pharmacy Curriculum - Revised**  
For students entering program in Fall 2011 and beyond

| <b>Fall P1 (semester 1)</b>                                  | <b>Course #</b> | <b>Hours</b>   | <b>Spring P1 (semester 2)</b>                                 | <b>Course #</b>                            | <b>Hours</b>   |
|--------------------------------------------------------------|-----------------|----------------|---------------------------------------------------------------|--------------------------------------------|----------------|
| Foundations of Pathophysiology & Pharmacology I              | SCCP 602        | 2              | Foundations of Pathophysiology & Pharmacology II              | SCCP 603                                   | 3              |
| Foundations of Pharmaceutical Chemistry & Pharmacogenomics I | SCCP 621        |                | Foundations of Pharmaceutical Chemistry & Pharmacogenomics II | SCCP 622                                   | 4              |
| Dosage Forms and Drug Delivery Systems                       | SCCP 607        | 4              | Pharmaceutical Biotechnology                                  | SCCP 616                                   | 2              |
| Pharmaceutical Biochemistry                                  | SCCP 615        | 3              | Microbiology & Immunology                                     | SCCP 610                                   | 4              |
| Introduction to Pharmacy Practice                            | SCCP 650        | 2              | Transforming Health Care                                      | IP 710                                     | 2              |
| Pharmacy Calculations and Med. Terminology                   | SCCP 655        | 1              | Clinical Applications II                                      | SCCP 661                                   | 1              |
| Clinical Applications I                                      | SCCP 660        | 1              | Intro. to Drug Information                                    | SCCP 680                                   | 1              |
| Compounding & Applied Pharmaceutics Lab                      | SCCP 671        | 1              | Intro. to Community Pharmacy Lab I                            | SCCP 670                                   | 1              |
|                                                              |                 | <u>17</u>      |                                                               |                                            | <u>18</u>      |
| <b>Summer P1</b>                                             |                 |                |                                                               |                                            |                |
| Introductory Community Practice Experience                   | SCCP 699        | 4              |                                                               |                                            |                |
| <b>Fall P2 (semester 3)</b>                                  |                 |                |                                                               |                                            |                |
| Pathophysiology/Pharmacologic Basis of Therapeutics I        | SCCP 722        | 3              | Pathophysiology/Pharmacologic Basis of Therapeutics II        | SCCP 723                                   | 3              |
| Pharmacotherapy I                                            | SCCP 770        | 4              | Pharmacotherapy II                                            | SCCP 870                                   | 4              |
| Self-Care and Complementary Med.                             | SCCP 750        | 4              | Clinical Pharmacokinetics                                     | SCCP 890                                   | 3              |
| Biopharmaceutics and Pharmacokinetics                        | SCCP 710        | 3              | Outcomes Design and Assessment                                | SCCP 780                                   | 3              |
| Intro. to Health Systems Lab                                 | SCCP 790        | 1              | Applied Health Systems Lab                                    | SCCP 791                                   | 1              |
| Clinical Applications III                                    | SCCP 760        | 1              | Clinical Applications IV                                      | SCCP 761                                   | 1              |
| Elective*                                                    |                 | 1-3            | Elective*                                                     |                                            | 1-3            |
|                                                              |                 | <u>17 - 19</u> |                                                               |                                            | <u>16 - 18</u> |
| <b>Summer P2</b>                                             |                 |                |                                                               |                                            |                |
| Introductory Institutional Practice Experience               | SCCP 798        | 4              |                                                               |                                            |                |
| <b>Fall P3 (semester 5)</b>                                  |                 |                |                                                               |                                            |                |
| Pathophysiology/Pharmacologic Basis of Therapeutics III      | SCCP 822        | 3              | Pathophysiology/Pharmacologic Basis of Therapeutics IV        | SCCP 823                                   | 3              |
| Pharmacotherapy III                                          | SCCP 871        | 4              | Pharmacotherapy IV                                            | SCCP 872                                   | 4              |
| Health Care Systems and Management                           | SCCP 850        | 4              | Pharmacy Law and Ethics                                       | SCCP 885                                   | 3              |
| Advanced Drug Information                                    | SCCP 880        | 2              | Clinical Assessment                                           | SCCP 895                                   | 3              |
| Clinical Applications V                                      | SCCP 860        | 1              | Clinical Applications VI                                      | SCCP 861                                   | 1              |
| Applied Community Pharmacy Lab                               | SCCP 771        | 1              | Elective*                                                     |                                            | 1-3            |
| Elective*                                                    |                 | 1-3            |                                                               |                                            | 15 - 17        |
|                                                              |                 | <u>16 - 18</u> |                                                               |                                            |                |
| <b>Summer P4 (semester 7)</b>                                |                 |                |                                                               |                                            |                |
| APPE x 1 - 3                                                 |                 | 4 - 12         |                                                               |                                            |                |
| <b>Fall P4 (semester 8)</b>                                  |                 |                |                                                               |                                            |                |
| APPE x 3 - 4                                                 |                 | 12 - 16        | <b>Spring P4 (semester 9)</b>                                 |                                            |                |
|                                                              |                 |                | APPE x 3 - 4                                                  |                                            |                |
|                                                              |                 |                |                                                               |                                            | 12 - 16        |
| <b>P4 (semester 7, 8 or 9)</b>                               |                 |                |                                                               |                                            |                |
| Clinical Seminar/Grand Rounds                                | SCCP 999        | 1              |                                                               |                                            |                |
| <b>Total Hours for Professional Program</b>                  |                 |                |                                                               | <b>Total Hours (P4 year)</b>               |                |
|                                                              |                 |                |                                                               | <b>(Total Hours including PrePharmacy)</b> |                |
|                                                              |                 |                |                                                               | <b>37</b>                                  |                |
|                                                              |                 |                |                                                               | <b>(214)</b>                               |                |

\*Typically, electives range from 1 to 3 credit hours. One must complete 8 hours of electives by the end of the third year.

- Minimum 300 hours of Introductory Practice Experiential Experience (IPPE) (as required by ACPE) will be satisfied by **two** 4-credit (one month) externships in the summers of the P1 and P2 years.
- Minimum 1440 hours of Advanced Practice Experiential Experience (APPE) (as required by ACPE) will be satisfied by **nine** 4-credit (one month) clerkships in the P4 year. Rotations include: 2 x acute care rotations (critical care, pediatrics, psychiatry, general medicine, internal medicine, cardiology, neurology, nephrology, transplantation, etc), 1 x ambulatory care, 1 x health care team (e.g. drug information, poison center, long-term care/assisted living, a second ambulatory care, a third acute care, and others), 1 x community pharmacy, 1 x hospital pharmacy, and 3 electives.
- One 1-credit Clinical Seminar/Grand Rounds (SCCP 999) will be required during the P4 year.
- Clinical Applications I-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 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.

