



THE UNIVERSITY OF GEORGIA
COLLEGE OF PHARMACY BULLETIN 2003-2005



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ACADEMIC CALENDAR 2003-2005

FALL SEMESTER

2003

Orientation	Friday, August 15
Classes Begin	Monday, August 18
Holiday	Monday, September 1
Midpoint of Semester	Tuesday, October 14
Fall Break	Thursday & Friday, October 30-31
12-week Courses End	Monday, November 10
Final Exams, 12-week Courses	Wednesday-Friday, November 12-14
Thanksgiving Break	Wednesday-Friday, November 26-28
Classes End	Monday, December 8
Final Exams	Thursday-Tuesday, December 11-16

2004

Orientation	Wednesday, August 18
Classes Begin	Thursday, August 19
Holiday	Monday, September 6
Midpoint of Semester	Tuesday, October 12
Fall Break	Thursday & Friday, October 28-29
12-week Courses End	Friday, November 12
Final Exams, 12-week Courses	Monday-Wednesday, November 12-14
Thanksgiving Break	Wednesday-Friday, November 24-26
Classes End	Thursday, December 9
Final Exams	Monday-Friday, December 13-17

SPRING SEMESTER

2004

Classes Begin	Thursday, January 8
Holiday	Monday, January 19
Midpoint of Semester	Friday, March 5
Spring Break	Monday-Friday, March 8-12
12-week Courses End	Friday, April 2
Final Exams, 12-week Courses	Monday, Wednesday-Thursday, April 5, 7-8
Classes End	Friday, April 30
Final Exams	Monday-Friday, May 3-7
UGA Commencement	Saturday, May 8

2005

Classes Begin	Monday, January 10
Holiday	Monday, January 17
Midpoint of Semester	Thursday, March 3
Spring Break	Monday-Friday, March 14-18
12-week Courses End	Friday, April 8
Final Exams, 12-week Courses	Monday-Wednesday, April 11-13
Classes End	Monday, May 2
Final Exams	Wednesday-Tuesday, May 4-6, 9-10
UGA Commencement	Saturday, May 14

This calendar is correct as of the date of this publication, but may be subject to change during the next year. 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.

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 the Dean at (706) 542 - 5278.

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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
 Delmer D. Dunn, Vice President for Instruction and Associate
 Provost, ddunn@uga.edu, (706) 583 - 0690
 Svein Øie, Dean, College of Pharmacy, soie@mail.rx.uga.edu,
 (706) 542 - 1914

GENERAL INFORMATION

The City of Athens with its 60,000 residents and metropolitan population of more than 100,000, is situated in rolling Piedmont country. Athens offers concerts, films and plays. Atlanta, 70 miles southwest of Athens, has musical and theatrical events plus major league sports. Only a few hours away are major recreational areas, such as the seashore, the Great Smoky Mountains, the Okefenokee Swamp, and three national forests containing numerous lakes and hiking trails. The climate is moderate with a daily mean temperature range from 35 to 65 degrees in January and from 68 to 90 degrees in July.

COLLEGE OF PHARMACY HISTORY

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.

PROGRAM OF STUDY

The College of Pharmacy offers the Doctor of Pharmacy degree to students who successfully complete the six-year study of prescribed courses. The first two years (pre-pharmacy) may be completed at any accredited institution of higher education. The last four years (nine semesters) are in the professional program and must be in residence at the College of Pharmacy. At least four years of study in the professional program are required by the American Council on Pharmaceutical Education.

HOURS

In order to receive the Doctor of Pharmacy degree from the College of Pharmacy, a student must have earned academic credit for not less than 60 semester hours (exclusive of physical education) in pre-pharmacy course work and 146 semester hours of required professional course work.

ACCREDITATION

References to accredited programs shall state only the following: "Name of institution's program(s) is accredited by the American Council on Pharmaceutical Education, 20 North Clark Street, Suite 2500, Chicago, IL 60602-5109, 312/664-3575, FAX, 312/664-4652."

ADMISSION TO THE PROFESSIONAL PROGRAM

To be admitted to the professional program in the College of Pharmacy, a student must complete pre-pharmacy requirements. At the University of Georgia, the pre-pharmacy program is administered through the College of Arts and Sciences. The two years of pre-pharmacy education require satisfactory completion of not less than 60 semester hours of academic work counting toward the pharmacy degree. In addition, students must meet the general requirements for physical education.

Applicants to the professional program must take the Pharmacy College Admission Test (PCAT). The fall offering date is the preferred time. In addition to the applicant's grade point average, the selection process will utilize the PCAT scores, 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 work taken should accompany the application. Students may apply to the College of Pharmacy when

they have completed three semesters of academic work. Applicants who are accepted but do not attend for the accepted term must repeat the admission process for a future date.

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.

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 one semester expenses.

Total Resident Fees	\$3550.00
Total Non-Resident Fees	\$11765.00
Residence Halls	\$1491.00-\$2051.00
Meals	\$1096.00-\$1197.00
Books	\$550.00
Lab Clothing and Equipment	\$80.00

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 catalog 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 scholarships and loans are handled through The University of Georgia Financial Aid Office. The office is open year-round (with the exception of 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)542-3476 or visit the UGA Website at www.uga.edu/osfa/.

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 course work) under the HOPE guidelines. Specific questions regarding eligibility for the HOPE Scholarship should be directed to The University of Georgia Student Financial Aid Office.

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, making the College of Pharmacy 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 established 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 Øie of the University of California San Francisco became Dean on January 1, 2000. Under his guidance, the College has expanded its regional presence, increased its scope of clinical activities, augmented the clinical faculty, established a residency program, and moved toward a stronger interdisciplinary approach of its research endeavors.

REGENTS TEST

All undergraduate students enrolled in the University, with the exception of those persons holding a baccalaureate or higher degree from a regionally accredited institute of higher education, must take and pass the Regents Test as a requirement for graduation. Transfer students with 30 or more hours of credit, who have not already passed the test, should take it in their first semester of enrollment in the University.

