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Southeastern University of the Health Sciences

College of Osteopathic Medicine
College of Pharmacy
College of Optometry

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Letter From The President

What started out barely a decade ago as a dream for a more “people oriented” medical curriculum has evolved into a major health professions campus with colleges of osteopathic medicine, pharmacy, and optometry. Yet with our growth comes an enhanced dedication to excellence in health care and a desire to break through traditional barriers between the professional and patient communities.

Our mission is to train health professionals who will make an impact and fulfill a unique need in society. With our commitment to the underserved, and to geriatric, minority, and rural health care, we are reaching patients who have “fallen through the cracks” of the traditional medical system. We have led the way with programs that focus efforts on those in greatest need of care.

We are a unique school, and it is the difference we provide that contributes to the better health of the communities in which we serve. Our campus promotes the interaction of medical, pharmacy, and optometry students and faculty, and the resulting multidisciplinary environment provides for an enriched health education.

We continue our commitment to excellence in health education and in service to the community.

Morton Terry, D.O.
President
Morton Terry, A.B., D.O., M.Sc., F.A.C.O.I., President
Daniel M. Finkelstein, B.A., D.O., Vice President, Finance
Frederick Lippman, B.S., Vice President, External Affairs
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Anita Gleimer, B.A., M.B.A., Director of Medical Communications
Emil L. Todaro, B.A., D.O., Executive Director of Development
L. Daniel Valdes, B.A., Director of Development
Janice Gottlieb, M.A., M.L.S., Library Director
Royal Flagg Jonas, B.S., J.D., Legal Counsel
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General Surgeon

MERVIN MECK, D.O., Vice Chairman
New Smyrna Beach, Florida
General Practitioner

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Orthopedic Surgeon, Attorney

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Radiologist

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Obstetrician/Gynecologist

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Attorney

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North Miami Beach, Florida
Obstetrician/Gynecologist
President, Florida Osteopathic Medical Association

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Dade City, Florida
General Practitioner

ANTHONY OTTAVIANI, D.O.
Largo, Florida
Internist

DAVID RUSH
Ft. Lauderdale, Florida
President, APTEK Technologies

MORTON SMITH, D.O.
Miami, Florida
General Practitioner

B. BOYCE SWARTZ, D.O.
North Miami Beach, Florida
Orthopedic Surgeon

MORTON TERRY, D.O.
North Miami Beach, Florida
Internist
President, Southeastern University

JAY TISCHENKEL, R.Ph.
Beech Mountain, North Carolina
Retired President, Continental Corp.

SYLVIA URLICH, M.A.
Miami, Florida
Executive Director, Westchester General Hospital
History

The Southeastern University of the Health Sciences was born out of the commitment and determination of a core group of osteopathic physicians to further the profession and perpetuate the tradition of service unique to the practice of osteopathic medicine.

Through the course of exploring various possibilities, the founders devised a method to secure the necessary funding for what would be the nation's 15th college of osteopathic medicine.

The strategy involved the sale of Osteopathic General Hospital, a non-profit teaching institution they founded, managed, and supported for over twenty years.

OGH was sold to American Medical International and renamed Southeastern Medical Center. The proceeds from the sale were placed into an endowment fund created for the development of the college. The Southeastern College of Osteopathic Medicine, as it was first known, was chartered by the State of Florida in 1979 and was soon recognized by the American Osteopathic Association. In 1981, SECOM opened with a charter class of 40 students. In a few short years, incoming classes have grown to 100 students.

Then, in 1985, a task force was appointed to explore the feasibility of creating a College of Pharmacy. The task force recognized that a growing need existed in Florida for pharmacists and recommended that a College of Pharmacy be created at SECOM. In the Fall of 1987, the Southeastern College of Pharmacy opened with a charter class of 49 students.

SECOM administrative officers recognized a need for a school of optometry in the state, citing future population projections. SECOM's Board of Governors voted unanimously to form a College of Optometry.

December 6, 1988 was a doubly auspicious day for SECOM, for on that date the State Board of Independent Colleges and Universities conferred full university status on the school. The college then became known as the Southeastern University of the Health Sciences. SECOM's application to establish a College of Optometry was also approved, and in the Fall semester of 1989, the Southeastern University College of Optometry opened its doors with a charter class of 29 students.

To meet the needs posed by this rapid development, University officials purchased the Southeastern Medical Center in May, 1991. The former 224-bed hospital, which AMI closed in 1989, was renamed the Morton Terry, D.O., Building in honor of the founder and President of the University. It provides 154,000 square feet of additional renovated space for classrooms, laboratories, and office facilities, and houses the colleges of osteopathic medicine and optometry. It offers the community much needed primary care services on an out-patient basis, and provides medical students with clinical training and experience.

In eleven years SECOM has grown from a college of osteopathic medicine to a multidisciplinary health professions university complex with medical, pharmacy and optometry students sharing the facilities of a $25 million campus.
Campus

The Southeastern University of the Health Sciences is a complex of four modern buildings designed for educational, administrative and student-related functions. Situated in the heart of North Miami Beach in a quiet residential suburb close to transportation, recreation and housing, the campus offers an ideal environment for students and faculty members alike.

Central to the campus is the three-level Education Building. Completed in 1982, the building boasts two fully-equipped amphitheater-style lecture rooms housed in the eastern wing. A large open student commons area dominates the lobby level of the $4 million structure.

The second floor is being converted from offices to two large classrooms. Two state-of-the-art laboratories, four preparation rooms used for research and student lockers comprise the third floor.

The Student Activities Building, completed in 1988, offers a broad array of recreational and student activities. The building houses the university's expanded 12,000-square-foot library, which features a vast selection of medical books and professional journals. It is also the home of HARVEY, a computerized mannequin capable of simulating all normal and abnormal cardiac sounds. Designed to address the needs of a diverse student population, the building also features a 500-seat auditorium equipped with an advanced multi-media sound and light system, partition walls to transform the space into three separate classrooms, an Osteopathic Principles and Practice Laboratory, student cafeteria, lounge and a gymnasium.

The University's original building, the former administrative hub of the University and its three health professions schools, now serves as the base for the College of Pharmacy. A completely renovated, three-level structure, the building also contains pharmacy laboratories, a model community pharmacy dispensary used to provide clinical training for pharmacy students, and the school's Drug Information Center, which provides needed information on drugs and medications to health care professionals.

Near the campus are over 20 college-owned homes that have been renovated for student housing needs.

Public transportation is served by the nearby bus and rail systems and interstate and turnpike access is in close proximity to the campus. Two international airports at Miami and Fort Lauderdale serve the area.

The academic environment is complemented by the rich cultural and recreational amenities of North Miami Beach and nearby downtown Miami and Fort Lauderdale.
Financial Aid

Applicants should have specific plans for financing three to four years of professional education. This should include provision for tuition, living expenses, books, equipment, travel and miscellaneous expenses.

We encourage student applicants to investigate independent sources of funds. The Financial Aid Office will work with students to pursue all avenues concerning loans, scholarships and federal assistance programs. Separate financial aid programs are provided for the College of Osteopathic Medicine, College of Pharmacy and College of Optometry. These programs can be found under Financial Aid in the listing for the individual college. For more information on any financial aid program, contact the Financial Aid Director.

PHYSICAL EXAMINATION

Every incoming first-year student is required to have a complete physical examination by a licensed physician before registration. Forms to be completed by the student's physician are sent to each new student during the summer prior to the opening of college.

STUDENT HOUSING

Numerous apartments, condominiums and other rental housing facilities are available within a 5 mile radius of the University. Limited on-campus housing facilities are available from the school on a first come, first served basis. Students must secure their own accommodations. Information concerning both on and off campus housing may be obtained from the Office of the Registrar.

HEALTH INSURANCE

It is required that each student carry adequate personal medical and hospital insurance. It is strongly suggested that students and their families avail themselves of the insurance plan obtainable through the University. Students who choose another policy will be required to show proof of adequate medical coverage for the mandatory insurance.

Those with lapsed or inadequate insurance will be held financially responsible for obligations incurred prior to graduation.
The clinics owned and operated by the Southeastern University of the Health Sciences serve an important function and are an integral part of the training program. In addition, the clinics provide a vital community function by reaching areas that have traditionally been neglected by the private health sector.

The Broward Family Health Center, now in its fourth year of operation, is staffed and managed by the faculty of the Southeastern University, aided by family medicine residents. Additionally, the facility is used by senior medical students for clinical training rotations.

The clinic, a 16,000 square-foot structure at 1111 W. Broward Blvd., is located in an underserved area of Fort Lauderdale. The management of this healthcare facility, with the full support of SECOM’s nearby medical school, guarantees quality health care for the area’s residents.

The health center also contains a full service community pharmacy. This facility offers a full line of over-the-counter and prescription drugs and provides hands-on training to senior pharmacy and Pharm.D. students. Recently constructed as part of this unit is the Broward Family Eye Center, a full-service primary eyecare facility operated by the College of Optometry. With a complete array of examining and diagnostic equipment, the facility was modeled as a successful optometric practice site to give students experience in a real-life professional setting. Faculty optometrists staff the optical laboratory and dispensary, visual field testing room, and the five examination rooms of the over 2,000-square-foot unit. The mission of the eye center is to serve the community and provide students hands-on training in optometric practice under the supervision of faculty members. Fourth-year students will spend most of their time there on clinical training rotations.

The University also owns and operates the Family Health Center in Opa-Locka, an underserved inner-city community in the Greater Miami area. The clinic is used as a training center for medical, pharmacy and optometry students and for family medicine residents of the College of Osteopathic Medicine. Besides its training function, the center provides much needed service to the surrounding community.