## Course Descriptions

|   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|---|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ● | <b>SCCP 600: Integrated Physiology-Pathophysiology I</b><br>The study of integrative regulatory mechanisms responsible for maintenance of homeostasis in the normal human and the alterations which occur in these mechanisms leading to specific disease processes. Understanding the mechanisms of disease is essential to the role of the professional pharmacist in determining the appropriate pharmacotherapeutic treatment of the patient. <u>Course Format:</u> 2 credit hours. Lecture format in 50-minute sessions. <u>Prerequisite:</u> first professional year standing.                                                                                                                                                                                                                                                                                                                                                                            |
| ● | <b>SCCP 601: Integrated Physiology-Pathophysiology II</b><br>The study of integrative regulatory mechanisms responsible for maintenance of homeostasis in the normal human and the alterations which occur in these mechanisms leading to specific disease processes. Understanding the mechanisms of disease is essential to the role of the professional pharmacist in determining the appropriate pharmacotherapeutic treatment of the patient. <u>Course Format:</u> 5 credit hours. Lecture format in 50-minute sessions. <u>Prerequisites:</u> SCCP 600; first professional year standing.                                                                                                                                                                                                                                                                                                                                                                |
| ● | <b>SCCP 602: Foundations of Pathophysiology and Pharmacology I</b><br>An introduction to the basic principles and concepts of physiology, pathophysiology, and pharmacology. Topics include cell membrane structure and function, receptors, signal transduction, neurotransmission, drug-receptor interactions, drug response variables, drug abuse and resistance, and pharmacogenetics. <u>Course Format:</u> 2 credit hours. Lecture format in 50-minute sessions. <u>Prerequisites:</u> first year professional standing.                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| ● | <b>SCCP 603: Foundations of Pathophysiology and Pharmacology II</b><br>This is the second course in the series addressing the basic principles and concepts of physiology, pathophysiology and pharmacology. Topics include: homeostatic control mechanisms of normal organ system physiology as well as concepts of organ system dysfunction leading to disease states; cellular adaptation, injury, and death; inflammation; biology of cancers; stress and disease; gene/environment interactions; aging and cell death; mitochondrial basis of disease. <u>Course Format:</u> 3 credit hours. Lecture format in 50-minute sessions. <u>Prerequisites:</u> SCCP 602 and first professional year standing.                                                                                                                                                                                                                                                    |
| ● | <b>SCCP 605: Pharmaceutics I</b><br>A study of the physicochemical principles of the formulation, preparation, properties, and performance of pharmaceutical dosage forms with an emphasis on aqueous and nonaqueous liquids, suspensions, emulsions, and compounding principles. <u>Course Format:</u> 3 credit hours. Lecture format in 75-min sessions. <u>Prerequisite:</u> first professional year standing.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| ● | <b>SCCP 606: Pharmaceutics II</b><br>A continuation of the study of physicochemical principles in the formulation, preparation, properties, and performance of pharmaceutical dosage forms, with an emphasis on solid, unit oral dosage forms; sustained and controlled delivery; and rectal, parenteral, and biological delivery systems. <u>Course Format:</u> 3 credit hours. Lecture format in 75-min sessions. <u>Prerequisites:</u> SCCP 605; first professional year standing.                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| ● | <b>SCCP 607: Dosage Forms and Drug Delivery Systems</b><br>A study of the physicochemical principles of the formulation, preparation, properties, and performance of the pharmaceutical dosage forms including: aqueous and nonaqueous liquids, suspensions, emulsions, solid unit oral dosage forms, sustained and controlled delivery preparations as well as rectal, parenteral, and biological delivery systems. Clinical application of the various dosage forms in patient care will be discussed. <u>Course Format:</u> 4 credit hours. Lecture format in 50-minute sessions. <u>Prerequisites:</u> first professional year standing.                                                                                                                                                                                                                                                                                                                    |
| ● | <b>SCCP 610: Microbiology/Immunology</b><br>Introduction to pathogenic organisms and the role of immunology in human disease. <u>Course Format:</u> 4 credit hours. Lecture format in 50-minute sessions. <u>Prerequisite:</u> first professional year standing.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| ● | <b>SCCP 615: Pharmaceutical Biochemistry</b><br>First semester of two in a sequence of Biochemistry and Biotechnology. The course covers the molecular basis of human biology and physiology. <u>Course Format:</u> 3 credit hours. Lecture format in 50-minute sessions. <u>Prerequisite:</u> first professional year standing.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| ● | <b>SCCP 616: Pharmaceutical Biotechnology</b><br>The course focuses on nucleic acids (DNA/RNA) as the core theme. This includes the eukaryotic cell cycle, meiosis, replication, transcription, translation, and repair. Recombinant DNA technology is covered as applied to the study of human health and production of biopharmaceuticals. Antibodies are covered from the perspective of their use in diagnostic tests, as well as the utilization of antibodies as therapeutics. Lastly, the concepts and applications of gene therapy and RNA silencing are taught. The course objectives directly relate to guidelines from the South Carolina College of Pharmacy and the American Council on Pharmaceutical Education covering the topics of biochemistry, molecular biology, biotechnology and genetics. <u>Course Format:</u> 2 credit hours. Lecture format in 50-minute sessions. <u>Prerequisites:</u> SCCP 615; first professional year standing. |
| ● | <b>SCCP 620: Introduction to Pharmacology and Medicinal Chemistry</b><br>An introduction to the basic principles and concepts of medicinal chemistry and pharmacology including the relationship of molecular structure to drug absorption, distribution, metabolism, excretion, and receptor interactions; receptor organization and function, signal transduction, drug response variables, drug evaluation, and drug discovery. <u>Course Format:</u> 3 credit hours. Lecture format in 50-minute sessions. <u>Prerequisite:</u> first professional year standing.                                                                                                                                                                                                                                                                                                                                                                                           |
| ● | <b>SCCP 621: Pharmaceutical Chemistry and Pharmacogenomics I</b><br>The first section of this course includes an introduction to the basic principles and concepts of pharmaceutical chemistry and pharmacogenomics including the relationships of molecular structure to drug absorption, distribution, metabolism and excretion. The second section of this course discusses the molecular basis for pharmacotherapy with emphasis on drugs acting on the autonomic nervous system. The chemical rationale for drug therapeutic actions and side effects as well as the pharmacogenomics basis for individualized drug therapy is discussed. <u>Course Format:</u> 3 credit hours. Lecture format in 50-minute sessions. <u>Prerequisites:</u> first professional year standing.                                                                                                                                                                              |
| ● | <b>SCCP 622: Foundations of Pharmaceutical Chemistry &amp; Pharmacogenomics II</b><br>This is the second course in the series addressing the pharmaceutical chemistry and pharmacogenomics of drugs with specific discussion of the molecular basis for their pharmacotherapeutic use. The following classes of agents will be covered: CNS acting drugs; narcotic and non-narcotic analgesics; gastrointestinal agents; drugs used in the treatment of cardiovascular and endocrine disorders; dermatologic products; anti-cancer and anti-microbial agents. The chemical rationale for drug therapeutic actions and side effects as well as the pharmacogenomic basis for individualized drug therapy of each is discussed. <u>Course Format:</u> 4 credit hours. Lecture format in 50-minute sessions. <u>Prerequisites:</u> SCCP 621 and first professional year standing.                                                                                  |
| ● | <b>SCCP 650: Introduction to Pharmacy Practice</b><br>Introduction to the professional issues relevant to the practice of pharmacy. <u>Course Format:</u> 2 credit hours. Lecture format in 50-minute sessions. <u>Prerequisite:</u> first professional year standing.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| ● | <b>SCCP 655: Pharmacy Calculations and Medical Terminology</b><br>Principles of pharmacy mathematics and medical terminology relevant to the pharmacy practice environment. <u>Course Format:</u> 1 credit hour. Recitation format in two-hour session. <u>Prerequisite:</u> first professional year standing.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| ● | <b>SCCP 660: Clinical Applications I</b><br>Case-based discussions that integrate and demonstrate applicability of other course material. <u>Course Format:</u> 1 credit hour. Recitation format in two-hour session. <u>Prerequisite:</u> first professional year standing.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| ● | <b>SCCP 661: Clinical Applications II</b><br>Case-based discussions that integrate and demonstrate applicability of other course material. <u>Course Format:</u> 1 credit hour. Recitation format in two-hour session. <u>Prerequisite:</u> first professional year standing.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |

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| ● | <b>SCCP 670: Pharmacy Skill Lab II: Introduction to Community Pharmacy</b><br>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. <u>Course Format:</u> 1 credit hour. Laboratory format in three-hour session. <u>Prerequisite:</u> first professional year standing.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| ● | <b>SCCP 671: Pharmacy Skills Lab I: Compounding and Applied Pharmaceutics</b><br>The art, science, and technology of pharmacy compounding. <u>Course Format:</u> 1 credit hour. Laboratory format in three-hour session. <u>Prerequisite:</u> first professional year standing.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| ● | <b>SCCP 680: Introduction to Drug Information</b><br>Basic principles of access and utilization of drug information resources. <u>Course Format:</u> 1 credit hour. Lecture format in 50-minute session. <u>Prerequisite:</u> first professional year standing.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| ● | <b>SCCP 690 (IP 710): Transforming Healthcare</b><br>The course goal is to lay the foundations for beginning (first year) 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. This course addresses the university's Quality Enhancement Plan (QEP) goals #2 (e.g., students learn more about the other professions) and #3 (e.g., students apply interprofessional teamwork competencies in a learning setting) and will provide a mechanism to evaluate student learning outcomes associated with each goal. <u>Course Format:</u> 2 credit hours. Taught separately at each campus using a variety of teaching mechanisms. <u>Prerequisite:</u> first professional year standing. |
| ● | <b>SCCP 699: Introductory Community Practice Pharmacy Experience</b><br>Introduction to the practice of the pharmacy in the community pharmacy setting. Forty hours of directed experience per week for four weeks. <u>Course Format:</u> 4 credit hours. Practice experience of 4 weeks, 40 hours per week. <u>Prerequisite:</u> first professional year standing. Pass/Fail                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| ● | <b>SCCP 710: Biopharmaceutics and Pharmacokinetics</b><br>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. <u>Course Format:</u> 3 credit hours. Lecture format in three 50-minute sessions. <u>Prerequisite:</u> SCCP 606; second professional year standing.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| ● | <b>SCCP 720: Pharmacology II</b><br>Mechanism and site of action(s), prototypic examples, and therapeutic applications of cholinergic agents; neuromuscular blockers; adrenergic agents; local anesthetics; cardiovascular agents; diuretics; hypolipidemic agents, antithrombotic, anticoagulant, and thrombolytic drugs, agents for respiratory tract disorders and antihistamines, and Ca <sup>++</sup> /endocrine hormones. <u>Course Format:</u> 3 credit hours. Lecture format in 50-minute sessions. <u>Prerequisites:</u> SCCP 620; second professional year standing.                                                                                                                                                                                                                                                                                                                                                                                                                             |
| ● | <b>SCCP 721: Pharmacology III</b><br>Mechanism of action, biological effects, and therapeutic applications of CNS-acting agents, anti-inflammatory agents, immunomodulating agents, agents for gastrointestinal tract disease, hormonal agents, antimicrobial agents, and cancer chemotherapy. <u>Course Format:</u> 3 credit hours. Lecture format in 50-minute sessions. <u>Prerequisites:</u> SCCP 720; second professional year standing.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| ● | <b>SCCP 722: Pathophysiology/Pharmacologic Basis of Therapeutics I</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| ● | <b>SCCP 723: Pathophysiology/Pharmacologic Basis of Therapeutics II</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| ● | <b>SCCP 725: Medicinal Chemistry II</b><br>The first course in a two-semester sequence describing the molecular basis for pharmacotherapy; a complementary course to Pharmacology II, including autonomic nervous system, cardiovascular and CNS agents with emphasis on the chemical rationale for drug therapeutic actions and side effects with the pharmacogenomic basis for individualized drug therapy. <u>Course Format:</u> 3 credit hours. Lecture format in 50-minute sessions. <u>Prerequisites:</u> SCCP 620; second professional year standing.                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| ● | <b>SCCP 726: Medicinal Chemistry III</b><br>The second course in a two-semester sequence describing the molecular basis for pharmacotherapy; a complementary course to Pharmacology III, including CNS agents, agents acting on localized hormonal (autacoidal) pathways, agents acting on hormonal pathways, and antimicrobial, antineoplastic, and antiviral agents, with an emphasis on the chemical rationale for drug therapeutic actions and side effects with the Pharmacogenomics basis for individualized drug therapy. <u>Course Format:</u> 3 credit hours. Lecture format in 50-minute sessions. <u>Prerequisites:</u> SCCP 725; second professional year standing.                                                                                                                                                                                                                                                                                                                            |
| ● | <b>SCCP 750: Self-Care and Complementary Medicines</b><br>A review of indications, contraindications, and cautions involved with the recommendation and dispensing of nonprescription (OTC) drug items and complementary medicines. <u>Course Format:</u> 4 credit hours. Lecture format in 50-minute sessions. <u>Prerequisite:</u> second professional year standing.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| ● | <b>SCCP 760: Clinical Applications III</b><br>Case-based discussions that integrate and demonstrate applicability of other course material in patient care. <u>Course Format:</u> 1 credit hour. Recitation format in 2-hour session. <u>Prerequisite:</u> second professional year standing.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| ● | <b>SCCP 761: Clinical Applications IV</b><br>Case-based discussions that integrate and demonstrate applicability of other course material in patient care. <u>Course Format:</u> 1 credit hour. Recitation format in 2-hour session. <u>Prerequisite:</u> second professional year standing.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| ● | <b>SCCP 770: Pharmacotherapy I</b><br>Builds upon the prerequisites of the basic sciences, particularly anatomy, physiology, pathophysiology, pharmacology, microbiology, medical terminology, and pharmacokinetics. Provides an organ-based approach to pharmaceutical care and disease management. Second professional year 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 solving patient problems. Pharmacotherapy I covers the following areas: fluid and electrolyte management, nutrition and cardiology. <u>Course Format:</u> 4 credit hours. Lecture format in 50-minute sessions. <u>Prerequisite:</u> second professional year standing.                                                                                                                                                                                   |
| ● | <b>SCCP 771: Pharmacy Skills Lab V: Applied Community Pharmacy</b><br>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 nonprescription drug information. <u>Course Format:</u> 1 credit hour. Laboratory format in 3-hour session. <u>Prerequisites:</u> SCCP 670; third professional year standing.                                                                                                                                                                                                                                                                                                                                                                                                 |
| ● | <b>SCCP 780: Outcomes Design and Assessment</b><br>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. <u>Course Format:</u> 3 credit hours. Lecture format in 50-minute session. <u>Prerequisite:</u> second professional year standing.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| ● | <b>SCCP 790: Pharmacy Skills Lab III: Introduction to Health-Systems Pharmacy</b><br>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). <u>Course Format:</u> 1 credit hour. Laboratory format in 3-hour session. <u>Prerequisite:</u> Second professional year standing.                                                                                                                                                                                                                                                                                            |

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| ● | <b>SCCP 791: Pharmacy Skills Lab IV: Applied Health-Systems Pharmacy</b><br>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. This lab focuses on the understanding of clinical nutrition support, chemotherapy, anesthesia, pain management, controlled substances, and crash carts, as well as interpretation and preparation of such medical orders. Students must successfully complete media fill IV preparation. <u>Course Format:</u> 1 credit hour. Laboratory format in 3-hour session. <u>Prerequisites:</u> SCCP 790; Second professional year standing.                                                                                                                                                                                                 |
| ● | <b>SCCP 798: Introductory Institutional Practice Pharmacy Experience</b><br>Introduction to the practice of the pharmacy in the institutional setting. Forty hours of directed experience per week for four weeks. <u>Course Format:</u> 4 credit hours. Practice experience of 4 weeks, 40 hours per week. <u>Prerequisite:</u> Second professional year standing. Pass/Fail                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| ● | <b>SCCP 822: Pathophysiology/Pharmacologic Basis of Therapeutics III</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| ● | <b>SCCP 823: Pathophysiology/Pharmacologic Basis of Therapeutics IV</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| ● | <b>SCCP 850: Health Care Systems and Management</b><br>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. <u>Course Format:</u> 4 credit hours. Lecture format in 50-minute sessions. <u>Prerequisite:</u> Third professional year standing.                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| ● | <b>SCCP 860: Clinical Applications V</b><br>Case-based discussions that integrate and demonstrate applicability of other course material in patient care. <u>Course Format:</u> 1 credit hour. Recitation format in 2-hour session. <u>Prerequisite:</u> Third professional year standing.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| ● | <b>SCCP 861: Clinical Applications VI</b><br>A capstone course, where case studies of complex patients will bring together concepts learned throughout the previous semesters in the professional program. <u>Course Format:</u> 1 credit hour. Recitation format in 2-hour session. <u>Prerequisite:</u> Third professional year standing.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| ● | <b>SCCP 870: Pharmacotherapy II</b><br>Builds upon the prerequisites of the basic sciences, particularly anatomy, physiology, pathophysiology, pharmacology, microbiology, medical terminology, and pharmacokinetics, as well as Pharmacotherapy I. Provides an organ-based approach to pharmaceutical care and disease management. Third professional year 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 solving patient problems. Pharmacotherapy II covers the following areas: infectious disease, women's health, pulmonary diseases, endocrinology, and rheumatic disorders. <u>Course Format:</u> 5 credit hours. Lecture format in 50-minute sessions. <u>Prerequisite:</u> Third professional year standing. Distance Education. Spring semester.    |
| ● | <b>SCCP 871 Pharmacotherapy III</b><br>Builds upon the prerequisites of basic sciences, particularly anatomy, physiology, pathophysiology, pharmacology, microbiology, medical terminology, and pharmacokinetics, as well as Pharmacotherapy I and II. Provides an organ-based approach to pharmaceutical care and disease management. Third professional year students will learn about disease prevention and health promotion, as well as drug and non-drug therapy of acute and chronic diseases in both hospitalized and ambulatory patients. Emphasis is placed on solving patient problems. Pharmacotherapy III covers the following areas: neurology, psychiatry, and geriatrics. <u>Course Format:</u> 3 credit hours. Lecture format in 50-minute sessions. <u>Prerequisite:</u> third professional year standing. Distance Education. Spring semester.                                                                  |
| ● | <b>SCCP 872: Pharmacotherapy IV</b><br>Builds upon the prerequisites of basic sciences, particularly anatomy, physiology, pathophysiology, pharmacology, microbiology, medical terminology, and pharmacokinetics, as well as Pharmacotherapy I, II, and III. Provides an organ-based approach to pharmaceutical care and disease management. Third professional year students will learn about disease prevention and health promotion, as well as drug and non-drug therapy of acute and chronic diseases in both hospitalized and ambulatory patients. Emphasis is placed on solving patient problems. Pharmacotherapy IV covers the following areas: gastrointestinal diseases, oncology, pediatrics and toxicology. <u>Course Format:</u> 4 credit hours. Lecture format in 50-minute sessions. <u>Prerequisite:</u> Third professional year standing. Spring Semester.                                                        |
| ● | <b>SCCP 880: Advanced Drug Information</b><br>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. <u>Course Format:</u> 2 credit hours. Lecture format in 50-minute sessions. <u>Prerequisites:</u> SCCP 680; third professional year standing.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| ● | <b>SCCP 885: Pharmacy Law and Ethics</b><br>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. <u>Course Format:</u> 3 credit hours. Lecture format in two 50-minute sessions; recitation format in 2-hour session. <u>Prerequisite:</u> third professional year standing.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| ● | <b>SCCP 890: Clinical Pharmacokinetics</b><br>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. <u>Course Format:</u> 3 credit hours. Lecture format in 50-minute sessions. <u>Prerequisites:</u> SCCP 710; third professional year standing.                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| ● | <b>SCCP 895: Clinical Assessment</b><br>Development of clinical assessment skills necessary in the provision of pharmaceutical care to patients with a variety of disease states. <u>Course Format:</u> 3 credit hours. Lecture format in two 50-minute sessions; laboratory format in 3-hour session. <u>Prerequisite:</u> third professional year standing.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| ● | <b>SCCP 900: Academic Pharmacy Practice Experience I</b><br>This advanced pharmacy practice experience (APPE) provides the student with hands-on exposure to multiple facets of academia including teaching, scholarship, service to the profession, and clinical practice. <u>Course Format:</u> 4 credit hours; four weeks of supervised advanced pharmacy practice for at least 40 hours per week. <u>Prerequisite:</u> Fourth professional year standing.                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| ● | <b>SCCP 901: Acute Care Pharmacy Practice Experience</b><br>This advanced pharmacy practice experience (APPE) provides clinical pharmacy activity on a variety of adult medicine inpatient services. 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. <u>Course Format:</u> 4 credit hours; four weeks of supervised advanced pharmacy practice for at least 40 hours per week. <u>Prerequisite:</u> Fourth professional year standing. |
| ● | <b>SCCP 902: Acute Care Pharmacy Practice Experience II</b><br>This advanced pharmacy practice experience (APPE) provides clinical pharmacy activity on a variety of adult medicine inpatient services. 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. <u>Course Format:</u> 4 credit hours; four weeks of supervised advanced pharmacy practice for at least 40 hours per week. <u>Prerequisite:</u> Fourth professional year standing.                                                                                                                                                                                                                                                                                                                                           |

