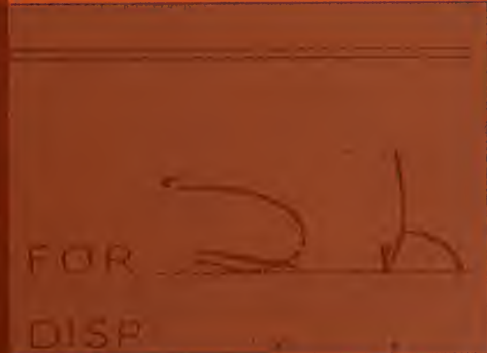


**THE UNIVERSITY OF  
GEORGIA  
SCHOOL OF PHARMACY**





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# **THE UNIVERSITY OF GEORGIA SCHOOL OF PHARMACY**

Athens, Georgia  
1971-1972



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# CALENDAR

## 1971-72

### **Fall Quarter 1971**

September 17  
Residence Halls Open

September 20  
Orientation and Counseling

September 21 & 22  
Registration

September 23  
Classes begin for all students

November 25-28  
Thanksgiving Recess (begins noon, November 24)

December 7  
Classes End

December 8  
Exam Study Period

December 9-14  
Examinations

December 15  
Christmas Vacation Begins

### **Winter Quarter 1972**

January 2  
Residence Halls Open

January 3  
Registration

January 4  
Classes Begin—Sat., January 8 regular class day

February 24  
Constitution Examination

March 10  
Classes End

March 11-16  
Examinations

March 17-20  
Spring Recess

### **Spring Quarter 1972**

March 20  
Residence Halls Open

March 21  
Registration

March 22  
Classes Begin—Sat., March 25 regular class day

May 17  
Honors Day

May 26  
Classes End

May 27-June 1  
Examinations

June 6  
Quarter Ends—Graduation

### **Summer Quarter 1972**

June 12  
Registration

June 13  
Classes Begin

July 3 & 4  
Holiday—Classes meet Saturday, July 8

July 21  
Short Term Ends

August 16  
Quarter Ends—Graduation



# UNIVERSITY SYSTEM OF GEORGIA

## BOARD OF REGENTS

Philip H. Alston, Jr., *Atlanta*  
State-at-Large (1971-1978)

John A. Bell, Jr., *Dublin*  
State-at-Large (1970-1977)

Roy V. Harris, *Augusta*  
State-at-Large (1967-1974)

William S. Morris, III, *Augusta*  
State-at-Large (1967-1974)

Carey Williams, *Greensboro*  
State-at-Large (1969-1976)

Mrs. Hugh Peterson, Sr., *Ailey*  
First District (1970-1976)

John I. Spooner, *Donalsonville*  
Second District (1968-1975)

T. Hiram Stanley, *Columbus*  
Third District (1965-1972)

John R. Richardson, *Conyers*  
Fourth District (1970-1977)

W. Lee Burge, *Atlanta*  
Fifth District (1968-1975)

David H. Tisinger, *Carrollton*  
Sixth District (1971-1978)

James V. Carmichael, *Marietta*  
Seventh District (1966-1973)

Charles A. Harris, *Ocilla*  
Eighth District (1971-1978)

James A. Dunlap, *Gainesville*  
Ninth District (1966-1973)

G. L. Dickens, Jr., *Milledgeville*  
Tenth District (1965-1972)

## OFFICERS AND STAFF

W. Lee Burge, *Chairman*

William S. Morris, III, *Vice Chairman*

George L. Simpson, Jr., *Chancellor*

Harold F. Robinson, Jr., *Vice Chancellor*

James E. Boyd, *Vice Chancellor-Academic  
Development*

Mario J. Goglia, *Vice Chancellor-Research*

Howard Jordan, Jr., *Vice Chancellor-Services*

Shealy E. McCoy, *Vice Chancellor-Fiscal Affairs and  
Treasurer*

Harry B. O'Rear, *Vice Chancellor-Health Affairs*

Frank C. Dunham, *Vice Chancellor for Construction  
and Physical Plant*

James L. Carmon, *Assistant Vice Chancellor-  
Computing Systems*

Haskin R. Pounds, *Assistant Vice Chancellor*

Henry G. Neal, *Executive Secretary*

Robert M. Joiner, *Director of Public Affairs*



# THE UNIVERSITY OF GEORGIA

## OFFICERS OF GENERAL ADMINISTRATION

### President

Frederick Corbet Davison, *President*

Albert Bruce Jones, *Assistant to the President*

### Provost

S. William Pelletier, *Provost*

Walter Paschal Reeves, Jr., *Associate to the Provost*

James Benson Kenney, *Associate to the Provost*

Sidney Edward Brown, *Assistant to the Provost*

### Vice President for Instruction

\*, *Vice President*

Albert Louis Kleckner, *Assistant Vice President*

Ted Lewis Hammock, *Assistant to the Vice President*

Fred Thurman Colhard, *Administrative Assistant*

### Vice President for Research

Robert Cletus Anderson, *Vice President*

Charles Herbert Douglas, *Assistant to the Vice President and Acting Director of General Research*

William Oates Burke, *Assistant to the Vice President and Director of University Research Park*

### Vice President for Services

John William Fanning, *Vice President*

Robert Louis Rowan, *Administrative Assistant*

### Vice President for Business and Finance

Allan Wedford Barber, *Acting Vice President*

Jenkins Comer Whitehead, *Assistant to the Vice President*

### Libraries

William Porter Kellam, *Director*

Helen Joanne Harrar, *Associate Director*

### Dean of University Relations

Louis Turner Griffith, *Dean*

### Registrar and Admissions

Walter Newman Danner, *Registrar*

Morris Overton Phelps, *Director of Admissions*

### Division of Student Affairs

O. Suthern Sims, *Dean of Student Affairs*

Mary Louis McBee, *Associate Dean of Student Affairs for Programs*

\*Position vacant at time of publication

# THE SCHOOL OF PHARMACY

## OFFICERS OF ADMINISTRATION

Waters, Kenneth Lee, *Professor of Pharmacy and Dean of the School of Pharmacy*  
A.B., Lynchburg,; M.S., Georgia; Ph.D., Maryland

Entrekin, Durward Neal, *Professor of Pharmacy and Associate Dean of the School of Pharmacy*  
B.S. Pharmacy, Georgia; M.S., Ph.D., Florida

Wilson, Robert Cumming, *Dean Emeritus of the School of Pharmacy*  
Ph.G., University of the South

## THE FACULTY

### Department of Pharmacy

Ansel, Howard Carl, *Professor of Pharmacy and Head of the Department of Pharmacy*  
B.S. Pharmacy, Toledo; M.S., Ph.D., Florida