A new Clinical Center is being established in the Terry Building. It will contain medical, pharmacy and optometry facilities and will service Northeast Dade County.
College of Osteopathic Medicine
College of Osteopathic Medicine

Administration

Matthew A. Terry, B.S., D.O., M.A., F.A.C.G.P., Dean
Howard Neer, B.A., D.O., Associate Dean for Clinical Affairs
Harold E. Laubach, B.S., M.S., Ph.D., Associate Dean for Basic Sciences
Marla Frohlinger, B.A., Assistant Dean for Admissions and Student Affairs
Mary R. Smith, Registrar
Patrick J. Gorman, B.H.S.A., Director of Student Financial Aid
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Anita Gleimer, B.A., M.B.A., Director of Medical Communications
Emil L. Todaro, B.A., D.O., Executive Director of Development
L. Daniel Valdes, B.A., Director of Development
Janice Gottlieb, M.A., M.L.S., Library Director
Royal Flagg Jonas, B.S., J.D., Legal Counsel
An Osteopathic Physician

A Doctor of Osteopathy (D.O.) is a highly-trained physician recognized to practice medicine and surgery in all 50 states on the same basis as other physicians.

Osteopathic medical education encompasses all phases of medicine and all scientifically accepted modalities of treatment. But, in addition, DOs bring to the practice of medicine an added dimension in the prevention, care and treatment of patients.

Osteopathic training emphasizes the relationship between physical structure (musculoskeletal) and organic function. Consequently, DOs view the human body as an interdependent unit, rather than an assortment of separate parts and systems. To maintain or restore the harmonious relationship between structure and function, DOs use manipulative therapy, when indicated, to facilitate the healing process. This form of therapy may be used alone or in combination with drugs, x-ray or surgery. Or, it may not be used at all, depending on the diagnosis.

This concept of “whole patient” care coupled with a training program stressing family medicine practice produces highly qualified physicians who are different by design. As a result, DOs have shaped a profession with some unique characteristics. For example:

- Over 65 percent of all DOs are in family practice or one of the primary care specialties, such as internal medicine, obstetrics or pediatrics.

- More than 66 percent of all DOs practice in communities of 50,000 population or less.

- DOs represent only five percent of the total physician population, but provide health care services to ten percent of the people, some 23 million Americans.

- DOs comprise 13 percent of the total physician manpower in the Medical Corps of the Armed Forces.

Because osteopathic physicians provide something more, not something else, communities are experiencing a period of phenomenal need for osteopathic services. A study of osteopathic education funded by the Kellogg Foundation called Osteopathic Medicine “The fastest growing health care profession.”

SECOM views with pride the role it is playing in the ongoing development of osteopathic medicine.
ACADEMIC CALENDAR
1991-92
FALL SEMESTER

Monday, August 5, 1991 ........................................... 8:10 A.M. Junior Class 5th Semester Begins.
Saturday, August 10, 1991 ........................................ Freshman Orientation.
Sunday, August 11, 1991 .......................................... Registration.
Monday, August 12, 1991 .......................................... 8:10 A.M. Freshman & Sophomore Classes Begin.
Wednesday, November 27, 1991 ............................... 5:00 P.M. Thanksgiving Recess Begins.
Friday, December 20, 1991 ...................................... 5:00 P.M. Freshman & Sophomore 1st Semester Ends.
Winter Recess Begins.

SPRING SEMESTER

Monday, February 17, 1992 ...................................... Presidents' Day, No Classes.
Thursday & Friday, March 19 & 20, 1992 .................. National Board Exams, Part II.
Friday, April 10, 1992 ............................................. 5:00 P.M. Spring Recess Begins.
Monday, April 20, 1992 .......................................... 8:10 A.M. Freshman & Sophomore Classes Resume.
Friday, May 1, 1992 .................................................. 5:00 P.M. Senior Class Phase II Ends.
Friday, May 4, 1992 .................................................. 8:10 A.M. Senior 8th Semester Begins.
Monday, May 5, 1992 ............................................... 5:00 P.M. Freshman & Sophomore Classes End.
Friday, May 15, 1992 .............................................. 8:10 A.M. Freshman & Sophomore Final Exams Begin.
Monday, May 18, 1992 ............................................. 5:00 P.M. Freshman & Sophomore 2nd Semester Ends.
Monday, May 25, 1992 ............................................. Memorial Day.
Friday, May 29, 1992 ............................................... 5:00 P.M. Senior 8th Semester Ends.
Thursday & Friday, June 11 & 12, 1992 ................... National Board Exams, Part I.
Curriculum changes at the College of Osteopathic Medicine are currently in the development stages. The College of Osteopathic Medicine will publish a supplement to the 1991-93 Southeastern University catalog which will outline the new curriculum schedule. This supplement will be available in Spring, 1992.
Requirements For Admission

Applicants for admission to the first-year class must meet the following requirements prior to matriculation:

1. A Bachelor's degree from an accredited college or university.

2. Completion of one academic year (generally eight semester hours) of each the following:
   - GENERAL BIOLOGY, including laboratory
   - INORGANIC CHEMISTRY, including laboratory
   - ORGANIC CHEMISTRY, including laboratory
   - PHYSICS, including laboratory
   - ENGLISH COMPOSITION AND LITERATURE

   These are minimum academic requirements for admission to Southeastern University College of Osteopathic Medicine. Students are urged to enroll in additional courses in behavioral sciences, cultural subjects and the humanities. Embryology and Genetics are also suggested.

3. All applicants are required to take the Medical College Admissions Test (MCAT). It is strongly recommended that the examination be taken in the spring of the year preceding the admissions date. If the applicant feels that test scores are unsatisfactory, the examination may be retaken. Only the best set of scores is considered. All scores are to be forwarded to AACOMAS (American Association of Colleges of Osteopathic Medicine Application Service), 6110 Executive Boulevard, Suite 405, Rockville, Maryland 20852.

   Applications for the MCAT may be obtained from your college's pre-professional advisor's office, the SECOM admissions office or by writing directly to the Medical College Admission Test, Box 451, Iowa City, Iowa 52240.

   The discipline of intensive study required by osteopathic medicine makes the attainment of a superior GPA in undergraduate studies essential.

ACCREDITATION

Southeastern College of Osteopathic Medicine (SECOM) has been granted accreditation by the Bureau of Professional Education of the American Osteopathic Association. This body is recognized by the U.S. Department of Education and the Council on Post-secondary Accreditation as the accrediting agency for colleges educating osteopathic physicians and surgeons.

SECOM has also been licensed by the State Board of Independent Colleges and Universities of Florida.
Application Procedure

Inquiries for admission should be addressed to the Admissions Office, Southeastern University of the Health Sciences College of Osteopathic Medicine, 1750 Northeast 167th Street, North Miami Beach, Florida 33162-3097.

SECOM participates in the American Association of Colleges of Osteopathic Medicine Application Service (AACOMAS) for the receipt and processing of all applications. AACOMAS takes no part in the selection of students.

AACOMAS application packets may be obtained from SECOM in person or by writing directly to AACOMAS, 6110 Executive Boulevard, Suite 405, Rockville, Maryland 20852.

The following information must be completed before application may be reviewed by SECOM's Admissions Committee:

1. Materials to be mailed directly to AACOMAS — must be received by January 1st:
   A. AACOMAS Application
   B. An official transcript from the Registrar of each college or university in which the student was enrolled (mailed directly by the college to AACOMAS).
   C. MCAT scores.

2. Materials to be mailed to SECOM by February 15th:
   A. Supplemental Application (sent to applicant by SECOM on receipt of AACOMAS application).
   B. Application fee of $50.00 (non-refundable).
   C. Letter of recommendation from an osteopathic physician is required.
   D. A letter of recommendation from the Preprofessional Committee, or if such committee does not exist, three letters of recommendation, two from science professors and one from a liberal arts professor.

Upon receipt of the completed application and required credentials, the Committee on Admissions will select those who are to be interviewed. Those applicants who are selected will be notified in writing as to the time and place. All applicants who are eventually accepted must be interviewed, but an invitation to appear for an interview should not be construed by the applicant as evidence of final acceptance.

All application credentials must be received by the Admissions Office no later than February 15th.

Notice of acceptance or other action by the Committee on Admissions will be on a “rolling” or periodic schedule. Early completion of the application is, therefore, in the best interest of the student.
Tuition and Fees

The Board of Trustees has established the following tuition and fees:

1. Tuition - $12,325 for 1991-92 academic year for Florida residents and $16,325 for residents of all other states. In addition, a Student Activities Fee of $100 is required.

2. Acceptance Fee — $1,000. This fee is required to reserve the accepted applicant's place in the entering First Year Class. This advance payment will be credited to the tuition payment due on registration day but is not refundable in case of withdrawal. Payment of the first deposit of $250 is due no later than two weeks after the applicant’s date of acceptance. Payment of the second deposit of $750 is due March 15.

3. Pre-registration Fee — $1,000. Due May 1st, under the same conditions as Acceptance Fee.

All tuition and fees, less the $2,000 paid in advance, are due on or before Registration Day. Students will not be admitted to classes until their financial obligations have been met.

*NOTE: Tuition and fees are subject to change at any time at the discretion of the Board of Trustees. Fees are neither refundable nor transferable.

Schedule of Application — Admission Cycle

JUNE: Application cycle for following academic year begins. Inquiries are invited by SECOM, and AACOMAS forms will be made available.

JULY: Credentials sent to AACOMAS are processed and applicant records sent to SECOM.

A supplementary application will then be sent to the applicant. When it is completed and returned to SECOM and recommendations are received, the completed application will be evaluated for interview.

OCTOBER: Personal interviews start.

MARCH 1: Deadline for applications to AACOMAS.

APRIL 15: Deadline for supplemental applications.

MAY 1: Pre-registration fee is due.
Financial Aid

The primary purpose of the Student Financial Aid Program at SECOM is to help as many qualified students as possible attend and complete medical college. The college believes that the primary financial responsibility for a student's education rests with the student and his family, but realizes that the economic circumstances of some families make it necessary for the student to obtain assistance from other sources.

Most aid awards are based on the financial need of the applicant. Eligibility for financial aid is determined by subtracting the expected family contribution (available sources) from the appropriate budget. The difference is the student's computed financial need. It is the computed financial need (budget minus resources) that the financial aid office attempts to meet in making financial aid awards.

Aid recipients are required to report promptly to the financial aid office any additional financial assistance, such as outside scholarships, grants, and loans.