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| ● | <b>SCCP 903: Acute Care Pharmacy Practice Experience III</b><br>This advanced pharmacy practice experience (APPE) provides clinical pharmacy activity on a variety of adult medicine inpatient services. 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. <u>Course Format:</u> 4 credit hours; four weeks of supervised advanced pharmacy practice for at least 40 hours per week. <u>Prerequisite:</u> Fourth professional year standing.                                                                                                                                                                                                 |
| ● | <b>SCCP 904: Acute Care Pharmacy Practice Experience IV</b><br>This advanced pharmacy practice experience (APPE) provides clinical pharmacy activity on a variety of adult medicine inpatient services. 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. <u>Course Format:</u> 4 credit hours; four weeks of supervised advanced pharmacy practice for at least 40 hours per week. <u>Prerequisite:</u> Fourth professional year standing.                                                                                                                                                                                                  |
| ● | <b>SCCP 905: Acute Care Pharmacy Practice Experience V</b><br>This advanced pharmacy practice experience (APPE) provides clinical pharmacy activity on a variety of adult medicine inpatient services. 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. <u>Course Format:</u> 4 credit hours; four weeks of supervised advanced pharmacy practice for at least 40 hours per week. <u>Prerequisite:</u> Fourth professional year standing.                                                                                                                                                                                                   |
| ● | <b>SCCP 906: Acute Care Pediatrics Pharmacy Practice Experience I</b><br>This advanced pharmacy practice experience (APPE) provides clinical pharmacy activity on a variety of pediatric inpatient services. 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 progress. <u>Course Format:</u> 4 credit hours; four weeks of supervised advanced pharmacy practice for at least 40 hours per week. <u>Prerequisite:</u> Fourth professional year standing.                                                                                                                                                                                            |
| ● | <b>SCCP 907: Acute Care Pediatrics Pharmacy Practice Experience II</b><br>This advanced pharmacy practice experience (APPE) provides clinical pharmacy activity on a variety of pediatric inpatient services. 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 progress. <u>Course Format:</u> 4 credit hours; four weeks of supervised advanced pharmacy practice for at least 40 hours per week. <u>Prerequisite:</u> Fourth professional year standing.                                                                                                                                                                                           |
| ● | <b>SCCP 908: Acute Care Pediatrics Pharmacy Practice Experience III</b><br>This advanced pharmacy practice experience (APPE) provides clinical pharmacy activity on a variety of pediatric inpatient services. 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 progress. <u>Course Format:</u> 4 credit hours; four weeks of supervised advanced pharmacy practice for at least 40 hours per week. <u>Prerequisite:</u> Fourth professional year standing.                                                                                                                                                                                          |
| ● | <b>SCCP 909: Administrative Pharmacy Practice Experience</b><br>This advanced pharmacy practice experience (APPE) focuses on pharmacy administration. The student is introduced to the role that the pharmacy manager plays in directing the clinical and/or operational aspects of the APPE site. Student activities include reviewing pertinent literature, participation in management discussions, and working on assigned projects. <u>Course Format:</u> 4 credit hours; four weeks of supervised advanced pharmacy practice for at least 40 hours per week. <u>Prerequisite:</u> Fourth professional year standing.                                                                                                                                                                |
| ● | <b>SCCP 910: Advanced Community Pharmacy Practice I</b><br>This required advanced pharmacy practice experience (APPE) builds upon the introductory pharmacy practice experience in community pharmacy practice. This APPE provides pharmacy practice experience in a variety of community pharmacy settings. The emphasis is placed on patient counseling, other patient care activities, and/or compounding. <u>Course Format:</u> 4 credit hours; four weeks of supervised advanced pharmacy practice for at least 40 hours per week. <u>Prerequisite:</u> Fourth professional year standing.                                                                                                                                                                                           |
| ● | <b>SCCP 911: Advanced Community Pharmacy Practice II</b><br>This additional advanced pharmacy practice experience (APPE) in community pharmacy practice occurs in a variety of community pharmacy settings. This APPE further enhances the student's skills in patient counseling, other patient care activities, and/or compounding. <u>Course Format:</u> 4 credit hours; four weeks of supervised advanced pharmacy practice for at least 40 hours per week. <u>Prerequisite:</u> Fourth professional year standing.                                                                                                                                                                                                                                                                   |
| ● | <b>SCCP 912: Advanced Community Pharmacy Practice III</b><br>This additional advanced pharmacy practice experience (APPE) in community pharmacy practice occurs in a variety of community pharmacy settings. This APPE further enhances the student's skills in patient counseling, other patient care activities, and/or compounding. <u>Course Format:</u> 4 credit hours; four weeks of supervised advanced pharmacy practice for at least 40 hours per week. <u>Prerequisite:</u> Fourth professional year standing.                                                                                                                                                                                                                                                                  |
| ● | <b>SCCP 913: Advanced Community Pharmacy Practice IV</b><br>This additional advanced pharmacy practice experience (APPE) in community pharmacy practice occurs in a variety of community pharmacy settings. This APPE further enhances the student's skills in patient counseling, other patient care activities, and/or compounding. <u>Course Format:</u> 4 credit hours; four weeks of supervised advanced pharmacy practice for at least 40 hours per week. <u>Prerequisite:</u> Fourth professional year standing.                                                                                                                                                                                                                                                                   |
| ● | <b>SCCP 915: Advanced Institutional Pharmacy Practice Experience I</b><br>A required advanced pharmacy practice experience (APPE) gained in an institutional setting that builds on the introductory institutional pharmacy practice experience in regulatory, human resources, patient care, and technology issues, as well as drug distribution. <u>Course Format:</u> 4 credit hours; four weeks of supervised advanced pharmacy practice for at least 40 hours per week. <u>Prerequisite:</u> Fourth professional year standing.                                                                                                                                                                                                                                                      |
| ● | <b>SCCP 916: Advanced Institutional Pharmacy Practice Experience II</b><br>A required advanced pharmacy practice experience (APPE) gained in an institutional setting that builds on the introductory institutional pharmacy practice experience in regulatory, human resources, patient care, and technology issues, as well as drug distribution. <u>Course Format:</u> 4 credit hours; four weeks of supervised advanced pharmacy practice for at least 40 hours per week. <u>Prerequisite:</u> Fourth professional year standing.                                                                                                                                                                                                                                                     |
| ● | <b>SCCP 917: Advanced Institutional Pharmacy Practice Experience III</b><br>A required advanced pharmacy practice experience (APPE) gained in an institutional setting that builds on the introductory institutional pharmacy practice experience in regulatory, human resources, patient care, and technology issues, as well as drug distribution. <u>Course Format:</u> 4 credit hours; four weeks of supervised advanced pharmacy practice for at least 40 hours per week. <u>Prerequisite:</u> Fourth professional year standing.                                                                                                                                                                                                                                                    |
| ● | <b>SCCP 919: Acute Care Pharmacy Practice Experience VI</b><br>This advanced pharmacy practice experience (APPE) provides clinical pharmacy activity on a variety of adult medicine inpatient services. 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. <u>Course Format:</u> 4 credit hours; four weeks of supervised advanced pharmacy practice for at least 40 hours per week. <u>Prerequisite:</u> Fourth professional year standing.                                                                                                                                                                                                  |
| ● | <b>SCCP 920: Ambulatory Care Pharmacy Practice Experience I</b><br>This required advanced pharmacy practice experience (APPE) involves the student in the daily provision of clinical pharmacy student services in the ambulatory care setting. Responsibilities include providing drug therapy for disease states commonly encountered in the outpatient setting, providing drug regimen reviews, 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. <u>Course Format:</u> 4 credit hours; four weeks of supervised advanced pharmacy practice for at least 40 hours per week. <u>Prerequisite:</u> Fourth professional year standing. |

