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ACADEMIC CALENDAR 2009-2010

FALL SEMESTER

Orientation ................................................................. Friday, August 14
Classes Begin ............................................................ Monday, August 17
Holiday ................................................................. Monday, September 7
Midpoint of Semester ................................................ Thursday, October 8
Fall Break .............................................................. Friday, October 30
12-week Course Ends ........................................... Friday, November 6
Final Exam, 12-week Course .................................. Monday, November 9
Thanksgiving Holidays ........................................... Monday-Friday, November 23-27
Classes End .......................................................... Friday, December 4
Final Exams ........................................................... Monday-Friday, December 7-14

SPRING 2009 (TENTATIVE)

Classes Begin .......................................................... Thursday, January 7
Holiday ................................................................. Monday, January 18
Midpoint of Semester ........................................... Tuesday, March 2
Spring Break ......................................................... Monday-Friday, March 8-12
12-week Courses End ........................................... Friday, April 2
Final Exams, 12-week Courses ................................ Monday-Friday, April 5-9
Classes End .......................................................... Friday, April 30
College of Pharmacy Commencement .................. Saturday, May 1
Finals Exams .......................................................... Monday-Friday, May 3-7
UGA Commencement .............................................. Saturday, May 8
This calendar may be subject to change. Please refer to the Schedule of Classes and/or other special announcements that may be forthcoming.

Pursuant to directives of the President of this institution, the University of Georgia continues its affirmative implementation of equal opportunity to employees, students, covered contractors and vendors, and applicants for employment, admission, or contractor/vendor status. The University of Georgia will act in matters of employment, admissions, programs, and services free of prohibited bias with regard to race, creed, color, sex, national origin, religion, age, veteran status, or disability. Further, the University of Georgia will not maintain racially segregated facilities.

Continuation of the above policies is consistent with applicable provisions of the Civil Rights Act of 1964, the Education Amendments of 1972, Executive Order 11246, Revised Order 4, the Vietnam Era Veterans Readjustment Act of 1974, the Rehabilitation Act of 1973, and The Americans with Disabilities Act of 1990, as revised and/or amended, with implementing regulations. Accordingly, this institution will not discriminate in employment, admissions, programs, or services with regard to any position for which the applicant, employee, or student is qualified and will make reasonable accommodation for physical and mental limitations.

The Affirmative Action Plan implementing the above body of law, regulation, and policy is administered by Claude-Leonard Davis, Director of the UGA Equal Opportunity Office at 3 Peabody Hall, Athens, Georgia 30602-1622. Telephone inquiries concerning this Plan may be directed to (706) 542-7912. Copies of this Plan are available for inspection in the Equal Opportunity Office and in the UGA Main Library during normal weekday working hours. Affirmative Action Plan narrative may also be reviewed at the website, www.uga.edu/eoo/, by selecting "Affirmative Action."

This is an unofficial publication of the University of Georgia. The official publication for academic matters of the University of Georgia is the University of Georgia Bulletin (www.bulletin.uga.edu).

While every effort is made to provide accurate and current information, the University reserves the right to change, without notice, statements in the bulletin concerning rules, policies, fees, curricula, courses, calendar, or other matters. Further, the statements set forth in this bulletin are for informational purposes only and should not be construed as the basis of a contract between a student and the institution.

If you have a disability and need assistance in order to obtain this bulletin in an alternative format, please contact the Office of Student Affairs at (706)542-5278.
GENERAL INFORMATION

ATHENS, GEORGIA

With a metropolitan population of just more than 100,000, Athens is a vibrant city situated in rolling Piedmont country. Athens is known for its many cultural opportunities, including concerts, films, and plays. Atlanta, 70 miles southwest of Athens, offers musical and theatrical events plus major league sports. Only a few hours away from Athens are major recreational areas such as beaches, the Great Smoky Mountains, and national forests containing numerous lakes and hiking trails. The climate is moderate with a daily mean temperature range from 35 to 51 degrees in January and from 69 to 90 degrees in July.

THE UNIVERSITY OF GEORGIA

The University of Georgia is a unit of The University System of Georgia. The System's Board of Regents was created in 1931 as a part of a reorganization of Georgia's state government. With this act, public higher education in Georgia was unified for the first time under a single governing and management authority. The governor appoints members to the Board, who each serve seven years. Today the Board of Regents is composed of 18 members, five of whom are appointed from the state-at-large, and one from each of the 13 congressional districts. The Board elects a chancellor who serves as its chief executive officer and the chief administrative officer of the University System.

The Board oversees 35 institutions: four research universities, 2 regional universities, 13 state universities, 7 state colleges, and 9 two-year colleges. These institutions enroll more than 233,000 students and employ more than 9,000 faculty and 35,000 employees to provide teaching and related services to students and the communities in which they are located. For further information, contact:

Board of Regents of the University System of Georgia
270 Washington Street, S.W.
Atlanta, Georgia 30334

ACCREDITATION

The University of Georgia is accredited by the Commission on Colleges of the Southern Association of Colleges and Schools to award baccalaureate, masters, specialist and doctoral degrees. Contact the Commission on Colleges at 1866 Southern Lane, Decatur, Georgia 30033-4097 or call 404-679-4500 for questions about the accreditation of the University of Georgia.

UNIVERSITY OF GEORGIA ADMINISTRATION

Michael F. Adams, President, presuga@uga.edu, (706) 542-1214
Arnett C. Mace, Senior Vice President for Academic Affairs and Provost, amace@uga.edu, (706) 542-5806
Svein Öie, Dean, College of Pharmacy, soie@mail.rx.uga.edu, (706) 542-1914
In 1903, the Committee on Laws and Disciplines of the Board of Trustees authorized the organization of a School of Pharmacy at the University of Georgia in Athens. At the same time, a local physician, Dr. Samuel C. Benedict was appointed to the chair of Materia Medica in the School. Space was allocated in Science Hall, but in November 1903 it burned to the ground. Terrell Hall was constructed on the site and was occupied in June 1905. Since graduation from a college or high school was not a requirement at that time to practice pharmacy, many students enrolled, took classes for a year, and then apprenticed in a pharmacy. The first graduating class was 1908, when three students received their Pharmacy Graduate (Ph.G) degree.

In January 1907, Mr. Robert C. Wilson was elected Instructor in Pharmacy and, on the death of Dr. Benedict in 1914, was named Director of the Department of Pharmacy; in 1924 he became Dean of the School of Pharmacy. Although the first woman to enter the School did so in 1920, the first women graduated in 1925. Dean Wilson's continuous struggle to improve pharmacy in Georgia led to the development of one of the first four-year required pharmacy degrees in the nation, beginning in 1926. In 1939, the school moved to quarters in New College and was accredited by the American Council on Pharmaceutical Education, a rating that has been maintained continuously since that time.

Dr. Kenneth L. Waters was named Dean of the School of Pharmacy in 1948. Under his guidance, the school grew to the point where a new facility was deemed essential. The building was completed in 1964. One year later, the first students of the five-year pharmacy program graduated. The new facility presented an opportunity for student body and faculty growth, with faculty experiencing the greatest percentage increase. Academic programs were improved and research output was significantly increased. The service program developed rapidly to the point where several faculty members were involved. Externship and clinical programs were required of undergraduate students in an effort to present the optimum learning experience. The School's graduate degree program began with the Master's program in 1951. In 1964, the Ph.D. degree program was authorized, and the first degrees were granted in 1967.