The section below provides a brief summary of scholarship and other sources of financial aid from the State of Florida, the osteopathic profession, and the Federal government.

SECOM-ADMINISTRATION PROGRAMS

College Work Study (CWS). This program provides financial aid in the form of part-time employment to enable students to earn some of their educational-related expenses. As a rule, students will normally work ten hours per week and up to forty hours during summer and other vacation periods. A student's College Scholarship Services (CSS) Financial Aid Form, SECOM Financial Aid Application, financial aid transcripts, and all tax forms or their equivalent, must be on file for the student to be eligible.

SECOM Minority Scholarship in Osteopathic Medicine.

Amount: Full Tuition for four years.
Eligibility: Entering SECOM Freshman; U.S. citizen or permanent resident; resident of Florida; minority status (strong preference given to members of minority groups considered under-represented in medicine). Selection based on overall qualifications and financial need.

Short Term Emergency Loans. These loans are for emergency purposes and are available with the amount and duration to be determined in each case by the President or his designee.

OSTEOPATHIC PROFESSION SCHOLARSHIP/LOAN PROGRAMS

A.O.A.-N.O.F. Student Loan Fund. National Loans from this source are available to students who are in their third or fourth year in a college of osteopathic medicine. The maximum loan is for $2,000 with an interest rate of 8% from date of issuance. Interest payments are due on May 31 of each year. All loans are payable two years after graduation, or three years after graduation if the recipient serves an AOA-approved internship. Application forms are available in the Financial Aid Office.
Auxiliary to the AOA Scholarships. Students who rank in the top 20% of the class are eligible to apply for a $2,000 scholarship at the end of their freshman year.

Russell C. McCaughan Scholarship. This is a $400 scholarship awarded to one student from each osteopathic college on completion of the first year.

STATE

Auxiliary to the Florida Osteopathic Medical Association Scholarship/Loan Fund. A.F.O.M.A. awards Scholarship Loans to deserving osteopathic students who are in need of financial assistance in order to pursue an osteopathic medical education. The note carries interest from its date of issuance at the rate of six percent. Applicants must be United States citizens and legal residents of the State of Florida.

Auxiliary to the Pinellas County Osteopathic Medical Society, Florida. This is an interest-free loan of approximately $1,000. The qualifications for applicants are: residency in Pinellas County, Florida; demonstrated financial need; and good standing as a student, preferably in junior or senior year.

Kiwanis Club of North Miami Beach Scholarship Loan Fund. This is a 6% simple interest loan in the amount of $1,000. The applicant should demonstrate financial need.

Georgia Osteopathic Medical Loan. Awards of up to $10,000 per year are available to legal residents of the State of Georgia accepted for admission to, or enrolled in good standing at, an osteopathic medical school. Recipients must express a willingness to practice primary care medicine in a medically underserved area in Georgia. Applications can be secured from the Financial Aid Office. Repayment can be cancelled on a year-for-year basis through primary care practice in an underserved area of Georgia.
FEDERALLY SPONSORED SCHOLARSHIP PROGRAMS

Exceptional Financial Aid (EFN) Scholarships. This federally sponsored program provides a limited number of scholarships to students whose needs analysis indicates that neither they nor their parents have any financial resources available to meet the cost of attending medical school. An official need analysis report containing all student and parental financial information, SECOM Financial Aid Application, financial aid transcripts, and all tax forms or their equivalent, must be on file for the students to be deemed eligible. Candidates' files are reviewed in late July or early August. Note: in addition to the above eligibility criteria, to be considered for this scholarship a student must be a U.S. citizen or permanent resident.

FEDERAL SERVICE OBLIGATED SCHOLARSHIPS

Armed Forces Health Profession Scholarship Program (HPSP). These awards are competitive. The award will cover the costs of tuition, fees, books, supplies and a monthly taxable stipend for a year. Recipients must repay that branch of service (Army, Air Force, Navy) one year's active service as a commissioned officer for each year of scholarship support. Minimum obligation is three years.

For further information, contact your nearest Army, Air Force, or Navy recruiter or the Financial Aid Office.

OUTSIDE LOANS/SCHOLARSHIPS/FELLOWSHIPS

Stafford Student Loan (formerly GSL). This loan program enables graduate/professional students to borrow up to $7,500 per academic year with an overall aggregate to $54,000, including undergraduate loans. These loans are government subsidized. The interest is paid by the federal government while the student is in school and during deferment and grace periods.

Health Education Assistance Loan (HEAL). This is a variable interest rate, unsubsidized loan. The maximum is $20,000 per academic year to an aggregate total of $80,000. However, total aid including the HEAL loan must be within applicable budget and need limits.

Supplemental Loan for Students (SLS). The SLS program awards $4,000 per year up to a total aggregate amount of $20,000. The interest is assessed at a variable rate with a 12 percent ceiling. The loan may not exceed the total educational cost minus financial aid awarded.

Veterans' Benefits. Students attending Southeastern College of Osteopathic Medicine are eligible to receive Veterans' benefits under Chapters 30, 31, 32, 34 and 35. For further information and certification material, please contact the Financial Aid Office.
National Medical Fellowships, Inc. This private organization makes awards based on demonstrated financial need. Awards are intended to supplement aid received from other sources. The number of awards is determined by the funds available.

Eligibility Criteria: Applicants must be U.S. citizens or permanent residents who have filed a declaration of intent to become a U.S. citizen, and must be from a minority group considered under-represented in medicine (Blacks, Mexican Americans, American Indians, and mainland Puerto Ricans), and in their first or second year of studies.

We encourage our student applicants to investigate independent sources of funds, such as corporations in which family or relatives are employed, and religious or fraternal groups and service organizations in the localities where the applicant or his/her family resides.

The financial aid administrator stands ready to assist students in pursuing any and all of these avenues.

For further information on any of the listed programs contact the financial aid officer.

Requirements For Graduation

In order to be eligible for the degree of Doctor of Osteopathy, each student shall:

a) Be at least twenty-one years of age.
b) Be of good moral character.
c) Have satisfactorily passed all prescribed examinations.
d) Have satisfactorily completed the program of study required for the degree, including all assignments.
e) Have satisfactorily discharged all financial obligations.
f) Take Parts I and II of the National Board Examination.
g) Attend in person the commencement program at which time the degree is conferred.
h) Have been a student in an accredited osteopathic college for at least four academic years.

The College reserves the right, and the student, by his/her act of matriculation, concedes to the College the right to require his/her withdrawal at any time the College deems it necessary to safeguard its standards of scholarship, conduct and compliance with regulations or for such other reasons as are deemed appropriate.
Course of Study

SECOM's four-year curriculum leading to the DO degree has for its goal the preparation of the student for the general practice of osteopathic medicine. A qualified faculty of certified and board-eligible physicians, competent PhDs, and supportive staff will carry out the program’s objectives.

The first two and one-half years of instruction are devoted to developing a good foundation in the basic sciences (anatomy, microbiology, patholology, biochemistry, physiology and pharmacology) along with didactic studies in the clinical sciences, including osteopathic principles and practice and the humanities. Clinical sciences are introduced in the first year, and are gradually expanded as the student progresses in his/her course. "Hands-on" experience is provided regularly to enhance the learning process.

Starting with the sixth semester, emphasis will be on actual clinical training, which includes teaching rotations in affiliated hospitals, clinics and health centers as well as in the offices of selected physicians. Under the direct supervision of qualified physicians, students will learn to assume an increasingly greater share of responsibility for all phases of patient care.

After 17 months of clinical service, students will return to campus for an eighth semester consisting of basic and clinical science correlations, and professional and personal preparation for internship, residency and practice.

Throughout the course of study the principles and practice of osteopathic medicine, emphasizing manipulative techniques, will be applied in specific fields. Special attention will be given to important aspects of community medicine including geriatrics, minority medicine, and the humanities.
# CURRICULUM OUTLINE

## FIRST YEAR, FIRST SEMESTER

<table>
<thead>
<tr>
<th>COURSE</th>
<th>HOURS</th>
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<tbody>
<tr>
<td>Anatomy I (Embryology)</td>
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<td>Anatomy II (Histology)</td>
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<td>Anatomy III (Gross Anatomy of the Trunk and Extremities)</td>
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<tr>
<td>Biochemistry I (Introduction, Metabolism)</td>
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<td>Dean's Hour</td>
<td>18</td>
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<tr>
<td>Emergency Medicine I (First Aid)</td>
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<tr>
<td>Emergency Medicine II (Basic Cardiac Life Support)</td>
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<tr>
<td>Medical Humanities I (History of Medicine)</td>
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<tr>
<td>Medical Humanities II (Humanities in Medicine)</td>
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<tr>
<td>OP&amp;P I (General Principles and Techniques)</td>
<td>72</td>
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<tr>
<td>Physiology I (General)</td>
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**TOTAL HOURS 617**

## FIRST YEAR, SECOND SEMESTER

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<tr>
<td>Anatomy IV (Head and Neck)</td>
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<td>Anatomy V (Neuroanatomy)</td>
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<tr>
<td>Biochemistry II (Nutrition, Organ Systems)</td>
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<tr>
<td>Dean's Hour</td>
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<td>Family Medicine I (Art of History Taking)</td>
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<td>Medical Humanities III (Human Sexuality)</td>
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<td>Microbiology I (Immunology, Bacteriology)</td>
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<td>OP&amp;P II (Regional Principles and Techniques)</td>
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<td>Physiology II (Systems)</td>
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<td>Psychiatry I (Introduction to Psychiatry)</td>
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**TOTAL HOURS 554**

## SECOND YEAR, FIRST SEMESTER

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<tbody>
<tr>
<td>Community Medicine I (Biostatistics)</td>
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<td>Community Medicine II (Survey of Community Medicine)</td>
<td>8</td>
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<td>Medical Communications I (Writing, Speaking and Computers)</td>
<td>18</td>
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<td>Microbiology II (Mycology, Parasitology, Virology)</td>
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<td>Neurology</td>
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<td>OP&amp;P III (Systemic Dysfunctions)</td>
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<td>Pathology I (General Pathology)</td>
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<td>Pharmacology</td>
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<td>Psychiatry II (General Psychiatry)</td>
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<td>Surgery I (Basics in Surgery)</td>
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<td>Surgery II (General Surgery)</td>
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**TOTAL HOURS 518**
### SECOND YEAR, SECOND SEMESTER