Students who fail the Regents Test in full or in part must take RGTR 0198 (remedial reading), RGTE 0198 (remedial writing) or both depending on which part(s) is(are) not satisfied. Upon receiving a satisfactory grade in this remediation, the student must then re-take the part(s) of the test not passed. If the student again fails the test, the procedure is repeated until the test is passed. (See UGA Bulletin or visit the University website at www.uga.edu.)

EXAMINATIONS ON U.S. AND GEORGIA HISTORY

All persons receiving an undergraduate degree from the University of Georgia are required to pass an examination on the history of the United States and Georgia unless exempted by one of the following history courses: HIST 2111, 2112, 2111H, 2112H, 3080, or 4100. Transfer students may satisfy this requirement by passing any 3 semester hour American History course. Examinations are given to freshmen during orientation and once each semester for upper classmen. Dates of the examination are given in the class schedule (OASIS). Students must register for the examination at the Office of Counseling and Testing, Clark Howell Hall. Students who fail the examination may be reexamined.

PRE-PHARMACY CURRICULUM

For specific course descriptions and prerequisites, see University of Georgia [Undergraduate Bulletin](#) or visit the UGA Website at www.bulletin.uga.edu.

AREA A- Essential Skills (9 hours)

Area A is satisfied by students completing nine semester hours from the following list:

		HOURS
ENGL 1101	English Composition I	3
ENGL 1102	English Composition II	3
MATH 1113	Precalculus	3

AREA B - Institutional Options (4-5 hours)

Area B is satisfied by electives selected by the student with approval of an academic advisor. The College of Pharmacy has no prescribed courses in this area. Requirements can be met by fulfilling requirements in Areas A, C, D, and E.

AREA C- Humanities/Fine Arts (6 hours)

Preferred course:

SPCM 1100	Communication in Human Society <u>or</u>	
SPCM 1500	Introduction to Interpersonal Communication	3

Area C is satisfied by completing two courses. In addition to SPCM 1100 or 1500, students may select either a humanities or fine arts course from a list of courses that can be found in the [UGA Bulletin](#) or UGA website at www.uga.edu.

AREA D - Science, Mathematics, and Technology (12 hours)

Area D is satisfied by selecting two sequenced science courses with laboratories plus one four-hour mathematics course.

Preferred science courses:

CHEM 1211	Freshman Chemistry I	3
CHEM 1211L	Freshman Chemistry I Lab	1
CHEM 1212	Freshman Chemistry II	3
CHEM 1212L	Freshman Chemistry II Lab	1

Preferred mathematics/technology course:

MATH 2200-2200L	Analytic Geometry & Calculus	4
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AREA E - Social Sciences (12 hours)

Preferred courses:

HOURS

ECON 2105	Principles of Macroeconomics <u>or</u>	
ECON 2106	Principles of Microeconomics	3

Students who have not met the Georgia and U.S. Constitution requirement by examination will enroll in POLS 1101. Students who have not met the Georgia and U.S. History requirement by examination will enroll in one course from the following: HIST 2111, HIST 2112, HIST 2050H.

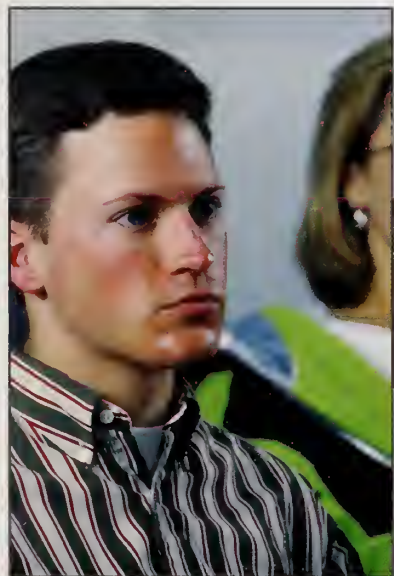
For a list of other Social Sciences electives, refer to the UGA Bulletin or the UGA website at www.bulletin.uga.edu.

AREA F- Courses Related to Major (20 hours)

Area F is satisfied by satisfactorily completing all of the following courses:

CHEM 2211	Modern Organic Chemistry I	3
CHEM 2211L	Modern Organic Chemistry Laboratory I	1
CHEM 2212	Modern Organic Chemistry II	3
CHEM 2212L	Modern Organic Chemistry Laboratory II	1
BIOL 1107-1107L	Principles of Biology I	4
BIOL 1108-1108L	Principles of Biology II	4
STAT 2000	Elementary Statistics	4

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 web site at www.sos.ga.us/plb/pharmacy. The pharmacist supervising the intern must also notify the joint secretary that the intern is under his/her supervision.

APPLICATION GUIDELINES

1. Applicants must submit a completed application by **February 1** (but can submit any time before February 1). The earlier the application is submitted, the sooner it will be processed. The application can be downloaded from the Web (www.rx.uga.edu).

2. At least two recommendations are required for each applicant. A reference form is provided in the admissions packet or can be downloaded from the College's Web site (www.rx.uga.edu). One recommender should be a pre-pharmacy advisor or someone familiar with the applicant's educational background; the other should be a health care professional, preferably a pharmacist. Applicants may submit additional recommendations by photocopying a blank reference form or printing additional copies from the Web page.

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 Fall test date is preferred so that students have the opportunity to re-take 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 of Pharmacy Admissions Office.

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/entrepreneurial experiences. Verbal and written communication skills will also be evaluated by the committee.