Dr. Howard C. Ansel was named Dean in 1977. During his tenure, the name of the school was changed to the College of Pharmacy to reflect the unit's expanded educational, research, and service roles. On Dr. Wilson's 100th birthday in 1978, the building was named the Robert C. Wilson Pharmacy Building. A Doctor of Pharmacy (Pharm.D.) degree program was offered as a post-baccalaureate degree program and as a tracking option. The Clinical Pharmacy Program at
the Medical College of Georgia was established and an assistant dean of pharmacy was named as its administrator. The graduate and research programs of the College were also strengthened through major building renovations, establishing the College of Pharmacy as one of the premier research units on campus. The reading room was named in honor of the late Professor Ford C. Millikan in 1983. An office of Postgraduate Continuing Education was created to provide for the continuing education needs of the practitioner.

**Dr. Stuart Feldman** of the University of Houston was named Dean in 1991. During his tenure the College received Georgia State lottery funds to increase technology in education and the Millikan Educational Resources Center was converted to a computer laboratory for student access. The curriculum was changed from the quarter to the semester system, and the entry-level Doctor of Pharmacy degree and the Non-traditional Doctor of Pharmacy Pathway Program were initiated. A full-time experiential coordinator was hired.

**Dr. Svein Oie** of the University of California San Francisco became Dean on January 1, 2000. Under his guidance, the College has increased its class size, expanded its regional presence, been involved in establishing a Center for Drug Discovery and a Center for Mass Destruction Defense, increased interdisciplinary research and strengthened its research focus. With full implementation of the entry-level PharmD program, the clinical faculty has been augmented, clinical activities increased, and the College has become actively involved in residency training. In 2003, the College celebrated its centennial. Fundraising efforts have increased the number of scholarships, endowed professorships and augmented available funds for building enhancements. A 93,000 sq. ft. building addition, the Pharmacy South Building, opened in fall 2009.
UNIVERSITY OF GEORGIA GRADUATION REQUIREMENTS

REGENT’S EXAM

All undergraduate students enrolled in the University, with the exception of those persons holding a baccalaureate or higher degree from a regionally accredited institution of higher education, must pass the Regents’ Reading Skills and Regents’ Writing Skills courses as a requirement for graduation. The Regents’ Test may be exempted based on SAT and/or ACT scores; see www.bulletin.uga.edu for further details.

Students are required to satisfy this requirement in the semester after they have earned 30 hours of college-level credit. Students who have not satisfied or exempted this requirement during the semester in which they will have earned 45 credit hours shall be required to take remedial coursework each subsequent term of attendance until they have completed the course(s) and passed the corresponding Regents’ Test.

EXAMINATIONS ON US AND GEORGIA HISTORY AND CONSTITUTIONS

All persons receiving a degree from the University are required to pass examinations on the history and constitutions of both Georgia and the United States. Each of these examinations may be exempted by successfully completing specified courses, which can be found at www.bulletin.uga.edu. Examinations are given once each semester, with the dates announced in the class schedule (OASIS). Reexamination is permitted by appointment at University Testing Services in Clark Howell Hall. Additional information can be found at www.testing.uga.edu.
DOCTOR OF PHARMACY PROGRAM

PROGRAM OF STUDY

The College of Pharmacy offers the Doctor of Pharmacy (Pharm.D.) degree to students who successfully complete the six-year study of prescribed courses. To receive the Pharm.D. degree, a student must have earned academic credit for not less than 60 semester hours (including physical education) in pre-pharmacy coursework and 148 semester hours of required professional coursework. The first two years (pre-pharmacy) may be completed at any accredited institution of higher education. At the University of Georgia, the pre-pharmacy program is administered through the College of Arts and Sciences. The last four years (nine semesters) are in the professional program and must be in residence at the College of Pharmacy. The professional 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.

ADMISSION TO THE PROFESSIONAL PROGRAM

Applicants to the professional program must take the Pharmacy College Admission Test (PCAT) and have their scores transmitted to the College of Pharmacy. In addition to PCAT scores, the selection process will utilize the applicant’s grade point average in pre-pharmacy coursework, recommendations, and an on-campus interview. The College of Pharmacy accepts students into its professional program for beginning classes only in the Fall semester.

Application to the College of Pharmacy must be submitted by February 1. Transcripts showing all college coursework should accompany the application. Students may apply to the College of Pharmacy after they have completed the majority of the pre-pharmacy requirements. Applicants who are accepted but do not attend the designated term must repeat the admission process for a future term.

Applicants for admission to the College of Pharmacy who are known to have been officially dismissed from another pharmacy program will not be accepted. A student who gains entrance to the College by misrepresentation of facts may be dismissed immediately.

APPLICATION GUIDELINES

1. Applicants must submit a completed application online by February 1. The earlier the application is submitted, the sooner it will be processed and considered by the Admissions Committee. The online application is available at the College’s website (www.rx.uga.edu).

2. At least two recommendations are required for each applicant. The reference form can be downloaded from the College’s website. One recommender should be a pre-pharmacy advisor or teacher familiar with the applicant’s educational background; the other should be a health care professional, preferably a pharmacist, who can speak to the applicant’s
professional potential. Applicants may submit additional recommendations by photocopying a blank reference form or printing additional copies from the website.

3. All applicants must take the Pharmacy College Admission Test (PCAT) and have their scores sent to the University of Georgia College of Pharmacy. The Summer and Fall test dates are preferred so that students have the opportunity to retake the test in January (in time to meet the February 1 application deadline) if they desire. Students may take the PCAT as many times as they wish without penalty. Individual percentile scores as well as composite percentile scores are reviewed by the Admissions Committee. Review books and courses for the PCAT are available. For more information, contact the College’s Office of Student Affairs.

4. All applicants should be prepared for an on-campus interview with members of the Admissions Committee and currently enrolled pharmacy students. During the interview, students may be asked to discuss their academic background, reasons for selecting pharmacy as a profession, plans upon graduation, work experience, leadership experience, and extracurricular activities. Verbal and written communication skills also will be evaluated.

TUITION, FEES, AND OTHER EXPENSES

Expenses for pharmacy students at The University of Georgia are higher than for most other on-campus students. The following (not including travel, clothing, and incidentals) is an estimate of expenses for **one semester**:

- Georgia Resident Tuition and Fees ....................... $6358
- Non-Resident Tuition and Fees .......................... $15345
- Residence Hall ........................................... $2262
- Meals ......................................................... $1761
- Insurance .................................................. $600
- Books and Supplies ...................................... $700

The University reserves the right to change its tuition and fees at the beginning of any academic term and without previous notice. This right will be exercised cautiously.

While the provisions of this bulletin will ordinarily be applied as stated, the College of Pharmacy reserves the right to change any provision listed in this bulletin, including but not limited to academic requirements for graduation, without actual notice to individual students. Every effort will be made to keep students advised of any such changes. Information on changes will be available in the Office of the Dean. It is especially important that each student note that it is the student’s responsibility to keep apprised of current graduation requirements for the student’s particular degree program.
FINANCIAL AID

THE UGA STUDENT FINANCIAL AID OFFICE

Requests for student aid are handled through the University of Georgia Student Financial Aid office. The office is open year-round (except for holidays) and the hours of operation are 8:00 AM – 5:00 PM, Monday through Friday. For more information about financial aid and eligibility, you may call the Student Financial Aid office at (706) 542-6147 or contact the office at osfa@uga.edu.

THE HOPE SCHOLARSHIP PROGRAM

Students who meet the criteria for the HOPE Scholarship and have not exceeded the maximum number of credit hours under the HOPE program may continue their HOPE Scholarship in the pharmacy curriculum. Pharmacy students have an eligibility limit of 150 semester hours (which includes both pre-pharmacy and pharmacy coursework) under the HOPE guidelines. Specific questions regarding eligibility for the HOPE Scholarship should be directed to the University of Georgia Student Financial Aid office.

PRE-PHARMACY CURRICULUM

For specific course descriptions and prerequisites, see the University of Georgia online bulletin at http://www.bulletin.uga.edu.