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<td>Community Medicine III (Tropical Medicine)</td>
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<td>Community Medicine IV (Health Care Delivery)</td>
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<td>Dermatology</td>
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<td>Family Medicine II (Rural Medicine)</td>
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<td>Family Medicine III (Hospital Practicum)</td>
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<tr>
<td>Internal Medicine I (Endocrinology)</td>
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<tr>
<td>Internal Medicine II (Pulmonary)</td>
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<td>Internal Medicine III (Gastroenterology)</td>
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<td>Obstetrics and Gynecology I (Gynecology)</td>
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<td>Ophthalmology</td>
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<td>Pediatrics I</td>
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<td>Pharmacology</td>
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<td>Psychiatry III (Special Problems and Substance Abuse)</td>
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<td>Radiology (Clinical Radiology)</td>
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<td>Surgery IV (Urology)</td>
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<td><strong>TOTAL HOURS</strong></td>
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### THIRD YEAR, FIRST SEMESTER

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<td>Community Medicine V (Medical Jurisprudence)</td>
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<td>Emergency Medicine III (Advanced Cardiac Life Support)</td>
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<td>Emergency Medicine IV (Emergency Medicine)</td>
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<td>Family Medicine IV (Geriatrics)</td>
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<td>Family Medicine V (Minority Medicine)</td>
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<td>Family Medicine VI (Nutrition)</td>
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<td>Family Medicine VII (Patient Procedures and Management)</td>
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<td>Family Medicine VIII (Medical Problem Solving)</td>
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<td>Family Medicine IX (Physical Medicine and Rehabilitation)</td>
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<td>Family Medicine X (Sports Medicine)</td>
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<td>Family Medicine XI (Clinical Practicum)</td>
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<td>Internal Medicine IV (Rheumatology)</td>
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<td>Internal Medicine V (Allergy)</td>
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<td>Internal Medicine VI (Infectious Diseases)</td>
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<td>Internal Medicine VII (Nephrology)</td>
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<td>Internal Medicine VIII (Hematology, Oncology)</td>
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<td>Medical Humanities IV (Religion, Philosophy and Ethics in Medicine)</td>
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<td>Obstetrics and Gynecology II (Obstetrics)</td>
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<td>Pediatrics II</td>
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<td>Surgery VI (Proctology)</td>
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<td><strong>TOTAL HOURS</strong></td>
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THIRD AND FOURTH YEARS

Clinical Rotations — Phase I
- Family Medicine
- Internal Medicine
- Pediatrics
- Psychiatry
- Surgery

Clinical Rotations — Phase II
- Elective
- Geriatrics
- Internal Medicine
- Obstetrics/Gynecology
- Out-Patient Clinics, 3 months
- Rural Medicine
- Selective - Medical
- Selective - Surgical
- Surgery and Surgical Specialties
- Vacation

FOURTH YEAR, SECOND SEMESTER
EIGHTH SEMESTER — (1 MONTH)

This semester consists of full-time teaching correlation seminars as well as sessions relating to personal and professional preparation for internship, residency and practice. More than 160 hours of activity are included in this semester.
Anatomy

Chairman & Professor: G.R. Conover; Professor: G.C. Ericson; Professors Emeriti: A.C. Higginbotham, F.H. Higginbotham; Associate Professors: L.B. Dribin, J.C. Lanning; Assistant Professor: S.F. Simpson

Anatomy I HISTOLOGY & EMBRYOLOGY 112 Hours
A detailed study of cells, tissues and organs of the body as seen through the light microscope, involving both lectures and laboratory work. Transmission and scanning electron micrographs are also studied. A brief introduction to human embryology from gametogenesis to formation of the trilaminar disc, including placentation is included in this course. Development of organ systems is studied in appropriate areas of Gross Anatomy and Neuroanatomy.

Anatomy II GROSS ANATOMY OF THE TRUNK & EXTREMITIES 129 Hours
A detailed study of the gross structure of the human trunk and extremities, including dissection by teams of four students.

Anatomy III GROSS ANATOMY OF THE HEAD & NECK 66 Hours
Continuation of Anatomy II with dissection of the head and neck excluding the brain.

Anatomy IV NEUROANATOMY 52 Hours
A study of the gross structure of the brain and spinal cord and the functional relationship among their parts. Emphasis is placed upon major motor and sensory pathways and integrative mechanisms of the central nervous system.

Anesthesiology

Chairman & Associate Professor: R.H. Sculthorpe; Clinical Assistant Professor: E.L. Lowery; Instructor: G.J. Arcos; Clinical Instructors: C. Friedman, B. Hindin;

ANESTHESIOLOGY 9 Hours
This course will present the student with the fundamentals of clinical anesthesia including pre-operative and post-operative care, selection of anesthesia, and intra-operative management with both general and regional anesthetics. It will provide the background knowledge necessary for family physicians who may be responsible for the preparation and after-care of their patients undergoing anesthesia.

Biochemistry

Chairman & Professor: K.H. Woodside; Associate Professor: E.E. Groseclose; Assistant Professor: E.O. Keith

Biochemistry I INTRODUCTION AND METABOLISM 109 Hours
This course considers the biochemical reactions and pathways which form the basis for an understanding of normal human health. Laboratory exercises, some involving student volunteer subjects, are included. Several clinical correlation conferences serve to illustrate the normal pathways of metabolism by presenting data on specific diseases.

Biochemistry II NUTRITION AND ORGAN SYSTEMS 53 Hours
Nutrition from a biochemical viewpoint, the biochemistry of the gastrointestinal, pulmonary, renal, muscular and other systems, and endocrinology will be studied. Several laboratories and clinical correlation conferences will be included.
Community Medicine

Chairman & Assistant Professor: W.D. Kirsh; Professor: F. Lippman; Professor Emeritus: C.L. Brumback; Clinical Professor: M. Morganstine; Associate Professor: R.A.J. Fernandez; Clinical Associate Professors: H.H. Mones, M. Rosenbluth, B.B. Slaughter, P.E. Varidin, R.D. Knapp, S.B. Zucker; Adjunct Associate Professor: M. Casper; Assistant Professors: C. Aceves-Blumenthal, E.H. Clouse, D.P. Lipson; Clinical Instructor: D.R. James

Community Medicine I SURVEY OF COMMUNITY MEDICINE 12 Hours
A socio-economic overview of "public health" with emphasis on the last 20 years. Course work focuses on health statistics, epidemiology, medical sociology, environmental and occupational medicine, quality of care and manpower management. The role of government is contrasted to the historic "non-involvement" of primary medicine.

Community Medicine II BIOSTATISTICS 6 Hours
The student will be introduced to some of the basic concepts of medical biostatistics. Basic terminology, as well as evaluation of medical research and literature, will be stressed.

Community Medicine III TROPICAL MEDICINE 9 Hours
The Tropical Medicine section of Community Medicine covers the diseases found in subtropical and tropical climates. Emphasis is placed on etiology, epidemiology, prevention and treatment of the disease conditions.

Community Medicine IV HEALTH CARE DELIVERY 9 Hours
An overview of the existing methods of bringing health care to the community. Individualism and old traditions are contrasted with the need for balancing availability of services with equitable costs and quality of care.

Community Medicine V MEDICAL JURISPRUDENCE 18 Hours
A seminar and lecture series designed to give the student an appreciation of physician-attorney relationships. An appropriate positive viewpoint is developed relative to court appearances of physicians and preparation of medical reports related to legal issues.

Dermatology

Chairman & Associate Professor: H.A. Schwartzberg; Clinical Professor: I. Feldman; Clinical Assistant Professors: P.E. Dermer, G. Siegel, S.E. Skopit

DERMATOLOGY 18 Hours
This course will cover basic diagnostic and laboratory methods used to classify and diagnose dermatologic problems. Simple office surgical techniques will also be covered.

Emergency Medicine

Emergency Medicine I FIRST AID
The goal of this course is proficiency in basic first aid. It is based on the Emergency Medical Technician introductory course and prepares the student to render first aid in all situations.

Emergency Medicine II BASIC CARDIAC LIFE SUPPORT
This course in basic cardiac life support is approved by the American Heart Association and leads to certification upon successful completion.

Emergency Medicine III ADVANCED CARDIAC LIFE SUPPORT
The student will take an advanced cardiac life support course approved by the American Heart Association. Current certification in basic cardiac life support is a prerequisite for this course.

Emergency Medicine IV EMERGENCY MEDICINE
This course stresses the prompt recognition and emergency management of both common and serious problems.

General Practice/Family Medicine


Family Medicine I PATIENT EVALUATION
The purpose of this course is to introduce the student to patient evaluation techniques. The student is exposed to standard history taking, physical examination and recognition of non-verbal and other clues.
Family Medicine II RURAL MEDICINE
The student is introduced to the concepts of a rural practice. The role of the rural practitioner is explored looking at both the advantages and disadvantages.

Family Medicine III HOSPITAL PRACTICUM
Students will be taught hospital techniques in preparation for clinical rotations. Training time will be assigned in a variety of areas at SECOM’s teaching hospitals. Patient evaluation will be stressed.

Family Medicine IV GERIATRICS
This course will review the normal geriatric patient as well as covering pertinent pathological processes. Bio-psycho-social aspects will be stressed.

Family Medicine V MINORITY MEDICINE
Problems inherent in the delivery of health care to minority groups are discussed. A significant portion of the course will deal with communications, cultural factors, compliance and the doctor-patient relationship.

Family Medicine VI NUTRITION
The student will be taught a detailed course in normal and abnormal nutrition. Included are the assessment of nutritional status and a discussion of many of the prevailing diets.

Family Medicine VII PATIENT PROCEDURES & MANAGEMENT
The student will be prepared for some of the procedures encountered in clinical rotation. The goal is to ensure familiarity with these procedures.