Baker, Raymond Stanley, *Instructor in Pharmacy—Clinical Pharmacist, Part-Time, Co-staffed with St. Mary's Hospital*  
B.S. Pharmacy, Mercer

Brackett, Colquitt Prater, *Instructor in Pharmacy—Clinical Pharmacist*  
B.S. Pharmacy, Georgia

Brown, Robert Herbert, Jr., *Instructor in Pharmacy—Clinical Pharmacist*  
B.S. Pharmacy, Georgia

Cadwallader, Donald Elton, *Professor of Pharmacy*  
B.S. Pharmacy, Buffalo; M.S., Georgia; Ph.D., Florida

Dickerson, Joe Bill, *Instructor in Pharmacy*  
B.S. Agriculture, B.S. Pharmacy, Georgia

Fechtel, Edward John, Jr., *Assistant Professor, Lecturer in Pharmacy, Part-Time, Co-staffed with St. Mary's Hospital*  
B.B.A., Notre Dame; M.B.A., Emory

Luzzi, Louis Anthony, *Associate Professor of Pharmacy*  
B.S. Pharmacy, M.S., Ph.D., Rhode Island

Mason, William David, *Assistant Professor of Pharmacy*  
B.S. Pharmacy, M.S., Ph.D., Ohio State

McKeller, Billie Ray, *Instructor in Pharmacy—Clinical Pharmacist, Part-Time, Co-staffed with Athens General Hospital*  
B.S. Pharmacy, Georgia

Meunier, James Frank, *Instructor in Pharmacy—Clinical Pharmacist, Part-Time, Co-staffed with University Health Service*  
B.S. Pharmacy, Georgia

Needham, Thomas Edward, Jr., *Assistant Professor of Pharmacy*  
B.S. Pharmacy, M.S., Ph.D., Rhode Island

Price, James Clarence, *Associate Professor of Pharmacy*  
B.S. Pharmacy, Arkansas; M.S., Utah; Ph.D., Rhode Island

Sumner, Edward Donald, *Associate Professor of Pharmacy*  
B.S. Wofford College; B.S. Pharmacy, Medical College of South Carolina; M.S., Ph.D., North Carolina

Tansil, Joan H., *Clinical Pharmacist*  
B.S. Pharmacy, University of Tennessee

Tebo, Lestina Smith, *Instructor in Pharmacy and Advisor to Pre-Pharmacy Students*  
B.S. Pharmacy, M.S., Georgia

Thomas, Patricia Cole, *Instructor in Pharmacy—Clinical Pharmacist*  
B.S. Pharmacy, Georgia

Underwood, Thelma Wilkison, *Instructor in Pharmacy—Clinical Pharmacist*  
B.S. Pharmacy, Georgia

Warren, Flynn Wilford, *Instructor in Pharmacy—Clinical Pharmacist*  
B.S. Pharmacy, South Carolina; M.S., Georgia

Whitworth, Clyde Weydell, *Associate Professor of Pharmacy*  
B. S. Pharmacy, M.S., Georgia; Ph.D. Florida

Wickliffe, Billie Winell, *Assistant Professor of Pharmacy*  
B.S., B.S. Pharmacy, M.S., Ph.D., Georgia

## **Department of Medicinal Chemistry**

LaRocca, Joseph Paul, *Professor of Medicinal Chemistry and Head, Department of Medicinal Chemistry*  
B.S. Pharmacy, Colorado; M.S., North Carolina; Ph.D., Maryland

Blanton, Charles DeWitt, Jr., *Associate Professor of Medicinal Chemistry*  
B.S., Western Carolina; Ph.D., Mississippi

Bouwsma, Otis Jacob, Jr., *Instructor of Medicinal Chemistry*  
B.S., Piedmont; M.S., N.E. Louisiana State

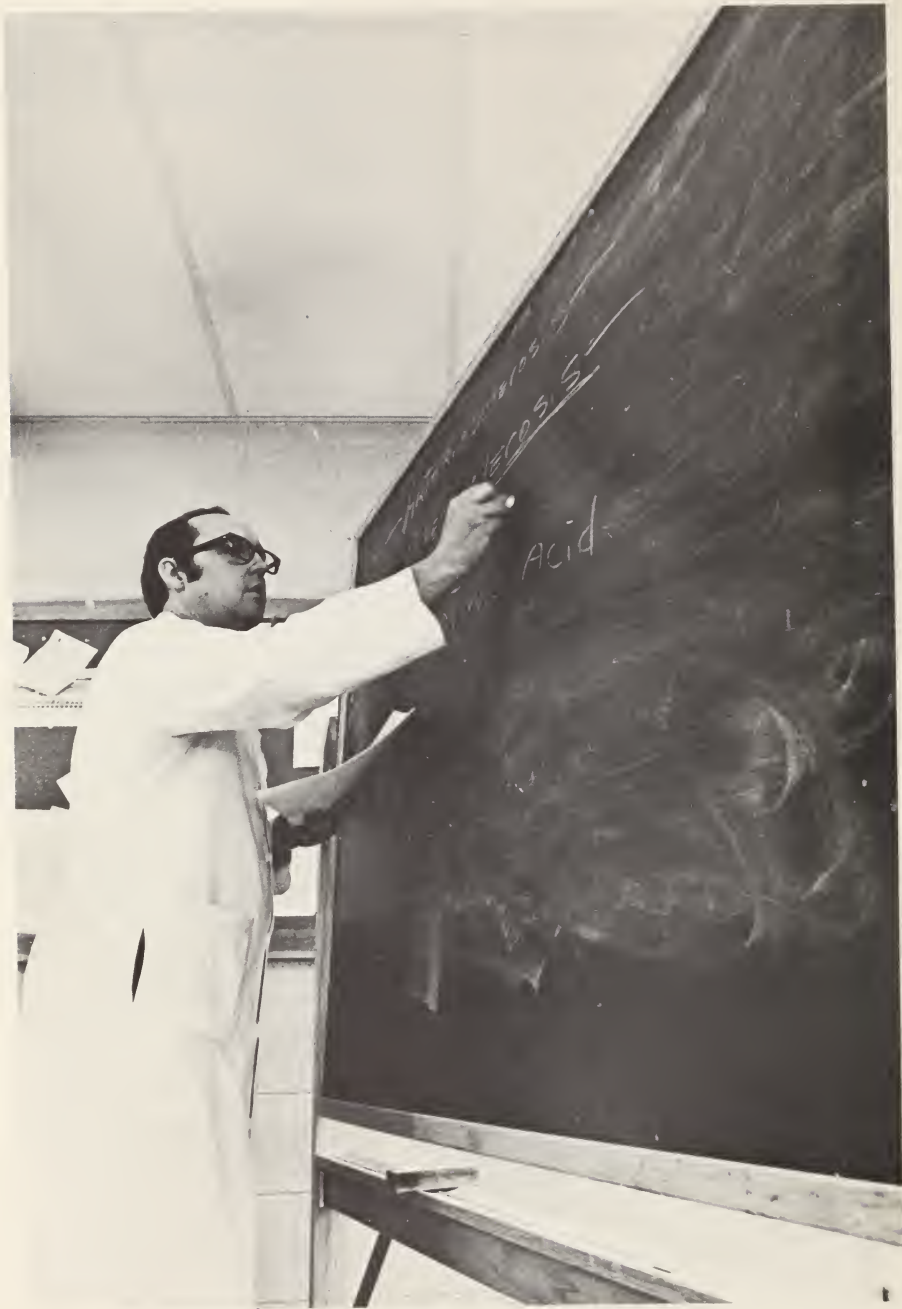
Honigberg, Irwin Leon, *Associate Professor of Medicinal Chemistry*  
B.S. Pharmacy, Connecticut; Ph.D., North Carolina