THE COLLEGE OF PHARMACY FACULTY

OFFICERS OF ADMINISTRATION

Olie, Svein, Ph.D., Professor and Dean
 Francisco, George E., Jr., Pharm.D., Associate Professor, Associate Dean
 DiPiro, Joseph T., Pharm.D., Professor, Assistant Dean
 Duke, Kenneth M., M.B.A., Clinical Assistant Professor, Assistant to the Dean
 Duke, Lori A., Pharm.D., Clinical Assistant Professor, Assistant Dean for
 Experience Programs
 Thomas, Patricia C., B.S., Clinical Assistant Professor, Assistant to the Dean
 Warren, Flynn W., M.S., Clinical Professor, Assistant Dean for Student Affairs

PHARMACEUTICAL AND BIOMEDICAL SCIENCES

Nair, Vasu, Ph.D., Professor and Department Head
 Bartlett, Michael G., Ph.D., Associate Professor
 Beach, J. Warren, Ph.D., Associate Professor
 Bruckner, James V., Ph.D., Professor
 Burre, O. Rebecca, Ph.D., Associate Professor
 Capomacchia, Anthony G., Ph.D., Associate Professor, Graduate
 Coordinator
 Chu, Chung K., Ph.D., Professor
 Cummings, Brian, Ph.D., Assistant Professor
 Dallas, Cham E., Ph.D., Professor, Director, Interdisciplinary
 Toxicology Program
 Feldman, Stuart, Ph.D., Professor
 Greenspan, Phillip, Ph.D., Associate Professor
 Hartle, Diane K., Ph.D., Associate Professor
 Hurrian, W. Ben, Ph.D., Associate Professor
 Jun, H. Won, Ph.D., Professor
 Lu, D. Robert, Ph.D., Associate Professor
 Momany, Cory, Ph.D., Assistant Professor
 Price, James G., Ph.D., Professor
 Reagle, Thomas C., Ph.D., Associate Professor
 Strong, Deborah, B.S., Clinical Assistant Professor
 Taylor, E. Will, Ph.D., Professor
 White, Catherine A., Ph.D., Associate Professor

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

PHRM 3010 Introduction to Pharmacy	3
PHRM 3100 Pharmacy Skills Lab I	2
PHRM 3400 Anatomy and Physiology I	3
PHRM 3470 Pathophysiology I	3
PHRM 3050 Biochemical Basis of Disease I	2
PHRM 3800 Clinical Applications I	1
PHRM 3940 Survey of Drug Information	1
PHRM 3900 Pharmacy Intercommunications	<u>2</u>
	17

Spring Semester

PHRM 3200 Quantitative Methods in Pharmacy	2
PHRM 3110 Pharmacy Skills Lab II	2
PHRM 3410 Anatomy and Physiology II	3
PHRM 3480 Pathophysiology II	3
PHRM 3060 Biochemical Basis of Disease II	2
PHRM 3750 Pharmacy & the U.S. Health Care System	3
PHRM 3850 Clinical Applications II	1
PHRM 4800 Pharmacy Seminar	<u>1</u>
	17

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

PHRM 4050 Principles of Medicinal Chemistry I	2
PHRM 4120 Pharmacy Skills Lab III	2
PHRM 4180 Drug Therapy of Infectious Disease	3
PHRM 4200 Principles of Pharmaceutics I	2
PHRM 4410 Pharmacology I	3
PHRM 4850 Disease Management I	3
PHRM 4900 Clinical Applications II	1
Elective	<u>2</u>
	18

Spring Semester

PHRM 4060 Principles of Medicinal Chemistry II	2
PHRM 4130 Pharmacy Skills Lab IV	2
PHRM 4190 Chemotherapy of Cancer	2
PHRM 4210 Principles of Pharmaceutics II	2
PHRM 4420 Pharmacology II	3
PHRM 4860 Disease Management II	3
PHRM 4950 Clinical Applications IV	1
PHRM 3210 Pharm Statistics and Drug Inform	<u>2</u>
	17

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

PHRM 5140 Pharmacy Skills Lab V	2
PHRM 5260 Clinical Pharmacokinetics I	4
PHRM 5820 Self-Care & Nonprescription Drugs	3
PHRM 5860 Pharmacotherapy I	4
PHRM 5920 Clinical Seminar	1
Electives	<u>5</u>
	19

Spring Semester

PHRM 5150 Pharmacy Skills Lab VI	2
PHRM 5650 Pharmacy Care Management	2
PHRM 5870 Pharmacotherapy II	4
PHRM 5920 Clinical Seminar	1
PHRM 5680 Pharmacy Law & Ethics	2
PHRM 5950 Advanced Drug Information & Drug Policy Management	2
Electives	<u>5</u>
	17

FOURTH PROFESSIONAL YEAR

Full time clerkship rotations in institutional, community, and other patient care settings.

Summer Semester

PHRM 5901 Required Pharmacy Clerkship	5
PHRM 5902 Required Pharmacy Clerkship	<u>5</u>
	10

Fall Semester

PHRM 5903 Required Pharmacy Clerkship	5
PHRM 5904 Required Pharmacy Clerkship	5
PHRM 5905 Required Pharmacy Clerkship	<u>5</u>
	15

Spring Semester

PHRM 5906 Required Pharmacy Clerkship	5
PHRM 5907 Required Pharmacy Clerkship	5
PHRM 5908 Required Pharmacy Clerkship	<u>5</u>
	15



CLINICAL AND ADMINISTRATIVE PHARMACY

DiPro, Joseph T., Pharm.D., Professor, Department Head
 Anderson, Douglas, Pharm.D., Clinical Associate Professor
 Aull, Larry, Pharm.D., M.Ed., Clinical Assistant Professor
 Callison, Brock, Pharm.D., Clinical Assistant Professor
 Chisholm, Marie A., Pharm.D., Associate Professor
 Cobb, Henry H. III, Ph.D., Clinical Associate Professor
 Cook, Christopher, Pharm.D., Ph.D., Clinical Assistant Professor
 Duke, Kenneth Martin, M.B.A., Clinical Assistant Professor
 Ergul, Adyve, M.D., Ph.D., Assistant Professor
 Fagan, Susan, Pharm. D., Professor
 Franc, Duska, Pharm.D., Ph.D., Assistant Professor
 Galen, Robert, M.D., M.P.H., Clinical Professor
 Herist, Keith, Pharm.D., C.P. A., Clinical Assistant Professor
 Johnson, J. Thomas, Pharm.D., Clinical Assistant Professor
 Kennedy, Klugh, Pharm.D., Clinical Assistant Professor
 Langford, R. Alan, Academic Professional, Clinical Associate Professor
 Martin, Bradley C., Pharm.D., Ph.D., Associate Professor
 May, J. Russell, Pharm.D., Adjunct Associate Professor
 McCall, Charles Y., Pharm.D., Associate Professor
 McCombs, Janet, Pharm.D., Clinical Assistant Professor
 McElhannon, Michelle, Pharm.D., Clinical Assistant Professor
 Miller, Mindi, Pharm.D., Clinical Assistant Professor
 Perri, Matthew III, Ph.D., Professor
 Sheffield, Melody, Pharm.D., Clinical Assistant Professor
 Spruill, William J., Pharm.D., Associate Professor
 Tackett, Randall L., Ph.D., Professor
 Taylor, A. Thomas, Pharm.D., Associate Professor
 Terry, Alvin V., Jr., Ph.D., Associate Professor
 Thomas, Patricia C., B.S., Clinical Assistant Professor, Assistant to the Dean
 Wade, William E., Pharm.D., Professor
 Warren, Flynn W., M.S., Clinical Professor, Assistant Dean for Student Affairs