Family Medicine VIII MEDICAL PROBLEM SOLVING
Here, the student is required to demonstrate high-order problem solving ability through case studies and medical simulation, using knowledge gained from didactic and clinical courses.

Family Medicine IX PHYSICAL MEDICINE AND REHABILITATION
This survey course will present a basic overview of physical medicine along with the use of modalities, and the interaction of somatic and psychological factors. Physical medicine in the rehabilitation of the patient is emphasized.

Family Medicine X SPORTS MEDICINE
This course will emphasize the role of the physician in sports medicine. The entire spectrum, including nutrition, prevention, conditioning, diagnosis and therapy, will be covered.

Family Medicine XI CLINICAL PRACTICUM
Students are assigned a series of history and physical examinations at SECOM’s teaching hospitals which upon completion are thoroughly critiqued. Familiarity with various procedures is gained through lectures and use of manikins.

Humanities

Chairman & Professor: S. Cohen; Visiting Professor: E. Fliegelman; Associate Professor: J.Z. Spike; Assistant Professors: D.E. Shaw, C.A. Woodson

Medical Humanities I HISTORY OF MEDICINE
This course traces the recorded history of all kinds of medicine from the ancient Egyptians and Babylonians, 6000 years ago, through to modern times. There is a complete discussion of Osteopathic Medicine from its inception with Dr. Andrew Taylor Still to its place in the delivery of health care today.
Medical Humanities II HUMANITIES IN MEDICINE 9 Hours
Material presented aids the student in understanding the patient-physician relationship. Dilemmas such as euthanasia, truth telling, abortion, sterilization, malpractice and death & dying are discussed. Role playing and case histories are presented and analyzed.

Medical Humanities III HUMAN SEXUALITY 18 Hours
Topics covered include the human sexual response cycle as well as the physiology and anatomy of sexual apparatus. Masturbation, alternate sexual life styles, sexuality through the life cycle, sexual violence, effects of drugs and alcohol on sex function, and the effect of illness and surgery on sexuality are studied. Guest lectures, videotapes and role playing are arranged.

Medical Humanities IV RELIGION, PHILOSOPHY AND ETHICS IN MEDICINE 18 Hours
This course will consist of a series of lectures and discussion groups on the interpretation of religious beliefs, philosophical views and ethical outlooks with the problems of everyday medical care. Decision-making issues include the allocation of resources, human experimentation, informed consent, living wills, refusing treatment, mental competency, suicide, patient-physician conflicts and patient-institution conflicts. Emphasis is on the psycho-social medical model rather than the bio-medical one.

Internal Medicine


Division of Cardiovascular Medicine
Chairman & Professor: A.A. Greber; Professor: R.B. Kaufman; Visiting Professors: J.W. Lister, R. Berger; Clinical Associate Professors: J.G. Minkes, C.I. Schultman, D.M. Spiller; Clinical Assistant Professors: M. Kesselman, P.E. Kudelko, M.A. Ravitsky, N.B. Tyler, Jr.

Division of Hematology/Oncology
Chairman and Clinical Assistant Professor: B.M. Krein, Clinical Assistant Professors: A.E. Hano, B.S. Horowitz, J.B. Leslie, H. Saber; Clinical Instructor: J.I. Weisberg

Division of Medical Diseases of the Chest
Chairman & Associate Professor: C.F. Corrales; Clinical Associate Professors: E.B. Bolton, Jr., A.N. Ottaviani; Clinical Assistant Professor: D.J. O'Leary

Division of Nephrology
Chairman & Clinical Assistant Professor: C.M. Glasser
Internal Medicine I ENDOCRINOLOGY 18 Hours
The student will gain an understanding of the abnormalities of the endocrine system. Endocrine function studies will be presented in conjunction with the etiology, diagnosis and treatment of disease states.

Internal Medicine II PULMONARY MEDICINE 36 Hours
A complete discussion of pulmonary disease will be presented. Emphasis will be placed on ventilatory management, blood gases, bronchoscopy and occupational lung diseases.

Internal Medicine III GASTROENTEROLOGY 36 Hours
A detailed program on gastrointestinal diseases will be presented. This will include a review of x-ray and laboratory findings.

Internal Medicine IV RHEUMATOLOGY 9 Hours
The goal of this course is to instruct the student in the arthropathies. Physical diagnosis, x-ray and laboratory diagnosis, as well as therapeutic measures will be discussed.

Internal Medicine V ALLERGY 9 Hours
This course will incorporate a review of the immune system and its function in relation to allergic diseases. Non-immunologic factors will also be discussed.

Internal Medicine VI INFECTIOUS DISEASES 16 Hours
This program will include the basic principles for the diagnosis and treatment of the febrile patient. Mechanisms and actions of antibiotics will be included.

Internal Medicine VII NEPHROLOGY 18 Hours
This course will provide the student with a complete evaluation of renal function including metabolic acidosis and alkalosis and disorders of water metabolism. Hypertension, dialysis and other diseases of the kidney will be covered.

Internal Medicine VIII HEMATOLOGY/ONCOLOGY 18 Hours
The goal of this course is to prepare the student to identify and treat hematologic and neoplastic disorders through discussion of the anemias and other abnormalities. The student will be introduced to cancer as a common, chronic and treatable disease with emphasis placed on recognizing etiologic factors and symptom patterns, all appropriate diagnostic studies and treatment modalities.

Internal Medicine IX ELECTROCARDIOGRAPHY 12 Hours
This course stresses the understanding of the electrophysiological principles leading to the genesis of both normal and abnormal electrocardiograms. Clinical correlation with ECGs is stressed.

Internal Medicine X CARDIOVASCULAR MEDICINE 40 Hours
The approach to the patient with cardiovascular disease will be reviewed. A discussion of cardiac physiology will be followed by instruction in all forms of cardiovascular disease. The cardiac patient simulator "Harvey" is utilized to present inclusive clinical disorders. Peripheral vascular diseases are included in this curriculum.

Medical Communications

Chairman & Professor: A. Gliemer; Professor: A. Melnick; Assistant Professor: J. Gottlieb
Medical Communications I MEDICAL WRITING, MEDICAL SPEAKING AND COMPUTERS IN MEDICINE 18 Hours

Students will have an opportunity for practical, supervised experience in medical writing and speaking. Additional lecturers will focus on computer technology in medicine.

Medical Communications II MEDIA AND THE PHYSICIAN 9 Hours

Students will be exposed to how print and broadcast media gather and disseminate news with an emphasis on interview response. Course will feature lectures by media professionals and include spokesperson training.

Microbiology

Chairman & Professor: H.E. Laubach; Adjunct Professor: G. Kucker; Associate Professor: H. Hada; Assistant Professor: S.O. Obenauf

Microbiology I IMMUNOLOGY AND BACTERIOLOGY 97 Hours

Immunology involves the study of the biological role of lymphocytes, lymphocyte products and phagocytic cells in relation to infections and noninfectious diseases. Laboratories will cover basic techniques used to diagnose immunological abnormalities. Bacteriology is an introduction to the basic morphology, physiology, genetics, metabolism and pathogenesis of medically important bacteria. Special emphasis is placed on the diagnosis and treatment of bacterial diseases. Laboratory exercises address the concepts of bacterial morphology, taxonomy, identification, and antibiotic testing.

Microbiology II MYCOLOGY, PARASITOLOGY AND VIROLOGY 62 Hours

The mycology course includes the study of the taxonomy, physiology, pathogenesis, diagnosis and treatment of pathogenic fungi. Laboratories cover basic physiological and taxonomical aspects of the diagnosis of yeasts and molds. The study of eucaryotic parasites includes the taxonomy, pathogenesis, diagnosis and treatment of infections with protozoans, helminths and arthropods. Laboratories are designed to train students in basic clinical methodology. Concepts in the virology course emphasize the basic morphology, taxonomy, life cycles, genetics, pathogenesis, immunity, diagnosis and treatment of human viral diseases. Laboratories are involved with the study of virus infectivity and pathogenesis.

Neurology

Chairman & Professor: A.B. Surloff; Associate Professor: I. Osorio; Clinical Associate Professor: B.J. Cutler; Clinical Instructor: L. Butera, V. Salanga

NEUROLOGY 36 Hours

A discussion of neurological illness will be supplemented with patient case presentations. Students will be introduced to neurological illnesses as well as interesting neurological phenomena.

Obstetrics and Gynecology

Chairman & Professor: D.R. Barkus; Clinical Professor: B.L. Stalnaker; Clinical Associate Professors: J.T. Fischer, R.A. Kronstadt; Clinical Assistant Professors: W. Burrows, R. Kreines, J.M. Lynn, M. Newman; Clinical Instructors: S. Duncan, S. Fox
Obstetrics and Gynecology I GYNECOLOGY
This course begins with a review of the functional anatomy, embryology and physiology of the human reproductive organs. The student is taught to evaluate the female patient, after which non-surgical and surgical diseases are reviewed from the standpoint of diagnosis and management. The student is then taught sexuality, conception control and pre- and post-operative surgical management to complete the course.

Obstetrics and Gynecology II OBSTETRICS
The course consists of systematic study of pregnancy, labor and puerperium. Beginning with a review of anatomy, embryology and the physiology of human reproduction, the student is taught the management of the normal pregnancy, labor and delivery. This is followed by studies in the recognition and management of the abnormal pregnancy.

Ophthalmology
Chairman & Associate Professor: W. Bizer; Professor Emeritus: E.D. Hersh; Clinical Assistant Professors: R.L. Bentz, R.J. Guliner, E.R. Leonard, A.L. Rubin

OPHTHALMOLOGY
The didactic material covers the ocular manifestations of systemic medical and neurological disease. The general nature of the major ocular conditions including glaucoma, strabismus, presbyopia and cataract is stressed. The course includes lectures, tapes and practical laboratory periods.
Osteopathic Principles and Practice

Chairman & Professor: A. Snyder; Professor: J.W. Upledger; Visiting Professor: S. Blood; Associate Professor: E. Rentz; Assistant Professors: M. Greenhouse, B.B. Swartz; Instructors: B. Miller, C. Mondello

OP&P I GENERAL PRINCIPLES OF DIAGNOSIS 72 Hours
This course serves as an introduction of Osteopathic Medicine and covers general principles and techniques of diagnosis of the axial skeleton and para-spinal regions. The student is exposed to basic terminology and examination skills through lectures, demonstration and performance.