Martinelli, Louis Carl, *Assistant Professor of Medicinal Chemistry*  
Pharm.D., Ph.D., California

Millikan, Francis Ford, *Professor/Emeritus of Medicinal Chemistry*  
B.S. Pharmacy, M.S. Pharm., Colorado; M.S. Chemistry, Brooklyn Polytechnic Institute

Thompson, Bobby Blackburn, *Associate Professor of Medicinal Chemistry*  
B.S., Berry; M.S., Ph.D., Mississippi

Stewart, James Thomas, *Associate Professor of Medicinal Chemistry*  
B.S. Pharmacy, M.S., Auburn; Ph.D., Michigan



## **Department of Pharmacy Administration**

Jowdy, Albert Willoughby, *Professor of Pharmacy Administration and Head, Department of Pharmacy Administration & Director of Pharmaceutical Services*  
B.S. Pharmacy, M.S., Ph.D., North Carolina

Braucher, Charles Landis, *Professor of Pharmacy Administration*  
B.S. Pharmacy, Philadelphia College of Pharmacy; M.A., Nebraska; Ph.D., Purdue

Dobbs, Willis Frank, *Associate Professor of Pharmacy Administration*  
B.S. Pharmacy, M.B.A., Georgia

Kotzan, Jeffrey Anthony, *Assistant Professor of Pharmacy Administration*  
B.S. Pharmacy, M.S., Ph.D., Purdue

## **Pharmaceutical Services**

King, Stonewall Corput, Jr., *Associate Professor of Pharmacy Administration and Co-staffed with the Institute of Community and Area Development*  
B.S., Georgia; B.S. Pharmacy, Mercer; M.S., Maryland; Pharm.D., Michigan

## **Department of Pharmacology**

Wade, Adelbert Elton, *Professor of Pharmacology and Head, Department of Pharmacology*  
B.S. Pharmacy, M.S., Ph.D., Florida

Brown, Walter John, *Professor of Therapeutic Medicine, Part-Time, Co-staffed with the University Health Service*  
M.D., Medical College of Georgia

Croneberger, Charles Leslie, *Temporary Instructor in Pharmacology*  
B.S., Millersville State College; M.A.T., University of the South

Iturrian, William Ben, *Associate Professor of Pharmacology*  
B.S. Pharmacy, Wyoming; Ph.D., Oregon State

Johnson, Henry Douglas, *Professor of Pharmacology*  
B.S. Pharmacy, M.S., Ph.D., Florida

Mokler, Corwin Morris, *Associate Professor of Pharmacology*  
B.A., Colorado College; M.S., Nevada; Ph.D., Illinois

Tobia, Alfonso Joseph, *Assistant Professor of Pharmacology*  
B.S. Pharmacy, St. Louis; M.S., Ph.D., Purdue

Walsh, Gerald Michael, *Assistant Professor of Pharmacology*  
B.S., California, Ph.D. Oregon

## **Department of Pharmacognosy**

Schramm, Lee Clyde, *Associate Professor of Pharmacognosy and Head, Department of Pharmacognosy*  
B.S. Pharmacy, Ohio State; M.S., Ph.D., Connecticut

Gibson, Coy Avery, *Assistant Professor of Pharmacognosy*  
B.S. Pharmacy, South Carolina; M.S., Georgia; Ph.D. Rhode Island

# GENERAL INFORMATION

## 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 at Athens. At the same time, Dr. S. C. Benedict was appointed to the chair of Materia Medica in the School. Space was allocated in Terrell Hall for the School, and six students enrolled for the 1904-1905 year. The educational objective of those six registrants was to matriculate for two years and receive a Ph.G. degree.

In January 1907, due to an illness of Dr. Benedict, Mr. Robert C. Wilson was elected Instructor in Pharmacy to relieve Dr. Benedict of many of the classroom activities. Dr. Benedict remained as dean until 1914, when Professor Wilson was placed in charge of the Department of Pharmacy as director. In 1924, Professor Wilson became dean of the School of Pharmacy and made his first report to the Board of Trustees in that capacity. He noted, for the first time, that the School had included women students. Dean Wilson's continuous struggle to improve pharmacy in Georgia led to development of the first four year pharmacy degree 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 which has been maintained continuously since that time.

Upon Dean Wilson's retirement in 1948, Dr. Kenneth L. Waters was named dean of the School of Pharmacy. Under Dean Waters' guidance the School grew in both undergraduate and graduate enrollment 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.

## PURPOSE

The purpose of The University of Georgia School of Pharmacy is to provide for the comprehensive academic needs of the profession of pharmacy. Manpower needs of the profession are supplied through the School's undergraduate education program, which prepares students for the practice of pharmacy, and through its graduate program, which prepares individuals for professional specialization and for a career in teaching and research. The postgraduate educational needs of the profession are met by the School's continuing education and service programs. Faculty research supports all of these programs and contributes to the advancement of the body of pharmaceutical knowledge.

## FACILITIES

The School of Pharmacy is housed in facilities completed and occupied in the spring of 1964. Two basic concepts were incorporated into the design of the new building: 1) that it should be a functional facility conducive to learning; 2) that as many laboratory and research areas as possible should be on display. The first was considered basic to any educational building; the second was intended to stimulate interest in pharmacy among non-pharmacy students and interest in graduate work among undergraduate students.