POSTGRADUATE CONTINUING EDUCATION AND OUTREACH

Brooks, Paul J., Pharm. D., Public Service Associate, Director of Postgraduate Continuing Education and Outreach
 Gammill, Charles Goodrich, Ed.D., Senior Public Service Associate, Associate Director of Postgraduate Continuing Education
 Leffert, Pam, Pharm.D., Public Service Assistant, Coordinator of Nontraditional Doctor of Pharmacy and Certificate Programs
 McDuffie, Charles, Pharm.D., Public Service Assistant, Coordinator of Experience Programs and NonTraditional Programs
 Smith, Jayne L., M.S., Public Service Associate, Assistant Director of Distance Learning

PHARMACY SCHOLARSHIPS

Each year, the College of Pharmacy awards a number of scholarships to second, third, and fourth year students. Information about these scholarships is made available during the fall semester of the student's first professional year. They include:

Alpha Iota Alumni Chapter of Phi Delta Chi – Brian Eastmead Memorial Scholarship

Alumni Scholarship

AmerisourceBergen Corporation Scholarship

Howard C. Ansel Scholarship

Augusta Area Pharmaceutical Association Scholarship

Pamela Beth Goldman Block Memorial Scholarship

College of Pharmacy Faculty Scholarship

CVS Scholarship

CVS/McNeil Consumer Healthcare Scholarship

Georgia Pharmacy Association Regina Baird Memorial Fellowship

Georgia Pharmacy Association Carlton Henderson Fellowship

Georgia Society of Health-System Pharmacists Scholarship

I.Z. Harris Scholarship

Dione Mavis Johnson Scholarship

Albert W. Jowdy Scholarship

Kroger Scholarship

Heidi Flye Kroger Memorial Scholarship

Robert E. Long Kroger Scholarship

Reagan Roland Lykins Memorial Scholarship

Alhaja Sekinat Mumuney Memorial Scholarship

Randolph-Mercer Memorial Scholarship

Rite Aid Scholarship

J.M. Smith Foundation Scholarship

R.A. Thompson Alumni Memorial Scholarship

Walgreens Scholarships

Jerry L. Walker Scholarship

Wal-Mart Scholarship

Kenneth M. Ward Memorial Scholarship

Lee Webb Memorial Scholarship

M.W. Williamson Scholarship

R.C. Wilson Pharmaceutical Association Scholarship

James L. Youngblood Scholarship

COURSE DESCRIPTIONS

The curriculum includes professional courses, which are numbered 3000-5999.

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 3400, 3470.

Prerequisite for PHRM 3060: PHRM 3050.

Corequisite for PHRM 3060: PHRM 3410, 3480.

PHRM 3050: Chemical factors affecting bioactivity of drugs, role of enzymes in biochemistry and disease, metabolism of biochemicals and drugs, maintenance of acid/base balance.

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.

BARTLETT AND MOMANY

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.

BEACH

PHRM 3400, 3410. Anatomy and Physiology I, II. 3 hours each.

Prerequisite for PHRM 3400: Permission of department.

Corequisite for PHRM 3400: PHRM 3050, 3100, 3470.

Prerequisite for PHRM 3410: PHRM 3400.

Corequisite for PHRM 3410: PHRM 3060, 3110, 3480.

PHRM 3400: Anatomy and physiology of the human body with emphasis on the central nervous system, autonomic nervous system, cardiovascular and renal systems. PHRM 3410: Human anatomy and physiology with emphasis on the immune, endocrine, gastrointestinal and respiratory systems.

HARTLE, DIPIRO, GREENSPAN, LANGFORD AND STAFF



PHRM 3470, 3480. Pathophysiology I, II. 3 hours each.

Prerequisite for PHRM 3470: Permission of department.

Corequisite for PHRM 3470: PHRM 3050, 3400.

Prerequisite for PHRM 3480: PHRM 3470.

Corequisite for PHRM 3480: PHRM 3060, 3410.

PHRM 3470: Fundamental mechanisms of human disease process, including manifestation, diagnosis and treatment.

Emphasis on central nervous system, musculoskeletal, oncological, neurological, dermatological, and

gastrointestinal diseases. PHRM 3480: The human disease process including manifestations, diagnosis, and

treatment of endocrine, metabolic immunological, cardiovascular, renal, hepatic, and respiratory diseases.

BUNCE, WADE, DIPIRO, AND STAFF

PHRM 4050/6050, 4060/6060 Principles of Medicinal Chemistry I, II. 2 hours each.

Undergraduate prerequisite for PHRM 4050/6050: PHRM 3060 or permission of department.

Undergraduate corequisite for PHRM 4050/6050: PHRM 4410, 4850.

Undergraduate prerequisite for PHRM 4060/6060: PHRM 3060 or PHRM 4050/6050.

Undergraduate corequisite for PHRM 4060/6060: PHRM 4420, 4860

PHRM 4050/6050: 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 4060/6060: Central nervous system drugs, including their physio-chemical properties, structure-activity relationships and toxicities, side effects, and drug interactions.

BEACH, TAYLOR, W., AND STAFF

PHRM 4200, 4210. Principles of Pharmaceutics I, II. 2 hours each.