I. Foundation Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>ENGL 1101</td>
<td>English Composition I</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 1102</td>
<td>English Composition II</td>
<td>3</td>
</tr>
<tr>
<td>MATH 2200</td>
<td>Analytic Geometry and Calculus</td>
<td></td>
</tr>
<tr>
<td>MATH 2250</td>
<td>Calculus 1 for Science and Engineering</td>
<td>4</td>
</tr>
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</table>

II. Sciences

Physical Sciences

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM 1211</td>
<td>Freshman Chemistry I</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 1211L</td>
<td>Freshman Chemistry Lab I</td>
<td>1</td>
</tr>
</tbody>
</table>

Life Sciences

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 1107-1107L</td>
<td>Principles of Biology I</td>
<td>4</td>
</tr>
</tbody>
</table>
III. Quantitative Reasoning

STAT 2000  Introductory Statistics  4

IV. World Languages and Culture, Humanities, and the Arts

World Languages and Culture

Elective courses selected from university list  9

Humanities and the Arts

SPCM 1100  Introduction to Public Speaking  or
SPCM 1500  Introduction to Interpersonal Communication  3

V. Social Sciences

ECON 2105  Principles of Macroeconomics  or
ECON 2106  Principles of Microeconomics  3
POLS 1101  American Government  3
(Meets the Georgia and U.S. Constitution graduation requirement)
HIST 2111  American History to 1865  or
HIST 2112  American History since 1865  3
(Meets the Georgia and U.S. History graduation requirement)

VI. Entrance Requirements Related to Major

CHEM 1212  Freshman Chemistry II  3
CHEM 1212L  Freshman Chemistry Lab II  1
CHEM 2211  Modern Organic Chemistry I  3
CHEM 2211L  Modern Organic Chemistry Lab I  1
CHEM 2212  Modern Organic Chemistry II  3
CHEM 2212L  Modern Organic Chemistry Lab II  1
BIOL 1108-1108L  Principles of Biology II  4
COLLEGE OF PHARMACY FACULTY

ADMINISTRATION

Oie, Svein, Ph.D., Professor, Dean
Francisco, George E., Jr., Pharm.D., Professor, Associate Dean
Brooks, Paul J., Pharm.D., Assistant Dean for Outreach and Nontraditional Education
Duke, Lori, Pharm.D., Assistant Dean for Experience Programs
Fagan, Susan, Pharm.D., Professor, Assistant Dean for MCG Programs
Wolfgang, Alan, Ph.D., Assistant Dean for Student Affairs

PHARMACEUTICAL AND BIOMEDICAL SCIENCES

Nair, Vasu, Ph.D., Professor, Department Head
Arnold, Robert D., Ph.D., Assistant Professor
Bartlett, Michael, Ph.D., Professor
Beach, J. Warren, Ph.D., Associate Professor
Bruckner, James, Ph.D., Professor
Capomacchia, Anthony, Ph.D., Associate Professor
Chu, Chung K., Ph.D., Professor
Cummings, Brian S., Ph.D., Assistant Professor
Franklin, James, Ph.D., Associate Professor
Govindarajan, Rajgopal, Ph.D., Assistant Professor
Greenspan, Phillip, Ph.D., Associate Professor
Hartle, Diane K., Ph.D., Associate Professor
Hooks, Shelley, Ph.D., Associate Professor
Long, Timothy, Ph.D., Assistant Professor
Momany, Cory, Ph.D., Associate Professor
Murph, Mandi, Ph.D., Assistant Professor
Strong, Deborah, Pharm.D., Clinical Associate Professor
White, Catherine, Ph.D., Associate Professor
Zastre, Jason, Ph.D., Assistant Professor

CLINICAL AND ADMINISTRATIVE PHARMACY

Phillips, Bradley, Pharm.D., Professor, Department Head
Buck, Brian, Pharm.D., Clinical Associate Professor
Cobb, Henry H., III, Ph.D., Clinical Professor
DeRemer, David, Pharm.D., Clinical Assistant Professor
Duke, Kenneth
El-Remessy, Azza, Ph.D., Assistant Professor
Ergul, Adviye, M.D., Ph.D., Adjunct Associate Professor
Fagan, Susan C., Pharm.D., Professor
Fleming, Virginia, Pharm.D., Clinical Assistant Professor
Forrister, Daniel, Pharm.D., Clinical Assistant Professor
Franic, Duska, Pharm.D., Ph.D., Associate Professor
Herist, Keith N., Pharm.D., Clinical Associate Professor
Hunter, Carolyn S., Pharm.D., Clinical Assistant Professor
Huston, Sally, Ph.D., Assistant Professor
Jain, Rahul, Ph.D., Assistant Professor
Langford, Alan, M.D., Clinical Professor
May, J. Russell, Pharm.D., Clinical Professor
Miller, Mindi, Pharm.D., Clinical Associate Professor
Neville, Michael, Pharm.D., Clinical Associate Professor
Norton, Merrill, Pharm.D., Clinical Associate Professor
Perri, Matthew III, Ph.D., Professor
Phillips, Beth B., Pharm.D., Clinical Associate Professor
Porter, Kalen, Pharm.D., Clinical Assistant Professor
Richards, Hal, Pharm.D., Clinical Assistant Professor
Sarao, Suhkmani, Pharm.D., Clinical Assistant Professor
Shepherd, J. Greene, Pharm.D., Clinical Professor
Shenoy, Somanath, Ph.D., Assistant Professor
Southwood, Robin L., Pharm.D., Clinical Assistant Professor
Spruill, William, Pharm.D., Professor
Tackett, Randall, Ph.D., Professor
Taylor, A. Thomas, Pharm.D., Associate Professor
Wade, William E., Pharm.D., Professor

OUTREACH AND NON-TRADITIONAL EDUCATION

Brooks, Paul J., Pharm.D., Assistant Dean
Dykstra, Gary, Director, Biomedical Continuing Education & Strategic Planning
Hodges, Johnna, Assistant Director, Regulatory Affairs Educational Programs
McDuffie, Charles, Pharm.D., Public Service Associate
Mullis, David, Director, Regulatory Affairs Educational Programs
Sanford, Jeffery, Senior Public Service Associate
von Waldner, Trina, Pharm.D., Director for Postgraduate Continuing Education

EXPERIENCE PROGRAMS

Duke, Lori J., Pharm.D., Assistant Dean
Krulic, Wesley, Public Service Assistant
McDuffie, Charles H., Pharm.D., Public Service Associate
Miller, Mindi, S., Pharm.D., Clinical Assistant Professor
Sheffield, Melody C., Pharm.D., Public Service Associate
Unterwagner, Whitney, Pharm.D., Public Service Associate
**Doctor of Pharmacy Curriculum**

**First Professional Year**

The first year curriculum introduces the student to “systems” on which the profession is based, e.g., organ systems, drug delivery systems, health care systems, computer systems, communications, and medical terminology. This provides the foundation on which the second, third, and fourth professional years are built.