The three floors and penthouse of the building contain a total of 96,000 square feet of space. The overall-dimensions of the structure are 300 ft. by 96 ft. Basic construction is reinforced concrete and concrete block, with exterior windows of gray-tinted glass. The cost of construction and equipment was in excess of two million dollars.

The building is heated and air-conditioned by three systems serving the auditorium, main building, and animal quarters, respectively. In addition, separate temperature control of the exterior halls allows these to be used as buffer zones both in winter and in summer. Utilities supplied throughout the building include electricity, gas, water, circulating hot water, distilled water, steam, compressed air, and vacuum.

Communications are served by an internal telephone and paging system in all areas, plus public telephone service in faculty offices.

## PROGRAM OF STUDY AND RESIDENCE

The *Bachelor of Science in Pharmacy* degree is awarded to students who successfully complete a five year study of prescribed courses. The first two years (pre-pharmacy) may be completed at any accredited institution of higher education. The last three years (professional) must be in residence at the School of Pharmacy. Nine quarters of residence in the professional program are required by the American Council on Pharmaceutical Education.

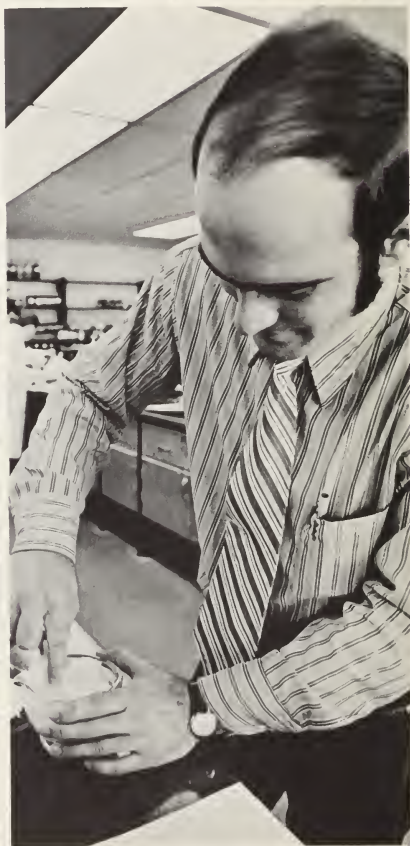
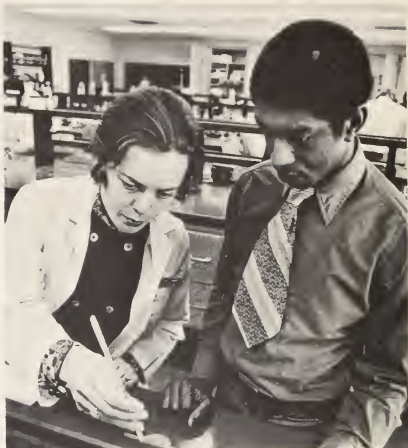
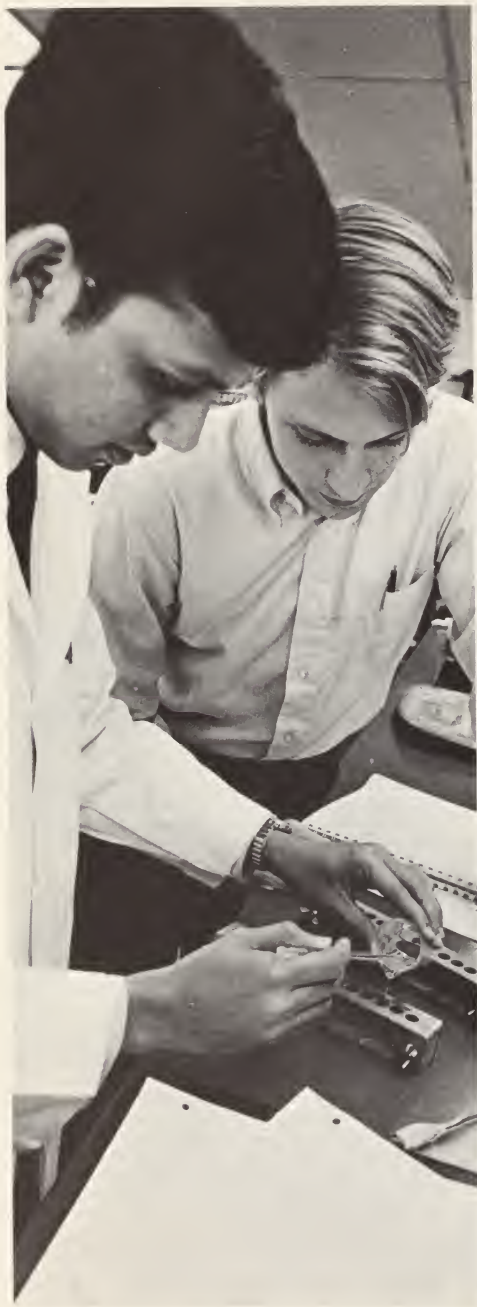
The University of Georgia Graduate School offers the degree Master of Science and Doctor of Philosophy in various specialty areas of the Pharmacy School. (See Graduate School Bulletin.)

## INTERNSHIP

In order to become licensed to practice pharmacy in the state of Georgia, one year of full time internship must be served under the supervision of a pharmacist. Credit for internship may be received only after a student has completed his pre-pharmacy work. Students are encouraged to serve internship during the summers. No credit toward internship will be given for work performed while registered for academic credit.

All intern pharmacists must notify the Joint Secretary, State Examining Boards, 165 Pryor Street, S. W., Atlanta, Georgia. The pharmacist supervising the intern must also notify the Joint Secretary that the intern is under his supervision. Termination of any portion of the internship must be reported by the pharmacist and the intern.





# ADMISSIONS

To be admitted to the professional program in the School of Pharmacy, a student must complete the pre-pharmacy requirements. At The University of Georgia, the pre-pharmacy program is conducted through the College of Arts and Sciences. The two years of pre-pharmacy education require satisfactory completion of not less than 90 quarter hours of academic work in the arts and sciences. In addition, students must meet the general requirements for physical education. Students with high academic averages, having 90 hours of credit, may be admitted with not more than 15 quarter hours of deficiencies in required courses, provided such deficiencies are cleared with their pre-pharmacy adviser and are completed during their first professional year.

Application to the School of Pharmacy should be submitted by April 1. Students may make application to the Dean of the School of Pharmacy when they have completed four quarters of work and are currently enrolled for 15 hours. Transcripts showing all college work taken should accompany the application.