Prerequisite for PHRM 4200: PHRM 3200.

Corequisite for PHRM 4200: PHRM 4120.

Prerequisite for PHRM 4210: PHRM 4200.

Corequisite for PHRM 4210: PHRM 4130.

PHRM 4200: Biopharmaceutics and physical pharmacy as they are related to the formulation design, quality evaluation, bioavailability, and shelf-life of drugs in pharmaceutical dosage forms. PHRM 4210: Principles of drug delivery systems and dosage form design, formulation, storage, and utilization.

CAPOMACCHIA, JUN, LU, PRICE

PHRM 4410/6410, 4420/6420. Pharmacology I, II. 3 hours each.

Prerequisite for PHRM 4410: PHRM 3060, 3410, 3480.

Corequisite for PHRM 4410: PHRM 4050/6050, 4850.

Prerequisite for PHRM 4420: PHRM 4410.

Corequisite for PHRM 4420: PHRM 4060/6060, 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.

HARTLE, GREENSPAN, AND ITURRIAN

Elective Courses

PHRM 5020/7020-5020L/7020L, Drug Design and Molecular Modeling. 2 hours.

Interrelated topics of computer-assisted drug design and molecular modeling, including an introduction to applied aspects of molecular graphics and modeling.

TAYLOR, W.

STUDENT ORGANIZATIONS

ACADEMY OF STUDENTS OF PHARMACY

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

CHRISTIAN PHARMACISTS FELLOWSHIP INTERNATIONAL

The Christian Pharmacists Fellowship International is an interdenominational ministry of individuals working in all areas of pharmaceutical service and practice. The mission of CPFJ 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 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 DSAC. Meetings are held twice during each semester.

GEORGIA SOCIETY OF HEALTH-SYSTEM PHARMACISTS

The UGA Student Chapter of the Georgia Society of Health-System Pharmacists serves as a forum to provide students with information on careers in hospital pharmacy and other organized health care delivery systems.

KAPPA PSI

Kappa Psi is a national pharmaceutical fraternity that had its beginning in 1879. During the past 104 years, the brothers of Kappa Psi have formed a total of 60 collegiate chapters and 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 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.

NATIONAL COMMUNITY PHARMACISTS ASSOCIATION

The NCPA student chapter of the National Community Pharmacists Association 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.

PHRM 5350. Disaster Training for Health Care Professionals. 3 hours.

Basic first aid and disaster relief training for future pharmacists and other health care professionals; first responders training and mock simulations for weapons of destruction events. WHITE AND DALLAS

PHRM 5440/7440. 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.

HARTLE

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, collecting and utilizing patient information, developing solutions to patients' drug related problems, selecting and recommending therapies and appropriate follow-up to assess 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.

The United States health care system, drug development and distribution, and the pharmacist's roles in the system. Development of basic medication dispensing skills.

WARREN

PHRM 3750. Pharmacy and the U.S. Health Care System. 3 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.

FRANIC

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.

PERRI

PHRM 3940. Survey of Drug Information. 1 hour.

Prerequisite: Permission of department.

Corequisite: PHRM 3110.

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.

McCOMBS

PHRM 3210. Statistics for Pharmacy Majors. 1 hour.
Prerequisite: First year pharmacy student
Descriptive and basic inferential statistics and issues surrounding the design of biomedical investigations.
MARTIN AND MAY

PHRM 4850, 4860. Disease Management I, II. 3 hours each.
Prerequisite for PHRM 4850, 4860: PHRM 3060, 3410, 3480.
Corequisite for PHRM 4850: PHRM 4050/6050, 4120, 4410.
Corequisite for PHRM 4860: PHRM 4060/6060, 4130, 4420.
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.
CHISHOLM, COBB, SPRUILL, AND WARREN

PHRM 5650. Pharmacy Care Management. 2 hours.
Discussion and analysis of management principles in relation to community and hospital pharmacy management, including planning, organizing, motivation, controlling, and marketing.
STAFF

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.
WARREN

PHRM 5800. Externship in Pharmacy. 4 hours. Repeatable for maximum 16 hours credit. 160 hours lab per week.
Prerequisite: PHRM 5260/7260 and PHRM 5650 and PHRM 5680 and PHRM 5820.
Experiential training in various off-campus sites, including community, hospital, and clinical pharmacy practice settings.
Non-traditional format: This course will meet for forty hours a week for one month during the semester.
DUKE, L. AND STAFF

PHRM 5820. Self-Care & Nonprescription Medications. 3 hours.
Prerequisite: Permission of department.
Corequisite: PHRM 5140.
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 communications skills; topics in self-care and health maintenance.
McCOMBS, LANGFORD AND STAFF

PHRM 5860, 5870. Pharmacotherapy I, II. 4 hours each.
Prerequisites for PHRM 5860: PHRM 4180/6180 and PHRM 4190/6190 and PHRM 4850 and PHRM 4860.
Corequisite for PHRM 5860: PHRM 5140
Prerequisites for PHRM 5870: PHRM 4180/6180 and PHRM 4190/6190 and PHRM 4850 and PHRM 4860.
Pharmacotherapeutic principles and concepts applied to human disease states and conditions with emphasis on case-based problem solving.
TAYLOR, T., McCALL, AND STAFF



PHI DELTA CHI

Phi Delta Chi is a co-ed 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 was founded in 1937 and has initiated almost 600 men and women into its brotherhood.

PHI LAMBDA SIGMA

Phi Lambda Sigma, the Pharmacy Leadership Society, was founded in 1965 at Auburn University. The national headquarters is located at Auburn. The society is presently the only organization of its kind in existence. In 1974, the Delta Chapter of Phi Lambda Sigma was organized at the University of Georgia.

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 of the Rho Chi Society was founded at the University of Georgia in 1948.

STUDENT NATIONAL PHARMACEUTICAL ASSOCIATION

The Student National Pharmaceutical Association (SNPhA) is an educational and service association of students who are concerned about pharmacy issues, professional development, and minority representation in pharmacy and other health-related professions.