**Fall Semester**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>PHRM 3010</td>
<td>Introduction to Pharmacy</td>
<td>3</td>
</tr>
<tr>
<td>PHRM 3050</td>
<td>Biochemical Basis of Disease I</td>
<td>2</td>
</tr>
<tr>
<td>PHRM 3100</td>
<td>Pharmacy Skills Lab I</td>
<td>2</td>
</tr>
<tr>
<td>PHRM 3450</td>
<td>Anatomy, Physiology, and Pathophysiology I</td>
<td>5</td>
</tr>
<tr>
<td>PHRM 3800</td>
<td>Clinical Applications I</td>
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<tr>
<td>PHRM 3900</td>
<td>Pharmacy Intercommunications</td>
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</tr>
<tr>
<td>PHRM 3940</td>
<td>Survey of Drug Information</td>
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**Spring Semester**

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<th>Course Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>PHRM 3060</td>
<td>Biochemical Basis of Disease II</td>
<td>2</td>
</tr>
<tr>
<td>PHRM 3110</td>
<td>Pharmacy Skills Lab II</td>
<td>2</td>
</tr>
<tr>
<td>PHRM 3200</td>
<td>Quantitative Methods in Pharmacy</td>
<td>2</td>
</tr>
<tr>
<td>PHRM 3460</td>
<td>Anatomy, Physiology, and Pathophysiology II</td>
<td>5</td>
</tr>
<tr>
<td>PHRM 3750</td>
<td>Pharmacy and the U.S. Health Care System</td>
<td>2</td>
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<tr>
<td>PHRM 3850</td>
<td>Clinical Applications II</td>
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</tr>
<tr>
<td>PHRM 3950</td>
<td>Introductory Pharmacy Practice Experience I</td>
<td>3</td>
</tr>
</tbody>
</table>
**SECOND PROFESSIONAL YEAR**

In the second year, the curriculum focuses on drugs – their structure, function, mechanism of action, formulation, and clinical use in patients.

### Fall Semester

<table>
<thead>
<tr>
<th>Course</th>
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<th>Credits</th>
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<tr>
<td>PHRM 4050</td>
<td>Principles of Medicinal Chemistry I</td>
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<tr>
<td>PHRM 4120</td>
<td>Pharmacy Skills Lab III/Early Experiences</td>
<td>2</td>
</tr>
<tr>
<td>PHRM 4180</td>
<td>Drug Therapy of Infectious Disease</td>
<td>3</td>
</tr>
<tr>
<td>PHRM 4200</td>
<td>Fundamentals of Pharmaceutics I</td>
<td>3</td>
</tr>
<tr>
<td>PHRM 4410</td>
<td>Pharmacology I</td>
<td>3</td>
</tr>
<tr>
<td>PHRM 4520</td>
<td>Introductory Pharmacy Practice Experience II</td>
<td>1</td>
</tr>
<tr>
<td>PHRM 4850</td>
<td>Disease Management I</td>
<td>3</td>
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| Total      |                                                              | 17      |

### Spring Semester

<table>
<thead>
<tr>
<th>Course</th>
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<tbody>
<tr>
<td>PHRM 4060</td>
<td>Principles of Medicinal Chemistry II</td>
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<tr>
<td>PHRM 4130</td>
<td>Pharmacy Skills Lab IV/Early Experiences</td>
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<tr>
<td>PHRM 4211</td>
<td>Pharmaceutics II: Biopharmaceutics and Pharmacokinetics</td>
<td>3</td>
</tr>
<tr>
<td>PHRM 4420</td>
<td>Pharmacology II</td>
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<tr>
<td>PHRM 4530</td>
<td>Introductory Pharmacy Practice Experience III</td>
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<td>PHRM 4700</td>
<td>Statistical Approaches to Drug Literature Evaluation</td>
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<td>PHRM 4860</td>
<td>Disease Management II</td>
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| Total      |                                                              | 18      |
**Third Professional Year**

Third year courses utilize disease and drug information presented in the first and second years to make decisions for individual patients. The student will construct pharmacotherapy regimens and write plans to monitor drug therapy for efficacy and safety.

### Fall Semester

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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<tr>
<td>PHRM 4190</td>
<td>Chemotherapy of Cancer</td>
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<tr>
<td>PHRM 5140</td>
<td>Pharmacy Skills Lab V/Early Experiences</td>
<td>2</td>
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<tr>
<td>PHRM 5261</td>
<td>Clinical Pharmacokinetics</td>
<td>2</td>
</tr>
<tr>
<td>PHRM 5750</td>
<td>Drug Interactions and Adverse Drug Reactions</td>
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<tr>
<td>PHRM 5860</td>
<td>Pharmacotherapy I</td>
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<tr>
<td>PHRM 5920</td>
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### Spring Semester

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<td>PHRM 5650</td>
<td>Pharmacy Care Management</td>
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<td>PHRM 5680</td>
<td>Pharmacy Law and Ethics</td>
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<tr>
<td>PHRM 5820</td>
<td>Self-Care and Nonprescription Drugs</td>
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<td>PHRM 5870</td>
<td>Pharmacotherapy II</td>
<td>4</td>
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<tr>
<td>PHRM 5920</td>
<td>Clinical Seminar</td>
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<tr>
<td>PHRM 5950</td>
<td>Advanced Drug Information and Drug Policy Management</td>
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**Fourth Professional Year**

The fourth year consists of full-time clerkship rotations in institutional, community, and other patient care settings.

**Summer Semester**

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<td>PHRM 5902</td>
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<tr>
<td>PHRM 5930</td>
<td>Pharmacotherapy Care Plans and Professional Development</td>
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**Fall Semester**  
(Student completes 3 of 4 Fall clerkships)

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<td>PHRM 5905</td>
<td>Required Pharmacy Clerkship V</td>
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<td>PHRM 5906</td>
<td>Required Pharmacy Clerkship VI</td>
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**Summer Semester**

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<td>PHRM 5908</td>
<td>Required Pharmacy Clerkship VIII</td>
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<td>PHRM 5909</td>
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<tr>
<td>PHRM 5930</td>
<td>Pharmacotherapy Care Plans and Professional Development</td>
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18
PHARMACEUTICAL AND BIOMEDICAL SCIENCES

Pharmaceutical and Biomedical Sciences encompasses the basic science components related to pharmacy and medicine. Specialized areas within Pharmaceutical and Biomedical Sciences include the molecular design and synthesis of pharmacologic agents, development of analytical methodology, determination of physical and chemical properties of drug molecules, assessment of pharmacologic and toxicologic activities of drugs and chemicals, design and formulation of drug delivery systems, and characterization of the pharmacokinetics and metabolism of drugs.

Required Professional Courses

PHRM 3050, 3060. Biochemical Basis of Disease I, II. 2 hours each.
Prerequisite for PHRM 3050: Permission of department.
Corequisite for PHRM 3050: PHRM 3450.
Prerequisite for PHRM 3060: PHRM 3050.
Corequisite for PHRM 3060: PHRM 3460.
PHRM 3050: Chemical factors affecting bioactivity of drugs, role of enzymes in biochemistry and disease, metabolism of biochemicals and drugs.
PHRM 3060: Lipids and prostaglandins; cholesterol and steroid hormones, biosynthesis of amino acids and nucleotides; nucleic acids, molecular genetics and biotechnology; immunology; targets for therapeutic intervention.

PHRM 3200. Quantitative Methods in Pharmacy. 2 hours.
Prerequisite: Permission of department.
Corequisite: PHRM 3110.
Mathematical principles and quantitative methods utilized in the contemporary practice of pharmacy. The calculations required in the quantitative development and assessment of prescriptions, dosage forms, drug delivery systems, and drug therapy modalities are integrated in a manner applicable to pharmacy practice.