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| ● | <p><b>SCCP 921: Ambulatory Care Pharmacy Practice Experience II</b></p> <p>This additional advanced pharmacy practice experience (APPE) in ambulatory care also involves the student in the daily provision of clinical pharmacy student services in the ambulatory care setting. Responsibilities included providing drug therapy for disease states commonly encountered in the outpatient setting, providing drug regimen reviews, 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. <u>Course Format:</u> 4 credit hours; four weeks of supervised advanced pharmacy practice for at least 40 hours per week. <u>Prerequisite:</u> Fourth professional year standing.</p>  |
| ● | <p><b>SCCP 922: Ambulatory Care Pharmacy Practice Experience III</b></p> <p>This additional advanced pharmacy practice experience (APPE) in ambulatory care also involves the student in the daily provision of clinical pharmacy student services in the ambulatory care setting. Responsibilities included providing drug therapy for disease states commonly encountered in the outpatient setting, providing drug regimen reviews, 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. <u>Course Format:</u> 4 credit hours; four weeks of supervised advanced pharmacy practice for at least 40 hours per week. <u>Prerequisite:</u> Fourth professional year standing.</p> |
| ● | <p><b>SCCP 923: Ambulatory Care Pharmacy Practice Experience IV</b></p> <p>This additional advanced pharmacy practice experience (APPE) in ambulatory care also involves the student in the daily provision of clinical pharmacy student services in the ambulatory care setting. Responsibilities included providing drug therapy for disease states commonly encountered in the outpatient setting, providing drug regimen reviews, 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. <u>Course Format:</u> 4 credit hours; four weeks of supervised advanced pharmacy practice for at least 40 hours per week. <u>Prerequisite:</u> Fourth professional year standing.</p>  |
| ● | <p><b>SCCP 925: Medication Use Policy &amp; Informatics I</b></p> <p>This advanced pharmacy practice experience (APPE) focuses in the areas of drug information practice, informatics, and outcomes management. During this APPE, students will be exposed to each of these areas. Students may elect to complete this rotation at an extramural site such as a pharmaceutical industry information center, with faculty approval. <u>Course Format:</u> 4 credit hours; four weeks of supervised advanced pharmacy practice for at least 40 hours per week. <u>Prerequisite:</u> Fourth professional year standing.</p>                                                                                                                                                                                                          |
| ● | <p><b>SCCP 926: Poison Control Pharmacy Practice Experience</b></p> <p>This advanced pharmacy practice experience (APPE) focuses on providing drug information in the Palmetto Poison Center. Students may elect to complete this rotation at an extramural site, with faculty approval. <u>Course Format:</u> 4 credit hours; four weeks of supervised advanced pharmacy practice for at least 40 hours per week. <u>Prerequisite:</u> Fourth professional year standing.</p>                                                                                                                                                                                                                                                                                                                                                    |
| ● | <p><b>SCCP 927: Medication Use Policy &amp; Informatics II</b></p> <p>This additional advanced pharmacy practice experience (APPE) focuses in the areas of drug information practice, informatics, and outcomes management. During this APPE, students will be exposed to each of these areas. Students may elect to complete this rotation at an extramural site such as a pharmaceutical industry information center, with faculty approval. <u>Course Format:</u> 4 credit hours; four weeks of supervised advanced pharmacy practice for at least 40 hours per week. <u>Prerequisite:</u> Fourth professional year standing.</p>                                                                                                                                                                                              |
| ● | <p><b>SCCP 930: Investigational Pharmacy Practice Experience</b></p> <p>This advanced pharmacy practice experience (APPE) allows the student to assist in the activities of a pharmacy-related investigational drug service. The student will actively participate in the various functions of an investigational drug service including writing pharmacy protocols, dispensing investigational drugs, attending clinical study "startup" meetings, developing study budgets, and attending institutional review board meetings. <u>Course Format:</u> 4 credit hours; four weeks of supervised advanced pharmacy practice for at least 40 hours per week. <u>Prerequisite:</u> Fourth professional year standing.</p>                                                                                                            |
| ● | <p><b>SCCP 932: Administrative Pharmacy Practice Experience II</b></p> <p>This additional advanced pharmacy practice experience (APPE) focuses on pharmacy administration. The student is introduced to the role that the pharmacy manager plays in directing the clinical and/or operational aspects of the APPE site. Student activities include reviewing pertinent literature, participation in management discussions, and working on assigned projects. <u>Course Format:</u> 4 credit hours; four weeks of supervised advanced pharmacy practice for at least 40 hours per week. <u>Prerequisite:</u> Fourth professional year standing.</p>                                                                                                                                                                               |
| ● | <p><b>SCCP 940: Long Term Care Pharmacy Practice Experience I</b></p> <p>This advanced pharmacy practice experience (APPE) allows the student to participate in daily chart reviews assessing pharmacotherapeutic plans for appropriateness and adherence to state and federal regulations. The student is exposed to a variety of disease states and medical conditions which pertain to elderly patients. Skills are developed in monitoring drug therapy, patient outcomes, quality of life, and adverse effects in the elderly population. <u>Course Format:</u> 4 credit hours; four weeks of supervised advanced pharmacy practice for at least 40 hours per week. <u>Prerequisite:</u> Fourth professional year standing.</p>                                                                                              |
| ● | <p><b>SCCP 941: Long Term Care Pharmacy Practice Experience II</b></p> <p>This advanced pharmacy practice experience (APPE) allows the student to participate in daily chart reviews assessing pharmacotherapeutic plans for appropriateness and adherence to state and federal regulations. The student is exposed to a variety of disease states and medical conditions which pertain to elderly patients. Skills are developed in monitoring drug therapy, patient outcomes, quality of life, and adverse effects in the elderly population. <u>Course Format:</u> 4 credit hours; four weeks of supervised advanced pharmacy practice for at least 40 hours per week. <u>Prerequisite:</u> Fourth professional year standing.</p>                                                                                             |
| ● | <p><b>SCCP 944: Academic Pharmacy Practice Experience II</b></p> <p>This advanced pharmacy practice experience (APPE) provides the student with hands-on exposure to multiple facets of academia including teaching, scholarship, service to the profession, and clinical practice. <u>Course format:</u> 4 credit hours; four weeks of supervised advanced pharmacy practice for at least 40 hours per week. <u>Prerequisite:</u> Fourth professional year standing.</p>                                                                                                                                                                                                                                                                                                                                                         |
| ● | <p><b>SCCP 945: Nuclear Pharmacy Practice Experience I</b></p> <p>This advanced pharmacy practice experience (APPE) provides the student with a supervised, clinical experience in nuclear pharmacy with an emphasis on learning to be an "Authorized Nuclear Pharmacist" and participating in patient management as a member of the nuclear medicine team. The emphasis is placed on regulatory issues, technology issues, distribution issues and the specialized skills utilized in a nuclear pharmacy. <u>Course Format:</u> 4 credit hours; four weeks of supervised advanced pharmacy practice for at least 40 hours per week. <u>Prerequisite:</u> Fourth professional year standing, and participating in the nuclear pharmacy tract or permission from the faculty.</p>                                                  |
| ● | <p><b>SCCP 946: Nuclear Pharmacy Practice Experience II</b></p> <p>This advanced pharmacy practice experience (APPE) provides the student with a supervised, clinical experience in nuclear pharmacy with an emphasis on learning to be an "Authorized Nuclear Pharmacist" and participating in patient management as a member of the nuclear medicine team. The emphasis is placed on regulatory issues, technology issues, distribution issues and the specialized skills utilized in a nuclear pharmacy. <u>Course Format:</u> 4 credit hours; four weeks of supervised advanced pharmacy practice for at least 40 hours per week. <u>Prerequisite:</u> Fourth professional year standing, and participating in the nuclear pharmacy tract or permission from the faculty.</p>                                                 |
| ● | <p><b>SCCP 947: Nuclear Pharmacy Practice Experience III</b></p> <p>This advanced pharmacy practice experience (APPE) provides the student with a supervised, clinical experience in nuclear pharmacy with an emphasis on learning to be an "Authorized Nuclear Pharmacist" and participating in patient management as a member of the nuclear medicine team. The emphasis is placed on regulatory issues, technology issues, distribution issues and the specialized skills utilized in a nuclear pharmacy. <u>Course Format:</u> 4 credit hours; four weeks of supervised advanced pharmacy practice for at least 40 hours per week. <u>Prerequisite:</u> Fourth professional year standing, and participating in the nuclear pharmacy tract or permission from the faculty.</p>                                                |