In considering applications for admission to the School of Pharmacy preference will be given to those persons having a 2.5 or above, grade point average. Applicants must have earned a minimum average of 2.0 on all work taken. It is desirable that each applicant take the Pharmacy Aptitude Test and attend a personal interview prior to entering the School.

The University of Georgia complies with the Civil Rights Act of 1964.

## PRE-PHARMACY REQUIREMENTS

	Hours
Chemistry 121-122-123	15
English (must include 101 & 102)	15
Biology 101-102	10
Physics 127-128	10
History*	5
Mathematics**	10
Economic 105	5
Political Science 101***	5
General Electives****	15
Physical Education	6

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\*The History Qualifying Examinations will not fulfill this requirement.

\*\*Minimum requirements are the equivalent of Math 100-101.

\*\*\*Exemption of Federal and Georgia Constitution will not fulfill this requirement.

\*\*\*\*Electives must be chosen from the humanities or social sciences, with at least 5 hours from each area

# PROFESSIONAL PROGRAM

## FIRST PROFESSIONAL YEAR

	<i>Hours</i>
Pharmacy Orientation 320 .....	3
Pharmaceutical Calculations 323 .....	3
Chemistry 340-1-3 .....	13
Pharmaceutical Preparations 321 .....	4
Microbiology 350 .....	5
Pharmacy Law 390 .....	3
Inorganic Pharmacy 322 .....	3
Microbiology 352 .....	3
Chemistry 280 .....	5
Electives .....	10

## SECOND PROFESSIONAL YEAR\*

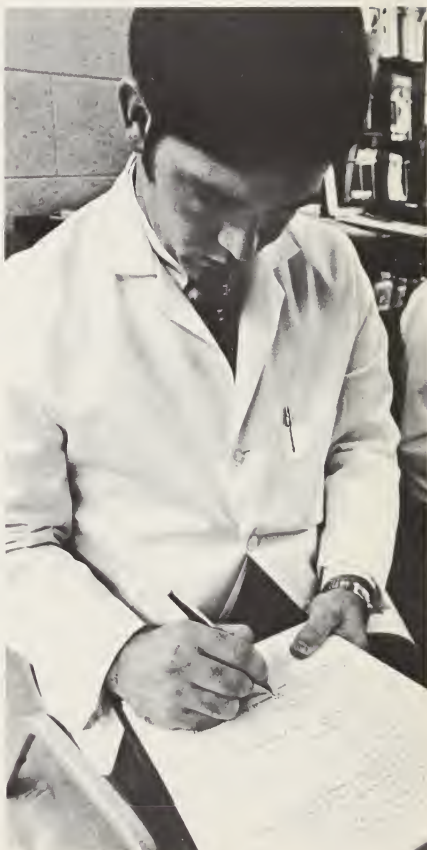
	<i>Hours</i>
Compounding and Technology 406-7-8 .....	12
Pharmacognosy 404-5 .....	8
Medical Physiology 449-450 .....	8
Medicinal Chemistry 440-1 .....	8
Drug Assay 402 .....	5
Biopharmacy 447 .....	5

## THIRD PROFESSIONAL YEAR

	<i>Hours</i>
Dispensing Pharmacy 537-8-9 .....	12
Pharmacology 581-2-3 .....	12
Pharmaceutical Accounting 510 .....	5
Drug Store Operation 596-7 .....	8
Electives professional .....	9
Field Trips**	

\*Students should acquire proficiency in typing before entering the second professional year.

\*\*Students annually visit hospitals, pharmaceutical manufacturers, and wholesale houses and are required to participate in such trips. Trips are made at the expense of the students.



# REGULATIONS

## HOURS

In order to receive the Bachelor of Science degree in the School of Pharmacy, a student must have completed not less than 234 quarter hours of work with a cumulative average of at least 2.0.

## ACADEMIC LOAD

All professional students in the School of Pharmacy must take a minimum academic load of twelve credit hours per quarter unless excused by the Dean.

## SCHOLARSHIP REQUIREMENTS

In addition to the general University requirements relative to scholarship, the following requirements must be met by all pharmacy students.

Effective Fall Quarter, 1971, all first professional year students must have earned a minimum grade point average of 1.8 in not more than four quarters constituting their first professional year. Progress to the second professional year will not be allowed unless the minimum grade point average is met or exceeded. During the first four quarters in the Pharmacy School students must complete all deficiencies in pre-pharmacy courses as well as all 300-numbered pharmacy courses, the organic chemistry sequence and two microbiology courses.

Condition for readmission and continuance in the pharmacy program will be set during a personal interview with the pharmacy faculty academic committee.

Similarly, all students must have earned at least a 2.00 average since entering the School of Pharmacy by the end of their second professional year in order to progress to the third professional year.

A student will not be permitted to register for the same pharmacy course more than twice within any twelve month school year.

At least a grade of 2.0 must be earned in all required pharmacy courses and approved substitutes, before credit for the course will be given toward graduation.

## CLASSIFICATION OF STUDENTS

Students will be classified as first (6), second (7), and third (8) year professional students. To be so classified, a student must take the required courses and maintain the required academic average.

## LIMITATION OF STUDENT EMPLOYMENT

Since it is realized that classroom work must receive major emphasis in the student's program for securing an education, he should not accept employment which will interfere with his scholastic program. A student who makes a poor scholastic record as a result of working will be required to reduce his work load.

## ACADEMIC PREPARATION

Each student is expected to maintain a schedule of home study so he is prepared for daily classes and is always up to date in his course work. This requires a student to establish early study habits best suited to his own capabilities and to adjust to the demands of the prescribed curriculum. The successful study of pharmacy necessitates the assimilation of a large amount of subject matter. The curriculum is arranged in a sequence to insure a progression of courses which result in meaningful correlation between the basic sciences and clinical areas of study and application. Courses do not end with final examinations each quarter, but supplement all others in the total professional curriculum.

## CLASS ATTENDANCE

Regular attendance at classes, laboratories (including clinics) and examinations is a student obligation, and the unexcused absence, or "cut," is not recognized as a student privilege by the faculty of the School of Pharmacy. The student is expected to give reason for his absence to his individual instructor and to make

up all work missed due to the absence. If a student is absent for five consecutive class meetings, the instructor will determine the reason and report the student to the Dean's office, with a record of total absences and the tentative grade earned in the class to date.

#### *Excessive Absences*

If the student, after being counseled and reminded of the seriousness of his absences, shows insufficient improvement in class attendance, the instructor may request his withdrawal from the course and assign a "WF" grade.

#### *Excused Absences*

Under certain conditions and at the discretion of the Dean, absences may be excused. Students anticipating absences or who experience unanticipated absences should report such to the Dean's office as soon as practical before or after the absence, as appropriate.