PHRM 3450, 3460. Human Physiology and Pathophysiology I, II. 5 hours each.
Prerequisite for PHRM 3450: Permission of department.
Corequisite for PHRM 3450: PHRM 3050 and PHRM 3100.
Prerequisite for PHRM 3460: PHRM 3450.
Corequisite for PHRM 3460: PHRM 3060 and PHRM 3110.
PHRM 30450: Physiology and pathophysiology of the human body with emphasis on cellular function, the immune system, the nervous system, including the special senses. Diseases of each of these systems will be covered in detail.
PHRM 3460: Physiology and pathophysiology of the human body with emphasis on the endocrine, muscle, gastrointestinal, circulatory, renal, and respiratory systems. Major diseases of these systems will be discussed.
PHRM 4050, 4060. Principles of Medicinal Chemistry I, II. 2 hours each.
Prerequisite for PHRM 4050: PHRM 3060.
Corequisite for PHRM 4050: PHRM 4410 and PHRM 4850.
Prerequisite for PHRM 4060: PHRM 3060 and PHRM 4050.
Undergraduate corequisite: PHRM 4420 and PHRM 4860.
PHRM 4050: Drugs acting on the peripheral nervous system and peripheral acting hormones and antihormones, including structure-activity relationships; mechanisms of action; storage and chemical stability reactions.
PHRM 4060: Central nervous system drugs, including their physio-chemical properties, structure-activity relationships and toxicities, side effects, and drug interactions.

PHRM 4200. Fundamentals of Pharmaceutics I - Physical Pharmacy and Dosage Form Design. 3 hours.
Prerequisite: PHRM 3200.
Corequisite: PHRM 4120.
Fundamentals of physical pharmacy and pharmaceutical dosage form design.

PHRM 4211. Pharmaceutics II: Biopharmaceutics and Pharmacokinetics. 3 hours.
Prerequisite: PHRM 4200.
Basic concepts associated with drug absorption, distribution, metabolism, excretion, and transport with an emphasis on compartmental modeling related to dosing of drugs. Specific disease states that alter drug disposition.

PHRM 4410, 4420. Pharmacology I, II. 3 hours each.
Prerequisite for PHRM 4410: PHRM 3060 and PHRM 3460.
Corequisite for PHRM 4410: PHRM 4050 and PHRM 4850.
Prerequisite for PHRM 4420: PHRM 4410.
Corequisite for PHRM 4420: PHRM 4060 and PHRM 4860.
PHRM 4410: Pharmacology of drugs which affect the autonomic nervous, cardiovascular, gastrointestinal, endocrine, and renal systems.
PHRM 4420: Pharmacology of anesthetics, analgesics, hypnotic agents, anticonvulsants, muscle relaxants, antiparkinsonism agents, antianxiety and anti-panic agents, antipsychotic agents, antidepressants, central stimulants and drugs of abuse.

Elective Courses

PHRM 4600. Cancer: Carcinogenesis, Biology, Prevention. 2 hours.
Prerequisite: Permission of department.
Steps in cancer development, initiation, promotion, progression, metastasis, modulators of tumor promotion and progression, diet and cancer, hormone receptors, suppressor genes, oncogenes, and immunosurveillance. Nutritional epidemiology and population studies, dietary guidelines and cancer prevention strategies. Treatment strategies, therapeutic side effects, and quality of life issues.

PHRM 5040. Antiviral Chemotherapy. 2 hours.
Prerequisite: PHRM 4180 or Permission of department.
An in-depth discussion of human viral disease and the management of these diseases.
PHRM 5240-5240L. Advanced Compounding. 2 hours
Prerequisite: PHRM 3100, PHRM 3110, PHRM 3200, PHRM 4120, PHRM 4130, PHRM 4200, and PHRM 4211.
Novel and traditional dosage forms and advanced principles of pharmaceutics for dosage form preparation and administration.

PHRM 5300. Applied Pharmaceutical Biotechnology. 3 hours.
Prerequisite: PHRM 3060.
Developments in the field of biotechnology that are applicable to the pharmaceutical industry.

PHRM 5350. Disaster Training for Health Care Professionals. 3 hours.
Prerequisite: Permission of department.
Basic first aid and disaster relief training for future pharmacists, other health care professionals, and graduate students. First responders training and mock simulations for weapons of destruction events, including case studies, tabletop exercises, and mass casualty medical response.

PHRM 5440. Nutraceuticals. 2 hours.
Rationale for use of nutraceuticals in both prevention and treatment of human disease. Course emphasizes nutritional genomic targets for nutraceutical research and development. Students will study several functional medicine topics related to the use of nutraceuticals.

CLINICAL AND ADMINISTRATIVE PHARMACY

The Department of Clinical and Administrative Pharmacy seeks to provide students with the knowledge and problem solving skills needed to deliver pharmaceutical care. Courses focus on the general areas of pharmacy administration and pharmacy practice. These areas provide the means for pharmacy professionals to integrate and apply prior course material to the identification and assessment of patient problems by collecting and utilizing patient information, developing solutions to patients’ drug related problems, selecting and recommending therapies, and assessing outcomes. The economic, social, behavioral, and political aspects of developing and providing pharmacy care services are also explored. These areas of study prepare the student to address the complex socio-political and therapeutic challenges associated with ethical drug use.

Required Professional Courses

PHRM 3010. Introduction to Pharmacy. 3 hours.
Prerequisite: Permission of department.
Corequisite: PHRM 3100.
Medical terminology, the United States health care system, drug development and distribution, and the pharmacist's role in the system. Discussion of professional organizations and ethics. Overview of common diseases, their diagnoses and treatment, including the top 200 drugs. Overview of basic dispensing skills. Substance abuse in the health care profession.

PHRM 3750. Pharmacy and the United States Health Care System. 2 hours.
Prerequisite: Permission of department.
The social, economic, and political forces that shape the environment in which health care currently is being delivered in America and how this affects the practice of pharmacy.
PHRM 3800, 3850. Clinical Applications I, II. 1 hour each.
Prerequisite for PHRM 3800: Permission of department.
Corequisite for PHRM 3800: PHRM 3050 and PHRM 3450.
Prerequisite for PHRM 3850: PHRM 3800
Corequisite for PHRM 3850: PHRM 3060 and PHRM 3460.
PHRM 3800 and PHRM 3850: Clinical applications of anatomy, physiology, pathophysiology, and biochemistry. Case presentations and various off-site experiential assignments to develop students' direct patient care skills.

PHRM 3900. Pharmacy Intercommunications. 2 hours.
Prerequisite: Permission of department.
The skills to effectively communicate with, teach, and counsel patients about their medications and health are taught. Effective communication strategies and skills are presented. Students are challenged to incorporate these skills into their own counseling and communication style. Innovative technology is employed to promote interactive patient counseling.

PHRM 3940. Survey of Drug Information. 1 hour.
Prerequisite: Permission of department.
Corequisite: PHRM 3100.
Primary, secondary, and tertiary drug information resources, including standard reference texts, computer systems and journals. Emphasis will be placed on retrieval of information and communication of a response.

PHRM 3950. Introductory Pharmacy Practice Experience I. 3 hours.
Prerequisite: PHRM 3100.
Corequisite: PHRM 3110.
Development of pharmacy practice skills within the community pharmacy setting. Emphasis will be on prescription processing, communication skills, inventory management, third party insurance processing, student professional development, and time management.

PHRM 4520. Introductory Pharmacy Practice Experience II. 1 hour.
Corequisite: PHRM 4120.
Provision of population health and health outreach, focusing on how the public and patients utilize community health programs, health resources, and services.

PHRM 4530. Introductory Pharmacy Practice Experience III. 1 hour.
Corequisite: PHRM 4130.
Third in a five-course sequence of introductory practice experiences which focuses on provision of individualized health care (screening, physical assessment, wellness programs), exposure to medication administration and medication safety in institutional settings, competency in patient counseling, and participation in health-related service learning programs.