PRACTICE EXPERIENCE

The practice experience program is designed to develop professional practice skills in a variety of patient care settings. The practice experience program is divided into two components: early and advanced pharmacy practice experiences.

Early practice experiences are incorporated into existing courses offered during the first two years of pharmacy education. These experiences utilize a multi-disciplinary approach to teach students about the practice of pharmacy, the U.S. health care system, and appropriate communication techniques. These experiences should provide students with a better understanding of how pharmacy relates not only to patients but also to other health care disciplines. Students will gain experience through a variety of pharmacy practice settings and home care visits.

Advanced pharmacy practice experiences comprise the final three semesters of the professional program. Students enrolled in the Doctor of Pharmacy curriculum receive extensive training in various inpatient and outpatient settings. The majority of these experiences occur in teaching institutions, community hospitals, home health settings, nursing homes, public health

agencies, managed care companies, and the pharmaceutical industry. Patient care experiences concentrate on the provision of pharmaceutical care to patients. Students learn to design, implement, monitor, evaluate, and modify patient pharmacotherapy based upon scientific principles to ensure effective, safe, and economical patient care. Principles learned during these experiences place direct professional responsibility on pharmacists for the outcomes of patients' drug therapy.

The College of Pharmacy utilizes experiential sites throughout the state, including those in close proximity to Atlanta, Augusta, Savannah, Albany and Columbus. These sites have been approved by the faculty and are deemed to be the most suitable for the desired experience and training. As part of the practice experience program, students may be required to participate in educational programs outside of Athens. Some students elect to do a portion of their training with the U.S. Public Health Service in Alaska, New Mexico or other approved locations.

PHRM 5901. Required Pharmacy Clerkship I. 5 hours. 40 hours lab per week.

Prerequisites: PHRM 5150, 5270/7270, 5650, 5680, 5820, 5840, 5870, 5920, 5950.

Clinical practice in outpatient and inpatient settings with emphasis on pharmaceutical care.

Non-traditional format: These courses will meet for forty hours a week for five weeks (total of 200 contact hours) during the semester.

DUKE, L. AND STAFF

PHRM 5902. Required Pharmacy Clerkship II. 5 hours. 40 hours lab per week.

Prerequisites: PHRM 5150, 5270/7270, 5650, 5680, 5820, 5840, 5870, 5920, 5950.

Clinical practice in outpatient and inpatient settings with emphasis on pharmaceutical care.

Non-traditional format: These courses will meet for forty hours a week for five weeks (total of 200 contact hours) during the semester.

DUKE, L. AND STAFF

PHRM 5903. Required Pharmacy Clerkship III. 5 hours. 40 hours lab per week.

Prerequisites: PHRM 5150, 5270/7270, 5650, 5680, 5820, 5840, 5870, 5920, 5950.

Clinical practice in outpatient and inpatient settings with emphasis on pharmaceutical care.

Non-traditional format: These courses will meet for forty hours a week for five weeks (total of 200 contact hours) during the semester.

DUKE, L. AND STAFF

PHRM 5904. Required Pharmacy Clerkship IV. 5 hours. 40 hours lab per week.

Prerequisites: PHRM 5150, 5270/7270, 5650, 5680, 5820, 5840, 5870, 5920, 5950.

Clinical practice in outpatient and inpatient settings with emphasis on pharmaceutical care.

Non-traditional format: These courses will meet for forty hours a week for five weeks (total of 200 contact hours) during the semester.

DUKE, L. AND STAFF

PHRM 5905. Required Pharmacy Clerkship V. 5 hours. 40 hours lab per week.

Prerequisites: PHRM 5150, 5270/7270, 5650, 5680, 5820, 5840, 5870, 5920, 5950.

Clinical practice in outpatient and inpatient settings with emphasis on pharmaceutical care.

Non-traditional format: These courses will meet for forty hours a week for five weeks (total of 200 contact hours) during the semester.

DUKE, L. AND STAFF

PHRM 5906. Required Pharmacy Clerkship VI. 4 hours. 160 hours lab per week.

Prerequisites: PHRM 5150, 5270/7270, 5650, 5680, 5820, 5840, 5870, 5920, 5950.

Clinical practice in outpatient and inpatient settings with emphasis on pharmaceutical care.

Non-traditional format: These courses will meet for forty hours a week for one month during the semester.

DUKE, L. AND STAFF

PHRM 5907. Required Pharmacy Clerkship VII. 4 hours. 160 hours lab per week.

Prerequisites: PHRM 5150, 5270/7270, 5650, 5680, 5820, 5840, 5870, 5920, 5950.

Clinical practice in outpatient and inpatient settings with emphasis on pharmaceutical care.

Non-traditional format: These courses will meet for forty hours a week for one month during the semester.

DUKE, L. AND STAFF

PHRM 5908. Required Pharmacy Clerkship VIII. 4 hours, 160 hours lab per week.
Prerequisites: PHRM 5150, 5270/7270, 5650, 5680, 5820, 5840, 5870, 5920, 5950.
Clinical practice in outpatient and inpatient settings with emphasis on pharmaceutical care.
Non-traditional format: These courses will meet for forty hours a week for one month during the semester.
DUKE, L. AND STAFF

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.
COOPER, MCCALL AND STAFF

PHRM 5950. Advanced Drug Information and Drug Policy Management. 3 hours.
Prerequisite: PHRM 3940, 5860.
Advanced concepts of drug information provision including newsletter publication, ADR monitoring systems, drug usage evaluation, formulary management, drug literature evaluation, and drug information retrieval and analysis.
MAY

Elective Courses

PHRM 5000. Non-traditional Medical Systems and Therapies. 3 hours.
Prerequisite: Permission of department.
Non-traditional systems of health care, including alternative health care systems, herbal medications, and self-care using accepted nonprescription drugs and home remedies.
WARREN

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.
TACKETT

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

PHRM 5070. Immune Therapeutics. 3 hours.
Individualized study of a single disease state or medical system to enable students to gain expertise in a particular area of interest.
COOPER

PHRM 5080. Diabetes Disease Management. 3 hours.
Provision of diabetes education/management services to patients.
JOHNSON