OP&P II REGIONAL PRINCIPLES AND TECHNIQUES 72 Hours
This course is devoted to studies of principles and techniques on a regional basis including the pelvis, sacrum, lumbar spine and lower extremity. Attention is paid to neurovascular outflow into the lower extremity and to the neurophysiological aspects of muscle dysfunction and pain mechanisms. Multiple modalities include counterstrain, myofascial release, high velocity low amplitude, indirect technique and muscle energy techniques.

OP&P III REGIONAL PRINCIPLES AND TECHNIQUES (CONT.) 72 Hours
This course is devoted to studies of principles and techniques of a regional basis including thoracic spine, rib cage, cervical spine and upper extremity. Attention is paid to the autonomic nervous system as mediator of structure and function. This course also enhances the development of the palpatory diagnosis and treatment in the paraspinal as well as the spinal areas of dysfunction.

OP&P IV SPECIAL TECHNIQUES 68 Hours
This course deals with newer forms of musculoskeletal treatment which includes topics such as myofascial pain and common muscular pain syndromes. Osteopathic approach to systemic diseases is covered as well as a 20-hour course in cranial sacral OMT.

Otorhinolaryngology

Chairman & Associate Professor: D.J. Duncan; Professor Emeritus: R.C. Salach; Clinical Assistant Professors: J.H. Caschette, R.B. Conrucci, J.S. Gottlieb, R. Maliner, H. Sussman

OTORHINOLARYNGOLOGY 18 Hours
A complete study of disease, treatment and surgery of the ear, nose, throat and neck and their particular application to general practice, including lectures, audio-visual presentation, clinical demonstration and application.

Pathology

Acting Chairman & Clinical Associate Professor: G. Weisbaum; Professor Emeritus: D.C. Bergmann; Associate Professor: M.A. Khin; Clinical Associate Professors: L. Lang, III, M.R. Osattin; Assistant Professor: K. Khin; Clinical Assistant Professors: R. Ziegler, J. Mones; Instructor: D.A. Russo; Clinical Instructor: C. Carson

Pathology I GENERAL PATHOLOGY 154 hours
The pathology course will correlate the pathological processes of disease with the pathophysiology involved in the organs and tissues of the body.

Pathology II CLINICAL PATHOLOGY 36 Hours
Clinical pathology presents the laboratory procedures involving studies of body fluids [urine, blood, spinal fluid, etc.] and their interpretation in the disease process.
Pediatrics

Chairman & Assistant Professor: C. Blavo; Professor: A. Melnick; Clinical Associate Professors: D. Marcus, M. Marcus, E.J. Marsh; Assistant Professor: B.W. Johnson; Clinical Assistant Professors: I. Fialko, S.M. Haynes, A.M. Johnson, D.L. Ragonesi, C.J. Schubert

Pediatrics I 36 Hours
The first semester in pediatrics will introduce growth and development, nutrition, psychological pediatrics and the newborn and premature infant. The normal infant and child will be emphasized followed by a systematic study of disease processes in the pediatric age group.

Pediatrics II 36 Hours
Presentation of childhood illnesses by system will be continued in this semester. Special problems in the field of pediatrics and a study of adolescent medicine will complete the course.

Pharmacology

Acting Chairman & Assistant Professor: J. Barakeh; Adjunct Assistant Professor: L. Crespo

PHARMACOLOGY 126 Hours
This course begins with a thorough grounding in the principles of drug action. The classes of drugs used in clinical practice will be examined in detail, with particular emphasis on structure and activity, mode of action, side effects, toxicity and drug interactions. The pharmacological intervention of pathophysiological processes will be stressed as well as the clinical application of each drug class.

Physiology

Chairman and Professor: H.J. Lyons; Associate Professor: B. Sturbaum; Assistant Professor: C. Woody

Medical Physiology I GENERAL PHYSIOLOGY 76 Hours
A comprehensive study of human physiology presented from an organ systems approach. This course will include the study of general (cell, membrane, muscle) and cardiovascular physiology. Limited laboratory experience will reinforce lecture presentations and acquaint students with scientific methods and reasoning.

Medical Physiology II SYSTEMS PHYSIOLOGY 122 Hours
A continuation of Medical Physiology I. This course emphasizes renal, gastrointestinal, respiratory, endocrine, reproductive and neurophysiology.

Psychiatry

Chairman & Professor: D.M. Masters; Clinical Associate Professors: C.C. Berton, H.B. Jones; J.B. Joyce; Assistant Professors: J. Deming, C.B. Mutter; Clinical Assistant Professor: P.S. Boyne; L.G. Brewer, G. Fishman, U.W. Geertz, H.M. Israel, J.J. Lappeyra, C.W. Liberson, A.T. Stilman; Instructor: M. Gilula; Clinical Instructor: W.H. McGill
Psychiatry I  INTRODUCTION TO PSYCHIATRY  9 Hours
The purpose of this course is to provide the student with a solid basis for the understanding of human behavior and the application of this understanding in his future role as a physician. The course material will be presented in the context of being integrated into a humanistic, holistic, bio-psychological approach to the patient.

Psychiatry II  GENERAL PSYCHIATRY  36 Hours
This course will present to the student the essentials of clinical psychopathology including the symptoms, diagnosis and treatment of mental, emotional and behavioral problems in children, adolescents and adults.

Psychiatry III  SPECIAL PROBLEMS AND SUBSTANCE ABUSE  18 Hours
This course will offer the student the opportunity to study and learn to manage certain special psychologically related problems such as alcohol and drug abuse, psychological problems of the geriatric patient, psychiatric emergencies, pain, sleep disorders, psychosexual disorders, stress and grief reactions, and death and dying.

Radiology
Chairman & Professor: D.M. Finkelstein; Professors: P.M. Dworkin, J.G. Stella; Clinical Professors: F. Manlio, S.R. Rante, Jr.; Clinical Associate Professors: J.I. Jackson, B.E. Pyko; Instructor: I.G. Murray; Clinical Instructors: R. Burke, R. Farber; Adjunct Clinical Instructor: M. Finkelstein

Radiology  CLINICAL RADIOLOGY  18 Hours
The course is designed to integrate the material learned in Pathology and correlate this with pathologic radiographic anatomy. The student will gain familiarity with various imaging studies. Also included are materials on radiobiology and radiotherapy.

Surgery
Chairman & Assistant Professor: E. Weiner; Professor Emeritus: S. Kaye; Clinical Professor: M.A. Longo; Clinical Associate Professors: R. Laskody, A. La Torra; Clinical Assistant Professor: A.N. Fields; Instructor: A.A. Netzman; Clinical Instructor: B. Silverman

Division of Orthopedic Surgery
Chairman & Professor: B.B. Swartz; Professors: M.J. Morris, M. Rech; Associate Professor: D.L. Gula; Clinical Instructor: P. Christ

Division of Plastic Surgery
Chairman & Clinical Associate Professor: C.B. Radlauer

Division of Proctology
Chairman & Associate Professor: H. Kirsh; Clinical Associate Professors: R.H. Gillon, H. Weinstock; Clinical Assistant Professor: J.A. Greenspan
Division of Urology

Chairman and Professor: W.A. Steinsnyder; Professor: H.R. Steinsnyder; Clinical Associate Professors: R.A. Hoffberger, R. Rappel; Clinical Assistant Professor: R.B. Antosek

Surgery I  BASICS IN SURGERY
This course will cover the basic concepts common to all surgery. Subjects will include homeostasis, shock, fluid and electrolyte balance and other necessary principles.

Surgery II  GENERAL SURGERY
Surgery and its subspecialties will be presented with emphasis upon the structural derangement underlying the disease process and on the surgical reestablishment of the functional integrity of the organ system. Surgical advances including transplantation and implant of prosthetic devices will be presented, knowing that the family practitioner must be prepared to advise the patient and family in choice of therapy.

Surgery IV  UROLOGY
Urology will be presented in a structure/function relationship approach. Relevance of basic science to clinical treatment is stressed.

Surgery V  ORTHOPEDICS
Orthopedic surgery will be presented to prepare the student for the diagnosis and treatment of basic orthopedic problems. Fracture care will be covered with emphasis on the role of family practitioners.

Surgery VI  PROCTOLOGY
A comprehensive lecture course in proctology will be presented covering all aspects of diagnosis and treatment of the various pathologies affecting the lower intestinal tract. Application of the osteopathic concept will be stressed.
Special Academic Programs

Area Health Education Center, AHEC

The Southeastern University of the Health Sciences was designated as an Area Health Education Center (AHEC) by the Federal government and was awarded a grant under that program in 1985.

This was particularly significant because Southeastern University earned the distinction of being the first medical school in Florida to be selected for an AHEC Program.

Goals of the program are to improve the distribution of medical manpower and related health services, and to provide the people of underserved communities with access to better care.

The AHEC program accomplishes this mission by developing active networks and partnerships among academic institutions which train health professionals and community groups in the remote and underserved areas. Several other health professions training institutions participate in all aspects of the University's regionwide AHEC program, in addition to our medical, pharmacy and optometry schools. They include Florida International University (nursing, social work, allied health), Florida Atlantic University (nursing, social work), Palm Beach Junior College (nursing, dental hygiene), and Broward Community College (continuing education/health professions).

Our first AHEC center, the Everglades AHEC, reaches underserved areas within a 10-county region covering about 10,000 square miles and stretching from inner-city areas in northern Dade County to isolated rural communities around Lake Okeechobee. Based on the success of the Everglades AHEC program in South Florida, the University was awarded additional funding to develop a Central Florida AHEC program in Fall, 1988.