## **DRESS**

Students of pharmacy are expected to dress neatly and to otherwise exemplify professional men and women at all times.

## **ATTITUDE AND CONDUCT**

A student whose attitude, actions or conduct, either on or off campus, are of a type which could discredit himself, the School of Pharmacy, The University of Georgia, and/or the pharmacy profession shall be subject to dismissal from the School of Pharmacy. Students in the School are also governed by the rules and regulations of The University of Georgia as outlined in the current general catalog. Special attention is directed to provisions in the general catalog and the student handbook concerning class attendance.

Any student dismissed from the School, but not by the University, may within 30 days submit a written request to the School's academic committee for a review of his case. *Each student is limited to one such review.* The reviewing board's decision, after review by the Dean, is final.

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

A student who was dismissed for academic reasons may apply for re-admission to the School after proper consultation with his academic counselor. His application, however, will be considered as a first application along with those of other new applicants.





# GRADING SYSTEM

For purposes of computing quarterly, yearly, and cumulative grade point averages, letter grades must be converted into numerical equivalents. The equivalents are:

A	4.0
B	3.0
C	2.0
D	1.0
F	0
WF	0
I	*
S	*
U	*

*\*Not Computed*

## SCHOLASTIC PROBATION

A student who fails to make an average of 1.7 in any quarter shall be placed on probation for the next quarter in residence unless he has a cumulative grade average of 2.5 on all work taken at the University. A student remains on probation until he makes an average of at least 2.0, carrying a minimum of 12 quarter hours (except graduating seniors) during one quarter in residence.

A student may remove himself from probation during a summer quarter. No student will be placed on probation on the basis of his work in a summer quarter, but summer quarter grades will be reflected in the cumulative grade average.

No student will be credited with the completion of the requirements for graduation while on probation. A student on probation shall not be allowed to register for a fall quarter.

## DISMISSAL

A student shall be dismissed (1) if he fails to make an average of 0.7 during one quarter (except summer quarter), (2) if he is on probation for two consecutive quarters and fails to remove himself from probation during the second quarter.

A student dismissed for the first time may return on probation any quarter except fall quarter with the approval of the Dean. One calendar year after a second dismissal, a student may petition the faculty executive committee of the University for readmission if he can convincingly exhibit that he has had a change of attitude toward his academic responsibilities. Such permission is rarely given.





# FINANCES AND AID

## EXPENSES

Expenses for pharmacy students are comparable to that for other students at The University of Georgia. The following is an approximation of expenses first year pharmacy students may anticipate:

1. Matriculation	\$161.50	per quarter
2. Dining Hall Meal Tickets <sup>1</sup>	\$180-256	per quarter
3. Housing		
Dormitories <sup>2</sup>	\$120-145	per quarter
Private (off campus)	\$35	per month and up
Fraternity house	\$90	per quarter and up
University Married Student Housing <sup>3</sup>		
Furnished (1 bedroom)	\$97	per month
Unfurnished (1 bedroom)	\$85	per month
4. Textbooks	\$100	for first-year students
5. Lab clothing & Equipment	\$35	for first-year students

Single students may anticipate their first year expenses to be \$1,500 to \$1,800. Married students will need \$3,200 to \$3,800 for their first year. Estimates do not include travel, clothing and other incidental personal expenses.

<sup>1</sup>There are various combinations of meals per day and number of days meals are taken which affect meal ticket prices.

<sup>2</sup>Dormitory rent varies with additional features desired, such as private telephone and/or air-conditioning. Rental charge includes flat linen laundry fee.

<sup>3</sup>Water is provided by the University, but rental charges do not include electricity.

## AID

Students attending the University have nearly half the actual expense of their college education shared by the state of Georgia. Through the tax support of Georgians, The University of Georgia can offer a quality education at an economic cost.

In addition, the University provides financial help for any student who needs aid and is progressing normally toward graduation. No qualified student need hesitate to apply for financial aid if money is needed to pursue an education in pharmacy.

## SCHOLARSHIPS AND LOANS

### *High School Students for Freshman Year*

*Georgia Pharmaceutical Association*, pre-pharmacy scholarship in amount of \$300. Apply to Suite 605, 1655 Peachtree St., N.E., Atlanta, Ga. 30309.

*University Freshman Scholarship*, awarded to superior students to cover cost of tuition. Apply to Financial Aid Office, University of Georgia, Academic Bldg., Athens, Ga. 30601.

*University Regents Scholarship*, to superior students, amount based on needs of students. Apply same as above.

### **Loans**

*University and Federal Loan Funds*. Pharmacy students are eligible to apply to Financial Aid Office, University of Georgia, Academic Bldg., Athens, Ga. 30601.

*Georgia Higher Education Assistance Corporation*. The State will guarantee the loan of money made by banks. Detailed information available from GHEAC office at P.O. Box 38005, Capitol Hill Station, Atlanta, Ga. 30334.

*Dargavel Foundation*. Pharmacy students are eligible to apply for loan funds from John W. Dargavel Foundation of the National Association of Retail Druggists and should write directly to the Dargavel Foundation, 32 W. Randolph St., Chicago, Ill., 60601.

*Woman's Auxiliary of Georgia Pharmaceutical Association.* Pharmacy students are eligible to apply to the Dean's Office.

*Certain Emergency Loans* are available through the Dean's Office.

### **College Work Study Program**

Eligibility based on needs of student. Apply to Financial Aid Office, University of Georgia, Academic Bldg., Athens, Ga. 30601.

### ***Professional Scholarships (for students who have completed 2 years of pre-pharmacy work).***

*State of Georgia Scholarships*-The State Scholarship Commission has a number of scholarships based on financial need. Apply to State Scholarship Commission, P.O. Box 38005, Capitol Hill Station, Atlanta, Ga. 30334

*Health Professions Scholarships*-Federal program administered by Financial Aid Office, University of Georgia, Academic Bldg., Athens, Ga. 30601.

*Scholarships Awarded by School of Pharmacy*-Apply to Dean's Office.

*Jacob G. Smith*, awarded to a Savannah Area resident; *J.D.S. Coleman*, awarded to a Macon Area resident; *John W. Dargavel*; *Woman's Auxiliary of Georgia Pharmaceutical Association*; *Anne G. Morris Henderson*; *University of Georgia Alumni*; *Phi Delta Chi*; *Kappa Psi*; *American Foundation for Pharmaceutical Education*; *Eckerd Drugs, Inc.*

### **Local Scholarships and Loans**

Certain home-town firms and organizations offer scholarships and loans to deserving students. Students are urged to investigate home town possibilities.