PHRM 4700. Statistical Approaches to Drug Literature Evaluation. 2 hours.
Prerequisite: PHRM 4120.
Basic statistical methods and analysis used to critically evaluate drug literature are discussed. Topics include statistical inference and hypothesis testing, selection of appropriate statistical tests, correlation and regression analysis, and research design. Students will apply these topics while evaluating published clinical trials, outcome studies, and materials from pharmaceutical manufacturers.
PHRM 4850, 4860. Disease Management I, II. 3 hours each.
Prerequisite for PHRM 4850, 4860: PHRM 3060 and PHRM 3460.
Corequisite for PHRM 4850: PHRM 4050, PHRM 4120, and PHRM 4410.
Corequisite for PHRM 4860: PHRM 4060, PHRM 4130, and PHRM 4420.
PHRM 4850 and PHRM 4860: Drug and non-drug treatment of diseases that occur in various human organ systems. The effect of a disease on the patient, non-drug therapy, and drugs used are covered.

PHRM 4900, 4950. Clinical Applications III, IV. 1 hour each.
Corequisite for PHRM 4900: PHRM 4050, PHRM 4410, and PHRM 4850.
Corequisite for PHRM 4950: PHRM 4060, PHRM 4130, PHRM 4420, and PHRM 4860. PHRM 4900 and PHRM 4950: Clinical applications of medicinal chemistry, pharmacology, and therapeutics. Case presentations and various off-site experiential assignments to develop students' pre-clerkship skills.

PHRM 5261. Clinical Pharmacokinetics. 2 hours.
Prerequisite: PHRM 4200 and PHRM 4211.
Application of pharmacokinetic prinicals to the dosing and therapeutic monitoring of drugs. Emphasis on pharmacokinetic changes in specific disease states and of specific drugs.

PHRM 5650. Pharmacy Care Management. 2 hours.
Prerequisite: Permission of department.
Presentation of management principles, organizational needs, accounting practices, entrepreneurial aspects, marketing needs, and associated topics for use in future pharmacy and health care system practice milieus. The analysis of management principles as they relate to community and health-systems management.

PHRM 5680. Pharmacy Law and Ethics. 2 hours.
Prerequisite: PHRM 3010 and Permission of department.
Laws and regulations that govern the practice of pharmacy, including those of patient care, professional conduct, business conduct, hospital practice, and the dispensing and provision of pharmaceuticals.

PHRM 5820. Self-Care and Nonprescription Medications. 3 hours.
Prerequisite: Permission of department.
Development of skills for patient counseling on the use of nonprescription medications and products related to self-care. Emphasis on patient consultation, product recommendation, triage, and verbal communication skills; topics in self-care and health maintenance.

PHRM 5860, 5870. Pharmacotherapy I, II. 4 hours each.
Prerequisite for PHRM 5860: PHRM 4180, PHRM 4850, and PHRM 4860.
Corequisite for PHRM 5860: PHRM 5140.
Prerequisite for PHRM 5870: PHRM 4180, PHRM 4190, PHRM 4850 and PHRM 4860.
PHRM 5860 and PHRM 5870: Pharmacotherapeutic principles and concepts applied to human disease states and conditions with emphasis on case-based problem solving.
PHRM 5901-5909. Required Pharmacy Clerkship I-IX. 5 hours each.
Prerequisite: PHRM 5150, PHRM 5650, PHRM 5680, PHRM 5820, PHRM 5870, PHRM 5920, and PHRM 5950.
Clinical practice in outpatient and inpatient settings with emphasis on pharmaceutical care.
These courses will meet for forty hours a week for five weeks (total of 200 contact hours) during the semester.

PHRM 5920. Clinical Seminar. 1 hour. Repeatable for maximum 4 hours credit.
Elements of an effective clinical presentation, including the use of slides, overheads, handouts, and other visual aids; methods of answering audience questions; steps to evaluate the presentation.

PHRM 5930. Pharmacotherapy Care Plans and Professional Development. 1 hour.
Repeatable for maximum 3 hours credit.
Prerequisite: PHRM 5150, PHRM 5261, PHRM 5650, PHRM 5680, PHRM 5820, PHRM 5870, PHRM 5920, and PHRM 5950.
Corequisite: PHRM 5901 or PHRM 5902 or PHRM 5903 or PHRM 5904 or PHRM 5905 or PHRM 5906 or PHRM 5907 or PHRM 5908 or PHRM 5909.
Capstone course (during last three semesters) for the advanced pharmacy experiences, including integration and utilization of student's knowledge of drug therapy and professional practice for patients with common disease states. Development of professional attitudes and behaviors through completion of professional development activities.

PHRM 5950. Advanced Drug Information and Drug Policy Management. 2 hours.
Prerequisite: PHRM 3940, PHRM 4700, and PHRM 5860.
Advanced concepts of drug information provision, including newsletter publication, ADR monitoring systems, drug usage evaluation, formulary management, and drug information retrieval and analysis.

Elective Courses

PHRM 5050. Abused Drugs. 3 hours.
The history, abuse, misuse, effects, and detection of selected drugs. Guest lecturers are invited to present their views on these subjects.

PHRM 5060. Oncology Therapeutics. 3 hours.
Prerequisite: Permission of department.
Cancer chemotherapeutic agents' use, toxicity, patient education, and treatment of the most prevalent oncologic problems.

PHRM 5080. Diabetes Disease Management. 3 hours.
Prerequisite: Permission of department.
Provision of diabetes education/management services to patients.

PHRM 5100. Nuclear Pharmacy. 2 hours.
Prerequisite: Permission of department.
Procedures and techniques involved in handling and use of radio isotopes in nuclear pharmacy practice.
PHRM 5180. Pharmacist’s Role in Addiction Management. 3 hours.
Prerequisite: Permission of department.
Topics in addiction pharmacy, including psychiatric medications, addiction treatment management medications, and pain management medications. In-depth discussions of pharmacotherapeutic approaches for the treatment of all psychiatric illnesses, acute and chronic pain syndromes, and behavioral/chemical dependencies.

PHRM 5250. Entrepreneurship for Pharmacists. 3 hours.
Prerequisite: Permission of department.
Current management and strategic issues in operating an independent pharmacy.

PHRM 5310. Advanced Topics in Cardiology. 2 hours.
Prerequisite: PHRM 4860
Use of drug therapy to treat patients with cardiovascular and cerebrovascular diseases. Emphasis on the pharmacotherapy used in treating diseases, treatment plans, patient counseling, and monitoring patient outcomes.

PHRM 5370. Critical Care Pharmacy. 1 hour.
Prerequisite: PHRM 4860
In-depth discussions of disease states most commonly encountered in critical care patients and the associated pharmacotherapeutic management of these conditions.

PHRM 5410. Clinical Pharmacy Topics. 1 hour.
Topics from Pharmacy Grand Rounds lectures, including specific areas in clinical pharmacy to more global issues in healthcare. Presenters include faculty, guest lecturers, and residents; students provide written analyses of each presentation.

PHRM 5450. Parenterals. 3 hours.
Preparation and therapeutic uses of parenteral medicinal agents use in institutional (hospital) practice and home health care settings.

PHRM 5460. Forensic Pharmacy. 2 hours.
Application of pharmacy to legal issues, including drug testing, analyzing adverse drug reactions for causation, evaluation of drug interactions, medication errors and drug effects as mitigating factors in criminal activity.

PHRM 5500. Community-Based Pharmacy Outreach. 3 hours.
Prerequisite: Permission of department.
A framework for implementing community-based programs in practice settings for health risk reduction. Emphasis will be placed on disease states and different target groups.

PHRM 5520. Cancer Awareness and Prevention. 3 hours.
Prerequisite: PHRM 4850.
Public health information on common cancers: breast, cervical, lung, prostate, testicular, leukemia/lymphoma, colon, and skin, focusing on information needed to identify high-risk patients and properly counsel patients on early warning signs and appropriate early diagnostic tests and procedures.
PHRM 5530. Ethics in Health Care. 2 hours.
A focus on the ethical issues and dilemmas facing health professionals in today's environment. Beliefs, human experimentation, professional responsibility, confidentiality, and conflicts of interest will be addressed to develop the critical thinking process important to the personal and professional resolution of ethical issues.