The AHEC programs to date have been broad and comprehensive in scope. Recruitment programs have included AHEC's innovative student-based Practice Opportunities Program (POP), begun three years ago, and a summer health careers camp for high school students from underserved areas. Training programs have included a large number of multidisciplinary opportunities for both undergraduate and graduate students in a wide variety of primary care settings throughout the region. Retention programs have focused on providing practitioners in underserved areas with enhanced opportunities to stay up to date in their field in remote settings, through broad based and region-wide library networks and a variety of AHEC continuing education programming for physicians and other health care professionals.

The University's AHEC program also has a close working relationship with the University of Miami's Dade County AHEC program, and is currently working very closely with Florida's other medical schools in a state-wide AHEC program.
Rural Medicine Program

The College of Osteopathic Medicine has had since its inception the mission of training its students in Rural Medicine and improving medical care to rural communities.

A required rotation in rural medicine gives all SECOM students a basic insight into the special health care needs of the people living in underserved communities.

Several affiliated community health care centers distributed throughout southeast and central Florida participate in the program. Students in their third and fourth year of training, as well as General Practice residents, participate for a period of one to three months. This includes not only working at the clinics with hands-on patient involvement, but also living in the rural communities. This experience introduces students to aspects of rural practice and also gives them a feel for living in these areas. During their rotations, students work under the direct supervision of licensed physicians, including a faculty member who coordinates training.

The majority of these centers treat migrant farm workers and indigent patients from the rural communities.

Examples of these clinics include Collier Health Services in Immokalee; Florida Community Health Centers located at Clewiston, Okeechobee, Indiantown, and Fort Pierce; the Palm Beach County Health Department health care unit at Belle Glade; and the West Orange Farmworker Health Association clinic at Apopka.

The rural medicine training program provides a unique, enriching educational experience that cannot be taught in the classroom or by textbook. SECOM's administrative officers believe that exposure to rural practice will better prepare and motivate young physicians to practice in rural, underserved areas.

Combined Degree Program

Florida International University and the Southeastern College of Osteopathic Medicine established a teaching affiliation and combined degree program in late 1984. The FIU-SECOM affiliation allows candidates to complete training for B.S. and D.O. degrees in a 7-year period, saving students one year of time and tuition. Under the program, highly qualified and carefully selected pre-medical students at FIU will be guaranteed acceptance at SECOM after completing three years of prescribed training. Candidates must maintain a 3.25 grade point average and achieve acceptable scores on the Medical College Admission Test during the third year at FIU.

Upon completion of the first year of medical education at SECOM, students in the program will be awarded a B.S. degree from FIU. After four years of training at SECOM, students will receive the D.O. (Doctor of Osteopathy) degree. Only Florida residents can participate in the combined degree program.

Southeastern University has also established a joint degree program with Nova University. The Nova-SEUHS affiliation allows candidates to receive their doctoral degrees in either osteopathic medicine, pharmacy, or optometry in a 7-year period.
Affiliated Hospitals

Broward General Hospital
Fort Lauderdale
Director Medical Staff Office: Nancy Rodriguez
Chief Executive Officer: Richard Stull

Cenrurian Hospital of Carrollwood
Tampa
DME: Jeanne Nivens, B.S.
Administrator: Mary Reese

Charter Hospital of Miami
Miami
DME: Gary Fishman, D.O.
Administrator: Ken Fowler

Florida Hospital East Orlando
Orlando
DME: Harold Morris, D.O.
President: Richard Reiner

Hollywood Pavilion
Hollywood
DME: Cathryn Liberson, Ph.D.
Administrator: Karen Kallen

Humana Hospital of Palm Beaches
West Palm Beach
DME: Vacancy
Executive Director: Neils P. Vernegaard

Jackson Memorial Hospital
Miami
Acting Dir. Student Activities: Kathleen Schank, M.D.
President, Public Health Trust: Ira C. Clark

Metropolitan General Hospital
Pinellas Park
DME: B.B. Slaughter, D.O.
Executive Director: Robert Davis

Miami Children’s Hospital
Miami
DME: Charles Wharton, M.D.
Chief of Staff: Ramon Rodriguez-Torres, M.D.

Mount Sinai Medical Center
Miami Beach
DME: Frederico Justiniani, M.D.
President/Chief Executive Officer: Fred Hirt

Palmetto General Hospital
Hialeah
DME: Maro Morganstine, D.O.
Executive Director: Edward Tudanger

Parkway Regional Medical Center
North Miami Beach
Director of Emergency Services: Jose Portoondo, M.D.
Chief Executive Officer: Walter Gassner, M.D.

Pembroke Pines General Hospital
Pembroke Pines
DME: John Agostinelli, D.O.
Executive Director: Ed Maas

Sacred Heart Hospital
Pensacola
Dir. Residency Program in OB/GYN: B.L. Stalnaker, M.D.
Executive Vice President: James R. Hardman

Sun Coast Hospital
Largo
DME: James C. Eutzler, D.O.
Chief Executive Officer: Brent Marsteller

Universal Medical Center
Plantation
DME: Robert Sculthorpe, D.O.
Administrator for Operations: Michael Marquez

University General Hospital
Seminole
DME: Plato E. Varadin, D.O.
Administrator: Frank Harris

Westchester General Hospital
Miami
DME: Harris H. Mone, D.O.
Administrator: Sylvia Ulrich
Student Organizations

Student Council
Student Council is the official voice for all students. The organization is open to all students and welcomes proposals and participation from the entire student body.

The responsibilities of Student Council include: collecting and expressing student opinion, dispensing funds for student activities, acting as a liaison for the student body, promoting osteopathic medicine, supporting club and class activities, and working to improve the quality of life for all students at SECOM.

The Student Council President is SECOM's representative on the Council of Student Council Presidents (CSCP). CSCP is an organization composed of student government presidents from each of the osteopathic medical schools.

National Osteopathic Women Physicians Association (NOWPA)
NOWPA is a professional organization composed of female students of SECOM. The purpose and objective of the organization is to further the study of Osteopathic Medicine as a philosophy, a science and an art.

International Osteopathic Student Organization
The functions of this club are to assist the student in adapting to a new environment, to educate the student body on cultural differences and language barriers and to promote Osteopathic Medicine to the various cultures in our community and to those of the world at large.

Phi Sigma Gamma
Phi Sigma Gamma is a national professional fraternity for men. The Fraternity was originally founded in 1910 in Chicago and presently has chapters in most osteopathic medical colleges. The IOTA Chapter was chartered in March of 1986.

Sports Medicine Club
The object of this organization is to promote and advance the discipline of Sports Medicine and to instruct students who are interested in Sports Medicine and structural relationships to health and disease.

Student Association Auxiliary
The SAA was specifically organized for the spouses of the students at SECOM and is chartered by the Auxiliary to the American Osteopathic Association (AAOA). The primary objective of the SAA is to further the goals of the College and the osteopathic profession and to promote fellowship, good-will and unity within the school.
Student Osteopathic Medical Association

The Student Osteopathic Medical Association (SOMA) is one of the largest student groups on campus, representing over 90% of SECOM's student body.

Membership in SOMA brings many benefits including free subscriptions to *Student Doctor and Medical Student*, discount prices on diagnostic equipment, the Preceptorship Program, SOMA Scholarships, life insurance programs and more.

The Undergraduate American Academy of Osteopathy

The Undergraduate American Academy of Osteopathy (UAAO) is a professional organization dedicated to serving osteopathic medical students. It is SECOM's extension of the American Academy of Osteopathy, a national association established in 1937. The Academy maintains the goal of developing the science and art of total health care, with an emphasis on palpatory diagnosis and the use of osteopathic manipulative treatment.

The UAAO involves students in many activities and offers numerous benefits. Members receive a 30% discount on certain textbooks, and may buy treatment tables at reduced rates. They also sponsor well-known speakers from all over the country. Membership in UAAO also allows students to receive the AAO publications and to attend the Annual Convocation, both at reduced prices.

Undergraduate Chapter of American College of General Practitioners in Osteopathic Medicine and Surgery

The Undergraduate Chapter of the ACGP has been organized for all students in the College.

The organization works toward the preservation of the concept of General Practice and the continued existence of the role of the General Practitioner in the total picture of osteopathic medical services in the community. The chapter recognizes the fact that the General Practitioner is the backbone of modern medical practice.

Undergraduate Chapter, American College of Osteopathic Pediatricians

This organization is open to all students interested in osteopathic pediatrics. Seminars and educational programs are presented.
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<tr>
<th>Name</th>
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<tr>
<td>Ronald Angles</td>
<td>Cape Coral</td>
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<td>Tarek T. Arja</td>
<td>Tampa</td>
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<td>Kendall Babcock</td>
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<td>Richard Bennett</td>
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<td>Carl Best</td>
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<td>Linda Couillard-Young</td>
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<td>Burke Delange</td>
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<td>Vincent DiLella</td>
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<td>Scott Dinesen</td>
<td>Levittown, PA</td>
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<td>Michael John Dobransky</td>
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<td>Paul Elliott</td>
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<td>Kimberly Ellis</td>
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<td>Timothy Grant</td>
<td>Towson, MD</td>
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<td>Margaret Hayden</td>
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<td>Indiana State University</td>
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Marc Herschelman, Bloomfield Hills, MI
B.S. - University of Michigan

James Hoyne, Margate
B.S. - University of Florida

Earnest Cole Hudson, Tampa
A.A. - St. Petersberg Junior College
B.A. - University of South Florida

Deborah Humphrey, Tampa
A.A. - University of South Florida
B.A. - University of South Florida
B.S. - University of South Florida

Donna Jacobsen, Miami
B.A. - Barry University

Kenneth Johnson, Parker
B.S. - Florida State University

Andrew Kahn, Fort Lauderdale
B.S. - University of South Florida

Scott Kazdan, Rosedale, NY
B.S. - Tulane University

Robert Klein, Fort Lauderdale
B.S. - S.U.N.Y. at Stony Brook

Scott Klein, West Palm Beach
B.S. - University of South Florida

James Donald Kriseman, Lauderdale Lakes
A.S. - Broward Community College
B.S. - University of Miami

Carolyn Kubiak, Miami
B.S. - University of Miami

Thomas Kunelis, Fullerton, CA
B.A. - University of Southern California

David Lang, Longwood
B.S. - University of Florida

Bruce Latham, Blacksburg, VA
B.S. - Brigham Young University
M.P.A. - Brigham Young University

Gail Anne Latlief, Laurel, MD
B.S. - University of Maryland

Mary Anne McNamara, Pompano Beach
B.A. - Canisuis College
M.Ed. - S.U.N.Y. at Buffalo

Joseph Mavica, Pompano Beach
B.A. - Rutgers University
M.S. - Nova University

Darel Ray Morris, II, Fort Myers
B.S. - Southwest Texas State Univ.