Applications for scholarships and loans should be made as soon as possible since funds are limited and six weeks are required for processing.



# STUDENT ACTIVITIES

## PROFESSIONAL ORGANIZATIONS

During their academic career in the School of Pharmacy students are encouraged to begin to develop interest in professional activities. The primary route by which this interest may be expanded is through the Student Pharmaceutical Association which is affiliated with both the Georgia and American Pharmaceutical Associations. Active participation in this student function will not only stimulate interest in the profession but develop leadership and character.

Efforts to advance the profession of pharmacy educationally, fraternally and socially by instilling in its members a respect for diligence, sincerity and brotherhood led to the installation of chapters of two professional fraternities, Phi Delta Chi and Kappa Psi and a sorority, Lambda Kappa Sigma, in the School of Pharmacy. These organizations may also assist members in developing leadership characteristics and accepting responsibilities. They sponsor activities beneficial to the School, the University and the profession.

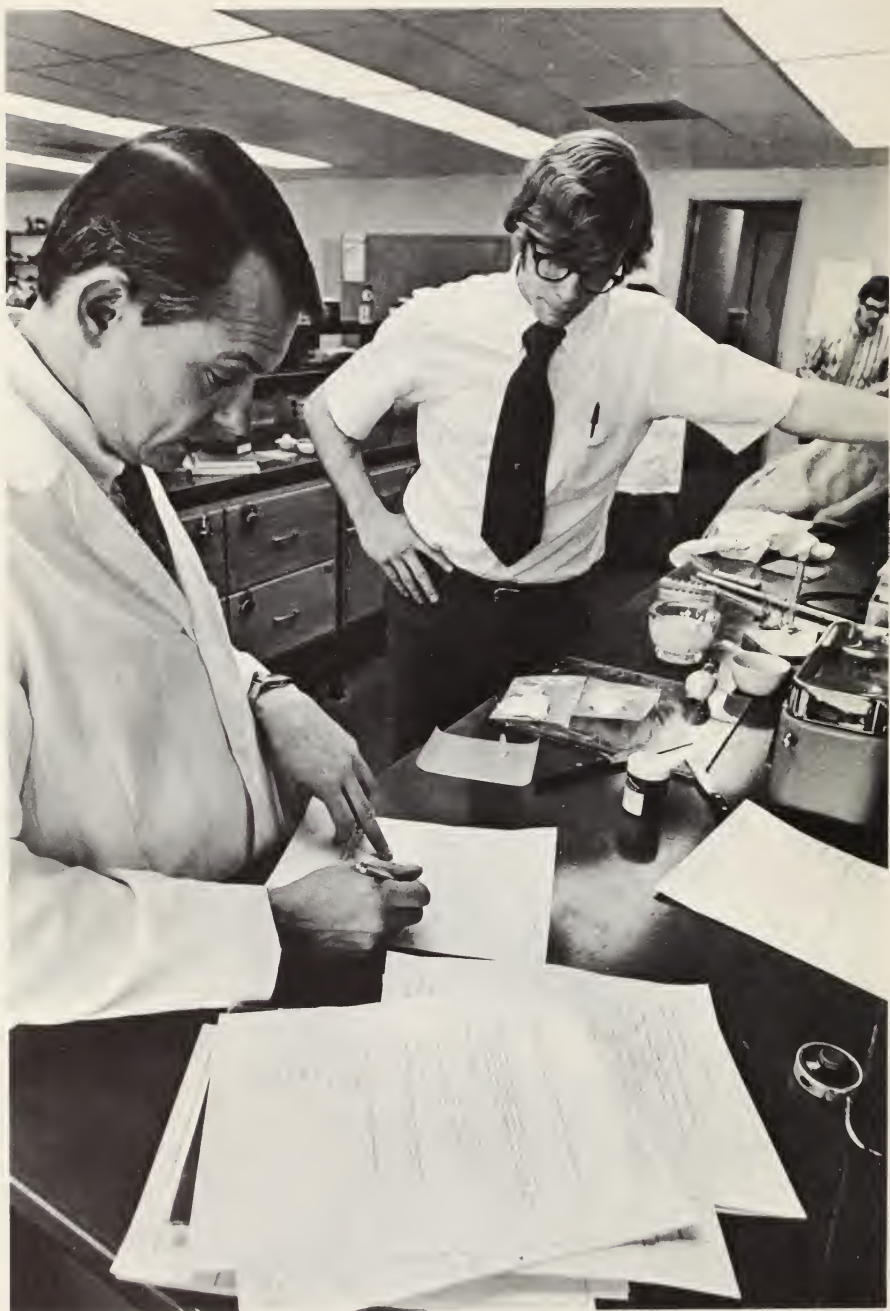
## HONOR SOCIETIES

Pharmacy students who comprise the top fifteen percent of their class academically may be invited to join Rho Chi, the national honorary pharmaceutical society. The invitation is usually extended during the last quarter of the second professional year. Pharmacy students are also eligible for membership in Phi Kappa Phi, national honor society, and various leadership societies on campus.

## AWARDS

Beginning in 1948 and continuing annually thereafter, the School of Pharmacy has sponsored an awards banquet at which outstanding academic achievement, leadership and devotion to the profession by students are recognized. These awards may be scholarships, trophies, certificates, books or monetary. By design, a majority of the awards presented at the banquet are to seniors but some are designated for first and second year students.





# COURSES OF INSTRUCTION

## *320. Pharmacy Orientation. 3 hours.*

Prerequisite: First professional year standing or consent of instructor. Introduction to the University campus and the School of Pharmacy. Evolution and development of the profession. Current practices, trends, opportunities and ethical standards.

## *321. Pharmaceutical Preparations. 4 hours.*

Prerequisite: First professional year standing or consent of instructor. An introduction to dosage forms, their methods of preparation, and selected products of pharmacy.

## *323. Pharmaceutical Calculations. 3 hours.*

Prerequisite: Math 100-101 and first professional year standing or consent of instructor. A study of calculations involved in the practice of the profession of pharmacy.

## *406, 407, 408. Compounding and Technology. 4 hours, each.*

Three hours lecture and three hours laboratory weekly. Prerequisite: Pharmacy 320, 321, 323, Physics 128, Chem. 223 and 341. The general consideration of the underlying principles of dosage form design, compounding, and technology. Laboratory work involves the preparation and evaluation of the various dosage forms and the dispensing of compounded prescriptions.