PHRM 5540. Public Health and the Health Professions. 2 hours.
Prerequisite: Permission of department.
Relationship between the public's health and the health professions, including the role of the health care professional in local, state, and national public health systems, the Healthy People 2010 program, interdisciplinary public health professional teams, and the health care professional's role in prevention programs.

PHRM 5550. Cases in Neurology. 2 hours.
Corequisite: PHRM 5860.
The use of drug therapy to treat patients with neurologic diseases, including the pharmacotherapy used in treating diseases, disorders or syndromes, and a review of the disorder, therapeutic goals, treatment plans, patient counseling and patient outcome monitoring.

INTERDEPARTMENTAL COURSES

Required Courses

PHRM 3100, 3110. Pharmacy Skills Laboratory I, II. 2 hours each.
Prerequisite for PHRM 3100 and PHRM 3110: Permission of department.
Corequisite for PHRM 3100: PHRM 3010 and PHRM 3450.
Corequisite for PHRM 3110: PHRM 3200 and PHRM 3460.
Development of skills and techniques necessary to render effective pharmaceutical care in a variety of settings, including prescription dispensing systems, medical charts, aseptic technique, human anatomy laboratory, and basics of physical assessment.

PHRM 4120, 4130. Pharmacy Skills Laboratory III, IV. 2 hours each.
Prerequisite for PHRM 4120: PHRM 3100 and PHRM 3110.
Corequisite for PHRM 4120: PHRM 4180, PHRM 4200, and PHRM 4850.
Corequisite for PHRM 4130: PHRM 4860.
Analysis, comprehension, and application of pharmaceutical product knowledge. Offered every year.

PHRM 4180. Drug Therapy of Infectious Disease. 3 hours.
Prerequisite: PHRM 3060.
Corequisite: PHRM 4120.
Chemistry, spectrum of activity, place in therapy, stability, incompatibilities, and toxicities of antibacterials, antivirals, and antibiotics.

PHRM 4190. Chemotherapy of Cancer. 2 hours.
Prerequisite: PHRM 3060.
Etiology, prevention, and treatment of cancer in man. Emphasis is on the mechanism, toxicity, and side effects of anticancer agents of various antineoplastic agents.
PHRM 5140, 5150. Pharmacy Skills Laboratory V, VI. 2 hours each.
Prerequisite for PHRM 5140: PHRM 4130.
Corequisite for PHRM 5140: PHRM 5860.
Prerequisite for PHRM 5150: PHRM 5140.
Creation and demonstration of individual dosage regimens designed by integrating patient presenting conditions and pharmacotherapeutic conditions.

Elective Courses

PHRM 5210. Special Topics in Pharmacy. 1-3 hours. Repeatable for maximum 12 hours credit.
Prerequisite: Permission of department.
Specialized pharmaceutical systems, processes and techniques, including assignment of current literature and student presentations.

PHRM 5480. Issues in Health Care Policy. 2 hours.
Prerequisite: PHRM 3750.
Key issues shaping health care policy and reform efforts in the United States. Course format focuses on active student participation through discussions, small group activities, and writing assignments.

PHRM 5980. Undergraduate Research Problem. 1-3 hours. Repeatable for maximum 12 hours credit.
Prerequisite: Permission of department.
An introduction to research methods. A problem will be assigned and the student will perform library and laboratory work and write up results.

Practice Experience

The experience program at the University of Georgia College of Pharmacy is designed to develop professional practice skills in a variety of patient care settings. It is divided into two components: introductory and advanced pharmacy practice experiences.

Introductory pharmacy practice experiences are administered either in stand alone courses or as part of existing courses offered during the first three years of pharmacy education. These experiences are designed to provide students with a better understanding of how pharmacy relates not only to patients but also to other health care disciplines.

Advanced pharmacy practice experiences (APPEs) comprise the final three semesters of the Doctor of Pharmacy program. A matching system is used during the third year to assign students to available APPE areas within Georgia. Space within these areas is limited and quotas will be set each year based upon available sites and class size. Students will be assigned to one area for the entire 4th year. Based upon University policy, we are prohibited from granting preference to students for area assignments. The only allowable exception is for those students moving to Augusta or Albany for their 3rd year coursework who choose to remain in those areas for their APPEs. Within the 4th year, students receive extensive training in various inpatient and outpatient settings. The majority of these experiences occur in teaching hospitals, community
hospitals, community pharmacies, home health settings, nursing homes, public health agencies, managed care companies, and the pharmaceutical industry. Students learn to design, implement, monitor, evaluate, and modify patient pharmacotherapeutic plans based upon scientific principles to ensure effective, safe, and economical patient care.

In order to be eligible to participate in the experience program activities, students must submit proof of the following: immunizations (MMR, TDaP, immunity for hepatitis B, varicella zoster immunization or immunity), ppd testing, a valid intern license, physical exam, CPR certification, professional liability insurance, and health insurance coverage. Some practice sites require students to obtain/undergo a criminal background check or drug screening prior to beginning an experience. Students not meeting the requirements of the background check and/or drug screen can be prohibited from completing an experience at that site, which could subsequently lead to a delay in student progression.

Students should be aware that these requirements are subject to change as alterations occur in the affiliation agreements with participating practice sites.

Possible advanced practice experiences in the fourth year include:

- Ambulatory Care
- Automation
- Cardiology
- Community Pharmacy Practice
- Compounding
- Consultant Pharmacy
- Critical Care/Operating Room
- Drug Information/Medication Utilization Evaluation
- Emergency Medicine
- Family Medicine
- Gastroenterology
- Geriatrics
- Home Health Care
- Hospital Pharmacy Practice
- Industry
- Infectious Disease
- Internal Medicine
- Managed Care
- Neurology
- Nuclear Pharmacy/Radiology
- Nutrition Support
- Obstetrics/Women’s Health
- Oncology
- Pediatrics/Neonatology
- Pharmacokinetics
- Pharmacy Administration
- Psychiatry
- Public Health
- Research

**Pharmacy Internship**

In order to become licensed to practice pharmacy in the state of Georgia, 1500 hours of internship must be earned as a pharmacy intern under the immediate supervision of a pharmacist. Credit for internship may be received only after a student has been licensed by the Georgia State Board of Pharmacy as a pharmacy intern. Application for a pharmacy intern license can only be made once a student has enrolled in a college of pharmacy. Students are encouraged to satisfy internship requirements during the summers. A total of 1000 hours of internship credit will be awarded for work performed while registered for academic credit in the Doctor of Pharmacy clerkships. An intern license is required for participation in all patient care experiences.
All pharmacy interns must contact the Joint Secretary, State Examining Boards, 237 Coliseum Drive, Macon, Georgia 31217-3858 (Phone: (478) 207-1686; Fax (478) 207-1699) in order to receive a license. Applications can be obtained from the Board of Pharmacy website at sos.georgia.gov/plb/pharmacy. The pharmacist supervising the intern also must notify the Joint Secretary that the intern is under his/her supervision.