PHRM 5090. Infectious Disease Case Studies. 3 hours.
An application of prior course material to cases of infectious disease. Students write a pharmacy care plan for each case.
COOPER



Possible advanced practice experiences in the fourth year include:

- Ambulatory Care
- Cardiology
- Community Pharmacy Practice
- Critical Care/Operating Room
- Drug Information/Medication Utilization Evaluation
- Family Medicine
- Gastroenterology
- Geriatrics/Consultant Pharmacy
- Home Health
- Hospital Pharmacy Practice
- Infectious Disease
- Internal Medicine
- Managed Care
- Neurology
- Nuclear Pharmacy/Radiology
- Nutrition Support
- Obstetrics/Gynecology
- Oncology
- Pediatrics/Neonatology
- Pharmacokinetics
- Pharmacy Administration
- Pharmacy Association Management
- Psychiatry
- Public Health
- Research
- Toxicology

In addition, there are several out-of-state rotations with the U.S. Public Health Service that students may elect. These are located in Alaska and New Mexico.

THE UNIVERSITY SYSTEM OF GEORGIA

The University System of Georgia includes 34 state-sponsored, public institutions located throughout Georgia — four research universities, two regional universities, 13 state universities, two state colleges, and 13 two-year colleges.

A 18-member constitutional Board of Regents — one from each of the state's 13 Congressional Districts and five from the state-at-large — governs the University System which was established in 1931. Board members are appointed by the Governor, subject to state senate confirmation, for seven year terms.

The Chairperson, the Vice Chairperson, and other officers of the Board are elected by its membership. The Chancellor, who is not a Board member, is the chief executive officer of the Board and chief administrative officer of the University System.

The overall programs and services of the University System are offered through three major components: Instruction; Public Service/Continuing Education; Research.

INSTRUCTION includes programs of study leading to degrees ranging from the associate (2-year) to the doctoral level, and certificates.

Requirements for admission to instructional programs are set by institutions, pursuant to policies of the Board of Regents which sets minimum academic standards and leaves each institution the prerogative of establishing higher standards. Application for admission should be made directly to institutions.

A Core Curriculum, defining freshman and sophomore courses for students who seek degrees beyond the associate level, is in effect for all University System institutions. This 60-hour Curriculum includes 40 in general education — humanities, mathematics, natural and social sciences — and 20 in the student's chosen major area. It facilitates transfer of freshman and sophomore credits within the University System.

PUBLIC SERVICE/CONTINUING EDUCATION includes non-degree programs, special college-degree-credit courses, and institutional outreach programs.

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.
DUKE, K.

PHRM 5110. History of Medicine and Pharmacy. 3 hours.

The history of medicine and pharmacy beginning with pre-historical discoveries and continuing through the modern era. Emphasis on the social impact of medical discoveries and the conquering of health care problems with drugs and other therapies.

WARREN

PHRM 5200. Impact of International Health Care Issues on United States Foreign Policy. 3 hours.

Prerequisite: Permission of department.

Effects of diseases on indigenous populations and the precautions required of travelers; health care impacts on United States foreign policy. The Great Decisions program will serve as the topic outline for the course.

WARREN

PHRM 5210. Special Topics in Pharmacy. 3 hours.

Specialized pharmaceutical systems, processes and techniques, including assignment of current literature and student presentations.

GALEN

PHRM 5450. Parenterals. 3 hours

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

COBB

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.

TACKETT

PHRM 5960. Women's Health Care. 3 hours.

Prerequisite: PHRM 3410.

Medications most often used in OB/GYN, preparation for patient education and counseling in women's health, patient monitoring parameters in the areas of obstetrics and gynecology.

McCOMBS

PHRM 5970. Health-System Pharmacy. 3 hours.

Prerequisite: Permission of department.

Pharmacy services ranging from inpatient dispensing in hospitals and long-term care facilities to the provision of outpatient services in clinics and home health care services. Emphasis is given to the inpatient distribution of medications in hospitals.

WARREN

*Permission of department.



INTERDEPARTMENTAL COURSES

Required Courses

PHRM 3100, 3110. Pharmacy Skills Lab I, II. 2 hours each. 4 hours lab per week each.

Prerequisite for PHRM 3100: Permission of department.

Corequisite for PHRM 3100: PHRM 3010, 3400, 3620.

Corequisite for PHRM 3110: PHRM 3200, 3410, 3940.

Development of knowledge base, skills and techniques necessary to render effective pharmaceutical care in a variety of settings.

STRONG, HERIST, COOK AND STAFF

PHRM 3800, 3850. Clinical Applications I, II. 1 hour each.

Prerequisite for PHRM 3800: Permission of department.

Corequisite for PHRM 3800: PHRM 3050, 3400, 3470.

Corequisite for PHRM 385: PHRM 3060, 3410, 3480.

Clinical applications of anatomy/physiology, pathophysiology, and biochemistry. Case presentations and various off-site experiential assignments to develop students' pre-clerkship skills.

MCCALL, CHISHOLM

PHRM 4120, 4130. Pharmacy Skills Lab III, IV. 2 hours each. 4 hours lab per week each.

Prerequisite for PHRM 4120: PHRM 3100, 3110.

Corequisite for PHRM 4120: PHRM 4180/6180, 4200, 4850.

Corequisite for PHRM 4130: 4190/6190, 4210, 4860.

Analysis, comprehension, and application of pharmaceutical product knowledge.

STRONG, COOK, HERIST, COBB, AND STAFF

PHRM 4180/6180. Drug Therapy of Infectious Disease. 3 hours.

Undergraduate prerequisite: PHRM 3060 or permission of department.

Undergraduate corequisite: PHRM 4120.

Chemistry, spectrum of activity, place in therapy, stability, incompatibilities and toxicities of antibacterials, antivirals, and antibiotics.

BEACH, COOPER, AND LANGFORD

PHRM 4190/6190. Chemotherapy of Cancer. 2 hours.

Undergraduate prerequisite: PHRM 3060 or permission of department.

Undergraduate corequisite: PHRM 4130.