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| ● | <b>SCCP 950: Research Pharmacy Practice Experience I</b><br>This advanced pharmacy practice experience (APPE) allows the student to gain additional research experience in focused areas achievable during a one-month rotation. Research experiences include statistical applications, pharmacokinetic computer modeling, analytical laboratory experience, scientific writing, patient assessments, etc. <u>Course Format:</u> 4 credit hours; four weeks of supervised advanced pharmacy practice for at least 40 hours per week. <u>Prerequisite:</u> Fourth professional year standing.                                                                                                                         |
| ● | <b>SCCP 951: Research Pharmacy Practice Experience II</b><br>This advanced pharmacy practice experience (APPE) allows the student to gain additional research experience in focused areas achievable during a one-month rotation. Research experiences include statistical applications, pharmacokinetic computer modeling, analytical laboratory experience, scientific writing, patient assessments, etc. <u>Course Format:</u> 4 credit hours; four weeks of supervised advanced pharmacy practice for at least 40 hours per week. <u>Prerequisite:</u> Fourth professional year standing.                                                                                                                        |
| ● | <b>SCCP 952: Research Pharmacy Practice Experience III</b><br>This advanced pharmacy practice experience (APPE) allows the student to gain additional research experience in focused areas achievable during a one-month rotation. Research experiences include statistical applications, pharmacokinetic computer modeling, analytical laboratory experience, scientific writing, patient assessments, etc. <u>Course Format:</u> 4 credit hours; four weeks of supervised advanced pharmacy practice for at least 40 hours per week. <u>Prerequisite:</u> Fourth professional year standing.                                                                                                                       |
| ● | <b>SCCP 960: Specialty Pharmacy Practice Experience I</b><br>This elective rotation allows the student to explore a specific area of interest that may or may not be a traditional career path in pharmacy under the supervision of a preceptor. Specialty areas will vary according to preceptor and site availability. Potential opportunities may include but are not limited to compounding, specialty independent pharmacy (veterinary practice), medical missions, pharmaceutical industry, or regulatory pharmacy (DHEC). <u>Course Format:</u> 4 credit hours; four weeks of supervised advanced pharmacy practice for at least 40 hours per week. <u>Prerequisite:</u> Fourth professional year standing.   |
| ● | <b>SCCP 961: Specialty Pharmacy Practice Experience II</b><br>This elective rotation allows the student to explore a specific area of interest that may or may not be a traditional career path in pharmacy under the supervision of a preceptor. Specialty areas will vary according to preceptor and site availability. Potential opportunities may include but are not limited to compounding, specialty independent pharmacy (veterinary practice), medical missions, pharmaceutical industry, or regulatory pharmacy (DHEC). <u>Course Format:</u> 4 credit hours; four weeks of supervised advanced pharmacy practice for at least 40 hours per week. <u>Prerequisite:</u> Fourth professional year standing.  |
| ● | <b>SCCP 962: Specialty Pharmacy Practice Experience III</b><br>This elective rotation allows the student to explore a specific area of interest that may or may not be a traditional career path in pharmacy under the supervision of a preceptor. Specialty areas will vary according to preceptor and site availability. Potential opportunities may include but are not limited to compounding, specialty independent pharmacy (veterinary practice), medical missions, pharmaceutical industry, or regulatory pharmacy (DHEC). <u>Course Format:</u> 4 credit hours; four weeks of supervised advanced pharmacy practice for at least 40 hours per week. <u>Prerequisite:</u> Fourth professional year standing. |
| ● | <b>SCCP 999: Grand Rounds</b><br>Regularly scheduled, formal, oral presentations with audiovisuals on controversial or new areas of pharmacotherapeutics, pharmacoconomics, pharmaceuticals, medicinal chemistry or pharmacy practice. A follow-up question and answer period examines the students ability to substantiate his/her conclusions. Content and presentation technique will be critiqued. <u>Course Format:</u> 1 credit hour; seminar presentations. <u>Prerequisite:</u> Fourth professional year standing.                                                                                                                                                                                           |