## *537, 538, 539. Dispensing Pharmacy. 4 hours, each.*

Two hours lecture and six hours laboratory weekly. Prerequisite: Pharmacy 390 and 408. An integration of the pharmaceutical sciences and the practice of pharmacy. Attention is directed toward the procedures and precautions necessary in the preparation and dispensing of medication. Special emphasis is placed on drug literature, drug stability, drug interactions, and drug therapy.

## PHARMACOGNOSY

### *404, 405. Pharmacognosy. 4 hours, each.*

Prerequisite: Completion of first professional year requirements. The study of drugs of plant and animal origin with emphasis on classification, pharmacological actions, and therapeutic use.



## PHARMACOLOGY

449, 450. *Medical Physiology*. 4 hours, each.

Prerequisite: Completion of first professional year requirements. Principles of physiology are studied with consideration being given to those functions altered by drugs.

581, 582, 583. *Pharmacology*. 4 hours, each.

Four hours lecture weekly for 581, three hours lecture and three hours laboratory weekly for 582 and 583. Prerequisite: Pharmacy 440-447-450. Drugs are discussed as to their pharmacological actions, toxicology, and therapeutic application.

## PHARMACEUTICAL ADMINISTRATION

390. *Pharmaceutical Law*. 3 hours.

Prerequisite: First professional year standing or consent of instructor. A review of the various laws involved in pharmaceutical prescription practice and a study of the state and federal regulations including organization enforcement procedures. Consideration is also given to case histories involving negligence and malpractice.

510. *Pharmaceutical Accounting*. 5 hours.

Lecture and recitation. Elementary accounting principles and procedures suitable for small and medium size stores operated by independent owners.

596, 597. *Drug Store Operations*. 4 hours, each.

Prerequisite: 510. A study of the methods, policies and practices pertaining to modern merchandising techniques, as buying, pricing, sales promotion, etc., the planning of lay-out and physical equipment that has proven successful in drug stores in America. This course will also cover the principles of stock control and advertising.

## MEDICINAL CHEMISTRY

322. *Inorganic Pharmacy*. 3 hours.

Prerequisite: Chemistry 223 and 340. A study of inorganic chemical compounds and preparations of value in human therapy.

402. *Drug Assay*. 5 hours.

Three hours lecture, six hours laboratory. Prerequisite: Chemistry 280 and 340. Official and standard methods of analysis of pharmaceuticals. The student is introduced to techniques and instrumentation used by the modern pharmaceutical firm.

440, 441. *Medicinal Chemistry*. 4 hours, each.

Prerequisite: Chemistry 343. A study of important pharmaceutical organic products, natural and synthetic. This study includes the physical and chemical properties which pertain to the mechanism of biological action, metabolism and toxicology.

447. *Biopharmacy*. 5 hours.

Four hours of lecture and three hours of laboratory. Prerequisite: Chemistry 343. A study of intermediary metabolism and metabolic regulation. Drug interaction with biochemical systems will be introduced. The laboratory deals primarily with diagnostic chemical tests.

The following courses in the pharmacy curriculum are taught by the faculty of the College of Arts and Sciences. A description of the courses may be found in the College of Arts and Sciences section of The University of Georgia General Catalog.

MICROBIOLOGY 350, General Microbiology: MICROBIOLOGY 352, Microbiology and Disease: CHEMISTRY 340-1-3, Organic Chemistry: CHEMISTRY 280, Quantitative Inorganic Analysis.

## UNDERGRADUATE PROFESSIONAL ELECTIVES

Prerequisite for all undergraduate professional electives: completion of second professional year requirements or consent of instructor.

### 501. *Public Health*. 3 hours.

A study of the prevention and control of diseases; promotion of public health and welfare; sanitary control of water, food and sewage; municipal, state and federal health regulations; and other problems of a general health nature.

### 521. *Special Topics in Pharmacy*. 3 or 5 hours.

Three or five lecture periods or the equivalent in laboratory periods.

### 522. *Industrial Pharmacy I*. 3 hours.

Two lecture and three laboratory hours weekly. Lectures to include a study of equipment used in pharmaceutical manufacturing. Laboratory work to involve pilot plant scale manufacturing.

### 524. *Institutional Pharmacy*. 3 hours.

A study of the history, organization structure, and operational policies and procedures of various types of health care institutions. Consideration is given to the pharmaceutical services rendered in hospitals extended care facilities, and nursing homes.

### 549. *Radio-Pharmaceuticals*. 3 hours.

Procedures and techniques involved in the handling and use of radioisotopes in pharmaceutical practice.

### 584. *Toxicology*. 3 hours.

A study of the toxic mechanisms, toxic syndromes, antidotes, and emergency and supportive therapy for substances commonly implicated in accidental poisonings.

### 590. *Pharmacy Ethics*. 3 hours.

This course deals with the problems faced by the community pharmacist as he strives to strike a balance between the demands of economic competition on the one hand and the demands of professional ethics on the other.

### 594. *Prescription Accessory Products*. 3 hours.

A study of accessory products related to prescriptions, sickroom needs, rehabilitation and convalescent equipment, surgical supports and other appliances, and miscellaneous products of a general nature.

### 595. *Household and Animal Health Products*. 3 hours.

Three hours lecture and recitation. The study of fumigants, rodenticides, insecticides, fungicides, weed-icides, parasiticides and toxins, serums, vaccines, and related products commonly sold in the drug store. Ethics, economic and legal aspects will be stressed.

### 598. *Undergraduate Research Problem*. 3 or 5 hours.

An introduction to research. The course is designed to acquaint the student with the techniques of research. A problem will be assigned and the student will be expected to do library and laboratory work necessary to prepare an acceptable report.



Inquiries and requests for information and application forms should be addressed as follows:

*Office of the Dean  
School of Pharmacy  
University of Georgia  
Athens, Georgia 30601  
Telephone: (404) 542-1911*

*Information about Graduate programs:*

*Dr. J. P. LaRocca  
School of Pharmacy  
University of Georgia  
Athens, Georgia 30601  
Telephone: 404/ 542-3077*

*Housing for single students:*

*Department of University Housing  
University of Georgia  
Athens, Georgia 30601  
Telephone: 404/ 542-1421*

*Housing for married students:*

*Married Student Housing Office  
University of Georgia  
Athens, Georgia 30601  
Telephone: 404/ 542-1473*

*Payment of fees and deposits:*

*Treasurer's Office  
University of Georgia  
Athens, Georgia 30601  
Telephone: 404/ 542-2786*

*Scholarships and Loans:*

*Office of Placement and Student Aid  
University of Georgia  
Athens, Georgia 30601  
Telephone 404/ 542-3375*

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The University of Georgia*

*Design/Sharon Jones  
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