Etiology, prevention, and treatment of cancer in man. Emphasis on the mechanism, toxicity, and side effects of anticancer agents of various antineoplastic agents.

BEACH, COOPER AND STAFF

PHRM 4900, 4950. Clinical Applications III, IV. 1 hour each.

Corequisite for PHRM 4900: PHRM 4050/6050, 4410, 4850.

Corequisite for PHRM 4950: PHRM 4060/6060, 4130, 4420, 4860.

Clinical applications of medicinal chemistry, pharmacology, and therapeutics. Case presentations and various off-site experiential assignments to develop students' pre-clerkship skills.

FRANCISCO AND STAFF

Non-degree activities would include short courses, conferences, seminars, lectures and consultative services in many interest areas. These activities, usually of short duration, are designed to meet special educational, informational and cultural needs of people served by institutions. All institutions conduct some non-degree public service/continuing education. College-degree-credit courses are typically offered through extension center programs and teacher education consortiums.

RESEARCH encompasses investigations conducted for the discovery and application of knowledge. These investigations include clearly defined projects in some cases and non-programmatic activities in other cases. Research is conducted on campuses and at other locations and projects related to a large variety of educational objectives and societal needs. Most research is conducted by the six universities though some senior colleges also have research efforts underway.

Board of Regents' policies for government, management and control of the University System and the Chancellor's administrative actions provide institutions a high degree of autonomy. The President is the executive head of each institution and is recommended by the Chancellor and appointed by the Board.

The University System Advisory Council, with 34 committees, engenders continual dialogue on major academic and administrative matters and makes recommendations to the Chancellor, who transmits them to the Board as appropriate, regarding academic and administrative operations in the System. The Council consists of the Chancellor, the Vice Chancellor, and all Presidents as voting members. It includes other officials of institutions as nonvoting members. The Council's 21 academic and 13 administrative committees are composed of institutional representatives, typically one from each unit, and deal with matters of System-wide application.

In-state and out-of-state tuition fees for students at all institutions are established by the Board of Regents. Other fees for student services and activities are established by institutions, subject to Board of Regents' approval. Non-mandatory fees established by institutions are subject to approval of the Board of Regents office.

IMPORTANT DATES AND TIMELINE

APPLY EARLY!

Summer or Early Fall — Procure application forms for the College of Pharmacy and the PCAT

October — Fall PCAT Exam (see PCAT application for dates, time and locations)

Fall Term — Submit application forms and preliminary transcripts before the end of the Fall Term. Completed files will be considered for early interview dates.

January — Winter PCAT (see PCAT application for dates, time and locations)

February 1 — File completion date. Transcripts of all work completed through the Fall Term, recommendations, and materials for which the student is responsible (i.e., everything except official PCAT score reports)

For more information, contact Ken Duke, Assistant to the Dean, College of Pharmacy, (706) 542 - 5278.

Each year The University of Georgia publishes a campus security report. This report contains information on campus safety programs as well as advice on crime statistics about crimes on campus during the last three calendar years. This report is available upon request from the Admissions Secretary, Office of the Dean, College of Pharmacy, The University of Georgia, Athens, Georgia 30602 - 2351, (706) 542 - 5278.

Cost: \$5.625 / Quantity: 1,000 copies

PHRM 5140, 5150. Pharmacy Skills Lab V, VI. 1 hour each. 2 hours lab per week each.

Prerequisite for 5140: PHRM 4130.

Corequisite for 5140: PHRM 5820, 5860.

Prerequisite for 5150: PHRM 5140.

Creation and demonstration of individual dosage regimens designed by integrating patient presenting conditions and pharmacotherapeutic considerations.

AULL, JOHNSON AND STAFF

PHRM 5260/7260. Clinical Pharmacokinetics. 4 hours. 3 hours lecture and 2 hours lab per week.

Undergraduate prerequisite for 5260/7260: PHRM 4210 and PHRM 4420 or permission of department.

PHRM 5260/7260: Basic pharmacokinetic concepts and the design and monitoring of therapeutic drug regimens. Emphasis is on learning how to analyze and interpret patient-specific drug concentration time data. Nonlinear pharmacokinetics and effects on therapeutic drug regimens; emphasis on drug and disease-specific case studies.

WHITE, TERRY, SPRUILL, WADE, AND STAFF

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.

STEWART AND TACKETT

PHRM 5120. Professional Development for Today's Pharmacist. 1-3 hours.

Prerequisite: Permission of department.

Professional issues in the following areas:

communication skills, financial skills, leadership skills, team work, current events, and interviewing skills. Non-traditional format: Projects and papers will be assigned to students who desire two or three hours of credit.

STRICKLAND

PHRM 5210. Special Topics in Pharmacy. 1-3 hours. Repeatable for a maximum of 12 hours credit.

Specialized pharmaceutical systems, processes and techniques, including assignment of current literature and student presentations.

STAFF

PHRM 5500. Community-Based Pharmacy Outreach. 3 hours. 2 hours lecture and 2 hours lab per week.

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.

WHITE AND BROOKS

PHRM 5980. Undergraduate Research Problem. 1-3 hours. Repeatable for a maximum of 12 hours credit.

An introduction to research methods. A problem will be assigned, and the student will perform library and laboratory work and write up results.

STAFF



INFORMATION

INFORMATION AND APPLICATION FORMS:

Office of the Dean
College of Pharmacy
The University of Georgia
Athens, Georgia 30602
(706) 542 - 5278
Website: www.rx.uga.edu

HOUSING FOR SINGLE STUDENTS:

Department of University Housing
The University of Georgia
Athens, Georgia 30602
(706) 542-1421

HOUSING FOR MARRIED STUDENTS:

Family Housing Office
The University of Georgia
Athens, Georgia 30602
(706) 542-1473

PAYMENT OF FEES AND DEPOSITS:

Treasurer's Office
The University of Georgia
Athens, Georgia 30602
(706) 542-1625

SCHOLARSHIPS AND LOANS:

Office of Student Financial Aid
The University of Georgia
Athens, Georgia 30602
(706) 542-3476

ADMISSIONS:

Office of Undergraduate Admissions
The University of Georgia
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