#### South Carolina College of Pharmacy Elective Course Descriptions

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

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| ● | <b>SCCP 715: Environmental Health and Toxicology</b><br>Environmental exposure to a myriad of natural and man-made substances is unavoidable. Exposure can occur through contact with food, air, and water that contain solvents, pesticides, smoke/soot, bacteria, fungi, viruses, medications, hormones, etc. This course will use specific examples of environmental toxicants, their routes and consequences of exposure, mechanisms of actions, and therapeutic strategies to prevent/minimize their toxicity. <u>Course Format:</u> 3 credit hours. Lecture format. <u>Prerequisite:</u> second or third professional year standing. <b>Distance Education. Fall semester.</b> |
| ● | <b>SCCP 716: Special Project, Dept. of Pharmaceutical &amp; Biomedical Sciences</b><br>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. <u>Course Format:</u> 1-4 credit hours. Independent study format. <u>Prerequisite:</u> second or third professional year standing. <b>Fall or Spring semester.</b>                                                                                                                                                                                                                                                  |
| ● | <b>SCCP 717: Cancer: Causes, Treatment, and Prevention</b><br>An overview of basic concepts in cancer epidemiology, genetics, and biology, and the therapeutic approaches utilized in the prevention and treatment of cancer. <u>Course Format:</u> 2 credit hours. Lecture format. <u>Prerequisite:</u> second or third professional year standing. <b>Distance Education. Fall semester.</b>                                                                                                                                                                                                                                                                                       |
| ● | <b>SCCP 755: History of Pharmacy</b><br>This course reviews the history of pharmacy from the pre-historic roots to the present. Special emphasis on South Carolina's pharmacy history, including evolution of education. Students will have access to historical artifacts and equipment. Three field trips to area museums and collections are included. <u>Course Format:</u> 2 credit hours. Lecture format. <u>Prerequisite:</u> second or third professional year standing. <b>Spring semester. Offered only on MUSC Campus.</b>                                                                                                                                                |
| ● | <b>SCCP 756: Clinical Immunology/Transplant</b><br>The course will build upon principles of immunology covered in microbiology/immunology (SCCP 610) to include monitoring the immune system, hypersensitivity reactions, and the principles of solid organ transplantation and role of a pharmacist in transplantation. <u>Course Format:</u> 2 credit hours. Lecture format. <u>Prerequisite:</u> second or third professional year standing. <b>Distance Education. Fall semester.</b>                                                                                                                                                                                            |
| ● | <b>SCCP 757: Special Project, Dept. of Pharmacy and Outcome Sciences</b><br>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. <u>Course Format:</u> 1-4 credit hours. Independent study format. <u>Prerequisite:</u> second or third professional year standing. <b>Fall or Spring semester.</b>                                                                                                                                                                                                                                                             |
| ● | <b>SCCP 758: Health Systems Pharmacy: Policy and Practice</b><br>An overview of the provision of pharmacy services in various health systems is provided. Approaches to organizational structure, pharmacy services, pharmacist practice roles are reviewed. Selected concepts of personnel management associated with pharmacists and technical personnel. <u>Course Format:</u> 2 credit hours. Lecture format. <u>Prerequisite:</u> second or third professional year standing. <b>Spring semester. Offered only on MUSC Campus.</b>                                                                                                                                              |
| ● | <b>SCCP 762: Creating Pharmacy Leaders</b><br>At the completion of this course, the pharmacy student will have developed an awareness for historic and current pharmacy leaders, and will be able to identify characteristics common among productive leaders. <u>Course Format:</u> 2 credit hours. Lecture format. <u>Prerequisite:</u> second or third professional year standing. <b>Fall semester. Offered only on USC Campus.</b>                                                                                                                                                                                                                                              |
| ● | <b>SCCP 763: Introduction to Pharmacy Pathways and Careers</b><br>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. <u>Course Format:</u> 2 credit hours. Lecture format. <u>Prerequisite:</u> second or third professional year standing. <b>Fall semester. Offered only on USC Campus.</b>                                                                                                                                                              |

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| ● | <p><b>SCCP 764: Personal Finance</b></p> <p>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. <u>Course Format:</u> 3 credit hours. Lecture format. <u>Prerequisite:</u> second or third professional year standing. <b>Fall semester offered only on USC Campus. Spring semester offered only on MUSC Campus.</b></p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| ● | <p><b>SCCP 766: Alternative Medicine</b></p> <p>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. <u>Course Format:</u> 2 credit hours. Lecture format. <u>Prerequisite:</u> second or third professional year standing. <b>Offered only on USC Campus. Spring semester.</b></p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| ● | <p><b>SCCP 768: Geriatric and Long Term Care Pharmacy Practice</b></p> <p>The course will introduce students to various topics related to the care of older patients in the community, hospital, and/or long term care settings. Course content will compliment the curriculum with regard to geriatric pathophysiology, pharmacology, and pharmacotherapeutics. It will expand upon the practice of long-term care consulting. In addition to class discussions and lectures, students will participate in a consultant pharmacist shadowing experience, develop a presentation related to medication safety in older patients, and complete a project related to healthy aging. <u>Course Format:</u> 2 credit hours. Lecture format. <u>Prerequisite:</u> second or third professional year standing. <b>Spring semester. Offered only on MUSC Campus</b></p>                                                                                                                                                                                                                                                                                                                                                              |
| ● | <p><b>SCCP 774: Pharmacy Political Advocacy</b></p> <p>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. <u>Course Format:</u> 2 credit hours. Lecture format. <u>Prerequisite:</u> second or third professional year standing. <b>Offered only on USC campus. Spring semester</b></p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| ● | <p><b>SCCP 776: Developing a Medication Therapy Management Service</b></p> <p>This course will prepare students to develop and implement a pharmaceutical care service into a community pharmacy setting. The focus will be on designing a Medication Therapy Management service; however other clinical pharmacy services will be discussed. Students will apply basic principles of small business administration and development to the creation of a pharmacy service. Students will participate in interactive lectures, written assignments, and formal presentations. <u>Course Format:</u> 2 credit hours. Lecture format. <u>Prerequisite:</u> third professional year standing. <b>Distance Education. Fall semester.</b></p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| ● | <p><b>SCCP 777: Nuclear Pharmacy I</b></p> <p>This course introduces students to the basic operation of a nuclear pharmacy. Instruction begins with a broad overview of nuclear pharmacy with emphasis on challenges and opportunities currently available in the industry. The student will be given a tour of a licensed nuclear pharmacy to assist in establishing a visual relationship to many of the topics that will be discussed this course as well as subsequent courses. Upon establishment of this skeleton framework, the course then shifts to introduce the student to basic radiation physics, decay calculations used in nuclear medicine, the chemistry of various radionuclides and radioisotopes, and basic radiation biology. Limited half life values and pertinent information that relates to key isotopes commonly used in nuclear pharmacy will be given to the student in chart format to be committed to memory. Radiation safety techniques are also heavily emphasized during this course. <u>Course Format:</u> 3 credit hours. Lecture format and nuclear pharmacy visitation. <u>Prerequisite:</u> second or third professional year standing. <b>Distance Education. Fall semester.</b></p> |
| ● | <p><b>SCCP 778: Nuclear Pharmacy II</b></p> <p>This course builds on the framework that was introduced in SCCP 777. The course begins with a brief review of the key elements from prior coursework with immediate emphasis on material that should be committed to memory. The course introduces the student to the procedures necessary to produce and dispense quality radiopharmaceuticals. The course then shifts to the specific use of various radiopharmaceuticals in the nuclear pharmacy. Imaging modalities being discussed during this course includes: brain, thyroid, lung, liver, spleen, gastrointestinal, kidney, and bone. Other procedures are also discussed in this course. When possible, experts in the various fields will be used to provide in depth instruction for each topic. <u>Course Format:</u> 3 credit hours. Lecture format and nuclear pharmacy visitation. <u>Prerequisites:</u> SCCP 777; second or third professional year standing. <b>Distance Education. Spring semester.</b></p>                                                                                                                                                                                                  |
| ● | <p><b>SCCP 779: Advanced Self-Care</b></p> <p>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 (SCCP 750) into evidence-based case discussions and presentations. <u>Course format:</u> 2 credit hours. Lecture format: one two hour period. <u>Prerequisite:</u> second or third professional standing. <b>Distance Education. Spring semester.</b></p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| ● | <p><b>SCCP 781: Diabetes in the Community</b></p> <p>This course provides students with an opportunity to learn more about diabetes mellitus in the community through a hands-on experience. Students will engage in interactive lecture and activity learning exercises. The course will utilize experts in the field of diabetes to discuss topics set forth by the course coordinator. Students will give reflective presentations and complete a final examination at the conclusion of the semester. <u>Course format:</u> 2 credit hours. Lecture format: one two hour period. <u>Prerequisite:</u> second or third professional year standing. <b>Distance Education. Fall semester.</b></p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| ● | <p><b>SCCP 782: Health Care System Improvement</b></p> <p>This course provides the foundation for beginning health care professionals 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, social determinants of health, and evidence-based medicine. <u>Course format:</u> 2 credit hours. On-line modules, small group discussion. <u>Prerequisite:</u> second or third professional year standing. <b>On-line. Spring semester.</b></p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| ● | <p><b>SCCP 783: Essentials Of Cultural Competence In Pharmacy Practice</b></p> <p>This course will introduce students to the ethical and professional ideas behind the incorporation of cultural competence in the practice of pharmacy. It will also describe the nature of a range of cultures and the health care practices that influence those cultures. Upon successful completion of this course, students should be able to assess their level of cultural competencies, describe the role of pharmacists in cultural competency, explain the beliefs of various cultures and how to tailor medication administration to their beliefs, and predict how patients' beliefs will affect the health care system. <u>Course format:</u> 2 credit hours. Lecture format, discussion. <u>Prerequisite:</u> second or third professional year standing. <b>Distance Education. Spring semester.</b></p>                                                                                                                                                                                                                                                                                                                      |
| ● | <p><b>SCCP 784: Post-graduate and Research Training</b></p> <p>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. <u>Course format:</u> 2 credit hours. Lecture format, discussion. <u>Prerequisite:</u> second or third professional year standing. <b>Distance Education. Fall Semester.</b></p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| ● | <p><b>SCCP 786: Pediatric Pharmacotherapy</b></p> <p>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. <u>Course format:</u> 2 credit hours. Lecture format in 50-minute sessions. <u>Prerequisite:</u> second professional year standing. <b>Distance Education. Fall semester.</b></p>                                                                                                                                                                                                                                                                                                                                                                                                             |