PHARMACY SCHOLARSHIPS

Each year, the College of Pharmacy awards a number of scholarships to second, third, and fourth year students, including:

Albertson’s LLC Scholarship
Alpha Iota Alumni Chapter of Phi Delta Chi – Brian Eastmead Memorial Scholarship
Alumni Scholarship
Amerisource Bergen Corporation Scholarship
Howard C. Ansel Scholarship
BeneScript Scholarship
Pamela Beth Goldman Block Memorial Scholarship
Broadrick Family Endowed Student Scholarship
Chapman Family Endowed Scholarship
College of Pharmacy Faculty Scholarship
CVS Scholarship
Ashley and Jill R. Dukes Scholarship
Mike Ellington Memorial Scholarship
George W. Elrod Scholarship for Student Assistance
Heidi Flye Kroger Memorial Scholarship
Jim Furman Student Scholarship
Georgia Pharmacy Association Regina Baird Memorial Fellowship
Georgia Pharmacy Association Carlton Henderson Memorial Fellowship
Georgia Pharmacy Foundation Neil L. Pruitt, Sr. Scholarship
Georgia Society of Health-System Pharmacists Scholarship
Herbert W. Hatton Scholarship
Harvey’s Endowed Student Scholarship
I.Z. Harris Scholarship
Dione Mavis Johnston Scholarship of Excellence
Albert W. Jowdy Scholarship
Jun Family Achievement Scholarship
Kmart Scholarship
Robert E. Long Kroger Scholarship
Reagan Roland Lykins Memorial Scholarship
Alhaja Sekinat Mumuney Memorial Scholarship
National Association of Chain Drug Stores Foundation Pharmacy Partner Scholarship
Oh Family Scholarship
Wayne C. Olsen Memorial Scholarship
Pharmacists Mutual Scholarship
Publix Scholarship
Randolph Mercer Memorial Scholarship
Rite Aid Scholarship
J.M. Smith Foundation Scholarship
R.A. Thompson Alumni Memorial Scholarship
Walgreens Scholarship
Walgreens Diversity Scholarship
Wal-Mart Scholarship
Lee Webb Memorial Scholarship
M.W. Williamson Scholarship
R.C. Wilson Pharmaceutical Association Scholarship
Youngblood Scholarship

STUDENT ORGANIZATIONS

ACADEMY OF MANAGED CARE PHARMACY

The Academy of Managed Care Pharmacy (AMCP) is a professional association of pharmacists and associates who serve patients and the public through the promotion of wellness and rational drug therapy by the application of managed care principles. AMCP empowers their members to develop leadership, clinical, and business skills through varied opportunities at the local, regional, and national level.

ACADEMY OF STUDENT PHARMACISTS

The Academy of Student Pharmacists (ASP) is the UGA subdivision of the national Academy of Student Pharmacists, which is the national professional society of pharmacy students in the United States and an official subdivision of the American Pharmacists Association (APhA). ASP is the professional organization in which you have a voice that can be heard from local chapter meetings to state, regional, and national meetings.

AMERICAN SOCIETY OF CONSULTANT PHARMACISTS

The American Society of Consultant Pharmacists (ASCP) at UGA is a professional association that provides leadership, education, advocacy, and resources to advance the practice of consultant and senior care pharmacy. The mission of ASCP is to empower student pharmacists to enhance quality of care for all older persons through the appropriate use of medication and the promotion of health aging.
CHRISTIAN PHARMACISTS FELLOWSHIP INTERNATIONAL

The Christian Pharmacists Fellowship International (CPFI) is an interdenominational ministry of individuals working in all areas of pharmaceutical service and practice. The mission of CPFI is to bring about spiritual growth and the advancement of knowledge and ethics in the service and practice of pharmacy by providing the resources, tools, and expertise necessary to challenge, encourage, and promote the integration of Christian principles and standards within that practice.

DEAN’S STUDENT ADVISORY COUNCIL

The Dean’s Student Advisory Council (DSAC) serves as a resource for the Dean pertaining to the enhancement of the College of Pharmacy, its programs, and the profession of pharmacy. The president and vice president (or equivalent) of each of the student organizations in the College and two members from each professional year make up the membership of the DSAC.

GEORGIA SOCIETY OF HEALTH-SYSTEM PHARMACISTS

The UGA student chapter of the Georgia Society of Health-System Pharmacists (GSHP) serves as a forum to provide students with information on careers in hospital pharmacy and other organized health care delivery systems. Speakers from area hospitals discuss subjects related to institutional Pharmaceutical care and offer insight into specific areas of hospital pharmacy practice.

KAPPA PSI

Kappa Psi is a national pharmaceutical fraternity which had its beginning in 1879. Since that time, the brothers of Kappa Psi have formed a total of over 75 collegiate chapters and over 40 graduate chapters. At UGA, the Gamma Phi chapter was chartered in 1951 and became the forty-fourth collegiate chapter nationally.

LAMBDA KAPPA SIGMA

Lambda Kappa Sigma (LKS) is a progressive and growing international professional fraternity for pharmacy women. It is a vital and significant force among pharmacy women and has the distinction of being the oldest and largest pharmaceutical fraternity for women in the world. The Alpha Kappa chapter at UGA was established in 1958.

NATIONAL COMMUNITY PHARMACISTS ASSOCIATION

The National Community Pharmacists Association (NCPA) is a national group which represents the interests of independent pharmacy. It is the goal of our student chapter to educate the student body on the opportunities that independent pharmacy provides and enable them through networking and other activities to be able to take advantage of the opportunities available.
PHI DELTA CHI

Phi Delta Chi is a coed professional fraternity of pharmacy whose goals are to advance our chosen profession and to foster a feeling of brotherhood. Founded in 1883 at the University of Michigan, Phi Delta Chi was the first Greek letter organization established for members of pharmacy only. The UGA chapter, Alpha Iota, was founded in 1937.

PHI LAMBDA SIGMA

Phi Lambda Sigma, the Pharmacy Leadership Society, was founded in 1965 at Auburn University. The society is presently the only organization of its kind in existence. The Delta chapter of Phi Lambda Sigma was organized at UGA in 1974.

RHO CHI SOCIETY

The Rho Chi Society is the national pharmacy honor society that recognizes academic excellence of pharmacy students. Students must have completed at least four semesters in pharmacy and have a grade point average in the top 20% of their class. The Alpha Kappa chapter was founded at UGA in 1948.

STUDENT NATIONAL PHARMACEUTICAL ASSOCIATION

The Student National Pharmaceutical Association (SNPhA) is an educational and service organization dedicated to the pharmacy profession, professional development, and the full participation of a diverse student body in pharmacy and other health-related professions.

APPLICATION TIMELINE

Summer – Two administrations of the PCAT (see PCAT website, www.PCATweb.info, for application and exam dates, times, and locations)

Fall – Submit online application and transcripts; completed files will be considered for early interview dates. Fall PCAT administered in October.

January – Winter PCAT

February 1 – File completion date. All materials for which the student is responsible must have been received (e.g., online application, transcripts of all work completed through fall term, recommendations).

For more information, contact the Office of Student Affairs, College of Pharmacy, (706) 542-5278.
Contact Information

College of Pharmacy Admissions:
Office of Student Affairs
College of Pharmacy
The University of Georgia
Green Street
Athens, GA 30602
(706) 542-5278
Website: www.rx.uga.edu

University Housing:
Department of University Housing
The University of Georgia
Russell Hall
Athens, GA 30602
(706) 542-1421
Website: www.uga.edu/housing

Family and Graduate Housing:
Family and Graduate Housing Office
The University of Georgia
710 East Campus Road
Athens, GA 30602
(706) 542-1743
Website: www.uga.edu/housing

Student Account Payments:
Bursar’s Office
The University of Georgia
424 E. Broad St.
Athens, GA 30602
(706) 542-1625
Website: www.bursar.uga.edu

Scholarships and Loans:
Office of Student Financial Aid
The University of Georgia
Holmes/Hunter Academic Building
Athens, GA 30602
(706) 542-6147
Website: www.uga.edu/osfa

Undergraduate Admissions:
Office of Undergraduate Admissions
The University of Georgia
Terrell Hall
Athens, GA 30602
(706) 542-8776 Website: www.admissions.uga.edu