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| ● | <p><b>SCCP 801: Clinical Toxicology</b><br/>This clinical toxicology course will discuss target organ toxicology, focusing on each major organ system, key compounds which affect these systems, the mechanisms by which these compounds act, and treatments. Urban legends and common misconceptions about toxins and toxicants are discussed. <u>Course format: 2 credit hours. Lecture format: one two hour period. Prerequisite: second or third professional year standing. MUSC campus. Spring semester.</u></p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| ● | <p><b>SCCP 851: Acute Care Therapeutics</b><br/>A disease oriented approach 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. <u>Course Format: 2 credit hours. Lecture format. Prerequisite: third professional year standing. Distance Education. Spring semester.</u></p>                                                                                                                                                                                                                                                                                                                                                   |
| ● | <p><b>SCCP 856: Evidence Based Medicine</b><br/>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. <u>Course Format: 2 credit hours. Lecture format. Prerequisite: second or third professional year standing. Offered only on USC campus. Spring semester.</u></p>                                                                                                                                                                                                                                                                                                                                            |
| ● | <p><b>SCCP 857: Community Pharmacy Practice and Operations</b><br/>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. <u>Course Format: 2 credit hours. Lecture format. Prerequisite: third professional year standing. PartialDistance Education. Spring semester.</u></p>                                                                                                                                                                                                                         |
| ● | <p><b>SCCP 858: Drug Interactions</b><br/>This course is designed to prepare students to appropriately recognize, predict, assess, and manage drug interactions that are encountered in pharmacy practice. <u>Course Format: 2 credit hours. Lecture format. Prerequisite: third professional year standing. Distance Education. Spring semester</u></p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| ● | <p><b>SCCP 863: Medication Safety Management</b><br/>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. <u>Course Format: 2 credit hours. Lecture format. Prerequisite: third professional year standing. Fall semester. Offered only on USC campus.</u></p>                                                                                                                                                                                                                 |
| ● | <p><b>SCCP 859: Design and Conduct of Clinical Research Studies</b><br/>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. <u>Course Format: 2 credit hours. Lecture format. Prerequisite: third professional year standing. Fall semester. Offered only on USC campus.</u></p> |
| ● | <p><b>SCCP 862: CARES Service Learning</b><br/>Interprofessional service learning elective involving medical, pharmacy, and other health care professional students. Students will volunteer at the free CARES medical clinic and participate in an elective lecture on Wednesday evenings from 6-7pm. <u>Course format: 1 credit hour. Combination of lecture format and clinic activity. Prerequisite: third professional year standing. Fall and Spring semester. Offered only on MUSC campus.</u></p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| ● | <p><b>SCCP 877: Nuclear Pharmacy III</b><br/>This course continues to build on the framework that has been established in SSCP 777 and SSCP 778. The course begins with an overview of cardiology and continues into a detailed review of nuclear cardiac imaging. Currently available therapeutic agents will then be examined for their current role in nuclear pharmacy. The course then shifts to examine the regulatory aspects that govern the profession. The student will become extensively familiar with the various regulations and regulators within the scope of nuclear pharmacy. <u>Course Format: 3 credit hours. Lecture format and nuclear pharmacy visitation. Prerequisites: SSCP 777 and SSCP 778; third professional year standing. Distance Education. Fall semester.</u></p>                                                                                                                                                                                                                                  |
| ● | <p><b>SCCP 878: Nuclear Pharmacy IV</b><br/>This course continues to build on the framework that has been established in SSCP 777, SSCP 778, and SSCP 877. The course begins with instruction on P.E.T. procedures (Positron Emission Tomography). F-18 FDG is studied in detail for its role in nuclear medicine. Quality Control procedures and standards for P.E.T. are addressed. Pipeline and research drugs are also discussed with a special highlight on the future of nuclear pharmacy. This course is concluded with a broad review of nuclear pharmacy. Nuclear pharmacy career opportunities are discussed in this course. <u>Course Format: 4 credit hours. Lecture format and nuclear pharmacy visitation. Prerequisites: SSCP 777, 778, and 887; third professional year standing. Distance Education. Spring semester.</u></p>                                                                                                                                                                                        |
| ● | <p><b>SCCP 879: Patient-Centered Approach to Medication Therapy Management</b><br/>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. <u>Course format: 2 credit hours. Lecture format: one two hour period. Prerequisite: third professional year standing. Distance education. Spring semester.</u></p>                                                                                                                                                                                                                                                                                                                        |
| ● | <p><b>SCCP 881: Senior Care Pharmacy Practice</b><br/>This course will introduce students to various topics related to the care of older patients in any setting. Course content will compliment the SSCP 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. <u>Course format: 2 credit hours. Lecture format, discussion. Prerequisite: third professional year standing. Distance education. Spring semester.</u></p>                                                                                                                                                                                                    |
| ● | <p><b>SCCP 882: Integrated Pharmacy: Infectious Diseases Pharmacotherapy in Patient Care</b><br/>This course is an integrated approach to infectious diseases pharmacotherapy that builds upon required SSCP 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. <u>Course format: 2 credit hours. Lecture format, discussion. Prerequisite: second or third professional year standing. Distance education. Spring semester.</u></p>                                                                                                                                                                                 |

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| ● | <p><b>SCCP 883: Practical Applications in Patient Counseling</b></p> <p>This course will build upon the principles of pathophysiology, medication administration, and patient counseling (SCCP 600, SCCP 605, SCCP 650, SCCP 660) to include developing advanced skills in patient assessment (SOAP notes), counseling and medication reconciliation, including the role of the pharmacist in discussing patient issues including access to medications, adherence, assessing understanding to improve compliance, and sensitive patient issues (i.e. sexual side effects). <u>Course Format:</u> 2 credit hours. Lecture format in 50-minute sessions. <u>Prerequisites:</u> <u>third professional year standing</u>. <b>Offered only on the MUSC campus. Fall semester.</b></p>                                                        |
| ● | <p><b>SCCP 884: Delivering Medication Therapy Management Services</b></p> <p>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. <u>Course Format:</u> 2 credit hours. Lecture format. <u>Prerequisite:</u> <u>third professional year standing</u>. <b>Distance Education. Fall semester.</b></p> |

| Fall 2011                             | SCCP                        |
|---------------------------------------|-----------------------------|
| Orientation (1 <sup>st</sup> yr only) | 8/16 (SCCP) – 8/17 (campus) |
| White Coat Ceremony                   | 8/16 (MUSC), 8/15 (USC)     |
| Classes Begin                         | 8/18                        |
| Labor Day <sup>1</sup>                | 9/5                         |
| Fall Break                            | 10/20 – 10/21               |
| Research Day <sup>2</sup>             | 11/4                        |
| Thanksgiving                          | 11/23 – 11/27               |
| Last day of Class                     | 12/5                        |
| Reading Day                           | 12/6                        |
| Finals                                | 12/7 – 12/13                |
| Total Days of Class                   | 71                          |

| Spring 2012                        | SCCP                         |
|------------------------------------|------------------------------|
| Start Date                         | 1/5                          |
| Interprofessional Day <sup>1</sup> | 1/6                          |
| MLK Day <sup>2</sup>               | 1/16                         |
| Spring Break                       | 3/3 – 3/11                   |
| Last day of Class                  | 4/23                         |
| Reading Day                        | 4/24                         |
| Finals                             | 4/25 – 5/1                   |
| Total Days of Class                | 72                           |
| Commencement                       | 5/4 & 5/5 (USC), 5/18 (MUSC) |

<sup>1</sup>For 1<sup>st</sup> and 2<sup>nd</sup> year students only

<sup>2</sup>State holiday; no classes

| Summer Sessions 2012            | SCCP       |
|---------------------------------|------------|
| Summer Session I <sup>1</sup>   | 5/7 – 6/1  |
| Summer Session II <sup>2</sup>  | 6/4 – 6/29 |
| Summer Session III <sup>3</sup> | 7/2 – 7/27 |

<sup>1</sup>For P1 – P3 for repeating fall semester courses or P1 and P2 students for IPPE

<sup>2</sup>For P1 – P3 for repeating spring semester courses or P1 and P2 students for IPPE

<sup>3</sup>For P1 and P2 students for IPPE

#### Notice and Disclaimers

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Effective Date August 15, 2011