Ralph Mozingo, San Diego, CA
B.A. - U.C.L.A.

Shoib Myint, Tampa
B.S. - Stetson University

Alice Nadel, Boca Raton
B.A. - Florida Atlantic University

Kerry Nagel, Plantation
A.A. - Miami-Dade Community College
B.A. - Florida International University

Richard Nelson, West Palm Beach
A.A. - Palm Beach Junior College
B.S. - Florida Atlantic University

Jeffrey Newfield, Ormond Beach
A.A. - Daytona Beach Community College
B.A. - Florida Atlantic University
B.S. - Florida Atlantic University

Warren Nishimoto, Aiea, HI
B.A. - University of Hawaii

Lidia Oliveira, Tampa
A.A. - Miami-Dade Community College
B.S. - University of South Florida

Norvin Ona, Tampa
A.A. - Hillsborough Community College
A.S. - Hillsborough Community College
B.S. - University of South Florida

Todd Parrilla, Watch Hill, RI
B.A. - University of Vermont

Suresh Paulus, Miami
B.A. - University of Illinois/Chicago

Robert Pepper, Plantation
B.S. - University of South Florida

Jeffrey Riggs, Nashville, TN
B.S. - Free Will Baptist College

James Roa, Tampa
B.S. - University of South Florida

Michael Robinson, Luka, MS
A.A. - Northeast Mississippi Junior College
B.A. - University of Mississippi

Hector Rodriguez, St. Petersberg
B.S. - University of South Florida
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<th>Name</th>
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<td>Arlene Schlumbohm</td>
<td>Orange Park</td>
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<td>Elizabeth Weintraub</td>
<td>Miami</td>
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<td>James Whipple</td>
<td>Charlotte, NC</td>
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<tr>
<td>Dale Wickstrom-Hill</td>
<td>Winter Haven</td>
<td>A.A. - Polk Community College</td>
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<td>Loretta Wubbel</td>
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<td>Susan Yahia</td>
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<td>Martin Yungman</td>
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<td>Stanley Zimmelman</td>
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<td>Elizabeth Weintraub</td>
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<td>Bret Thomas Ackermann</td>
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<td>Dean Barry Adelman</td>
<td>Miramar</td>
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<td>David Lee Adler</td>
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<td>Eric Lewis Alboucrek</td>
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<td>Amparo Beatrice Benitez</td>
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<td>B.A. - Florida Atlantic University</td>
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<td>Camille Z. Bentley</td>
<td>Fredericksburg, VA</td>
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**Class of 1992**

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Daniel Ron Berger, Miami Beach  
A.A. - Broward Community College  
B.A. - Florida State University

Bernard Manuel Bettencourt, Orlando  
B.S. - University of Central Florida

Franklin Paul Bizousky, Miami Beach  
B.A. - University of Virginia

Vincent James Bonell, Ft. Lauderdale  
B.S. - University of Florida

Frank Anthony Bonifacio, North Miami Beach  
B.A. - Long Island University/C.W. Post

David Glenn Booth, Tupelo, MS  
B.S. - University of Mississippi

Janet Eileen Bradshaw, Lawrence, KS  
A.S. - Northern Virginia Community College  
B.A. - University of Kansas

Kenneth Elliot Bresky, Light House Point  
A.A. - University of Florida  
B.A. - University of Florida

Rogelio A. Brito, Coral Gables  
B.A. - University of Miami

Arthur G. Calise, Miami Lakes  
B.A. - Biscayne College

Nicholas Capone, Jr. Lutz  
B.A. - Vanderbilt University

Gladys Cardenas, North Bergen, NJ  
B.A. - Fordham University

Kenneth Chan, Carson, CA  
B.A. - California State University

Glenn M. Charles, Boynton Beach  
B.S. - Michigan State University

Patrice Marye Churchill, Vanderburgh, IN  
B.A. - Harvard University  
M.S. - Indiana State University

Maripet Lynch Clements, Charlottesville, VA  
B.A. - University of Virginia

Juan Guillermo Coquelet, New Port Richey  
B.S. - University of South Florida

Troy Louis Creamean, Livingston, IL  
B.S. - University of the State of New York

Gaston Dana, Denver, CO  
B.A. - University of Colorado/Denver

Jean Raymond Dauphin, Ft. Myers  
B.S. - University of Maryland

Alan Steven David, Hallandale  
B.A. - St. John’s University

Jacque Holley Dawson, Temple Terrace  
B.S. - University of South Florida  
B.A. - University of South Florida

Pasquale Dell’Api, Ft. Lauderdale  
B.S. - Florida Atlantic University  
B.S. - Florida Atlantic University

Tony Diaz, North Miami Beach  
B.S. - University of Miami

Adriano Digiamberardino, Hollywood  
A.A. - Broward Community College  
B.S. - Florida Atlantic University

Mary Michele Dossett, Homosassa  
B.S. - Rider College

Ann Mary Fernandez, Miami  
A.A. - Miami-Dade Community College  
B.S. - University of Miami

Mark Calverley Gibbons, Hampton, VA  
B.A. - University of Virginia

David V. Glorious, Ocala  
A.A. - Central Florida Community College  
A.S. - Central Florida Community College  
B.S. - Florida State University

John Hamish Gordon, Ft. Myers  
A.A. - Edison Community College  
B.A. - University of South Florida  
B.S. - University of South Florida

Robert Alan Green, Hallandale  
B.A. - University of Miami

Armando Luis Hassum, Hialeah  
B.S. - University of Miami

Leo Michael Hayes, Miami  
A.A. - Broward Community College  
B.S. - University of South Florida

Ana M. Hernandez, Miami  
B.S. - University of Miami
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<td>David Nelson Ratcliffe</td>
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<td>Charles Robert Readdy</td>
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Glenn Scott Saperstein, W. Bloomfield, MI  
B.A. - University of Michigan

Patrick Sayavong, Ft. Smith, AR  
B.S. - University of Arkansas

Robert Ford Searles, Indian Harbour Beach  
B.S. - Washington and Lee University

Hadi Assad Shalhoub, West Palm Beach  
B.S. - Florida Atlantic University

Steven Silberfarb, North Miami  
B.A. - S.U.N.Y.  
M.S. - Georgetown University

John Lawrence Simons, Boca Raton  
B.S. - University of Florida  
B.A. - University of Florida  
M.B.A. - Amber University

Rita Tompkins Sivils, Lutz  
B.S. - University of South Florida

Kirby Odis Smith, Tampa  
B.S. - University of South Florida

Brian Lawrence Sontag, Plantation  
B.S. - University of Miami

Ronald Allan Stillerman, Daytona Beach  
B.S. - University of Florida  
B.S. - Duke University

Michael Wilson Swearingen, DeKalb, MS  
A.A. - Eastern Mississippi Junior College  
B.S. - Mississippi State University

David Tan, Long Island City, NY  
B.A. - Hunter College

Richard Randall Thacker, Gainesville  
A.A. - St. John's River Community College  
B.S. - University of Florida

Heidi Veronica Torocsik, Palm Harbor  
B.A. - Emory University

Carolyn Theresa Torrillo, Coral Springs  
A.A. - Broward Community College  
B.S. - Florida Atlantic University

Robert Townsend, Gables, MI  
B.S. - Michigan State University

Robert Harold Walker, Rock Hill, SC  
B.S. - Presbyterian College

Robert Walter Warren, Jr., Gardena, CA  
B.A. - Lehman College/SUNY

Wendy Weiss, Tampa  
B.A. - University of South Florida

Debbie Ruth Wilkes, Boca Raton  
A.A. - Ocean Community College  
B.A. - Florida Atlantic University

Gregory Alan Williams, West Palm Beach  
A.A. - Palm Beach Junior College  
B.S. - Palm Beach Atlantic College

Rosanna Esther Winchester, North Miami  
A.A. - Miami-Dade Community College  
B.S. - University of South Florida  
M.P.H. - Florida International University

Michael Dean Wolfington, Tampa  
B.S. - University of South Florida

Yvonne Denise Zabala, Tampa  
B.S. - University of South Florida

Gehad Anthony Aboud, Tampa  
B.S. - University of South Florida

Paul Alexander Armstrong, Memphis, TN  
B.S. - Memphis State University

Karin Arnold, Miami  
B.S. - Barry University

Richard L. Adams, Gainesville  
A.A. - Santa Fe Community College  
B.S. - University of Florida

Jeffrey William Allman, Shalimar  
B.S. - Auburn University, Main Campus

Richard Appleby III, New Castle, DE  
B.S. - University of Dayton  
B.S. - University of Delaware

Abraham Issa Awwad, Hialeah  
A.A. - Miami Dade Community College  
B.S. - Florida International University  
B.A. - Florida International University

Douglas Ira Bienstock, Woodmere, NY  
B.S. - New York Institute of Technology
Behnam Birgani, Hialeah
B.A. - Union for Experimenting Colleges and Universities

James Michael Brown, Miami Springs
A.A. - Miami-Dade Community College
B.S. - Florida International University

Karl Edward Buechsenschuetz, Bedford, NH
B.S. - University of New Hampshire

Regan R. Burke, Orlando
A.A. - Valencia Community College
B.A. - University of Central Florida
B.S. - University of Central Florida

Elizabeth Ann Burkett, West Palm Beach
B.S. - Palm Beach Atlantic College

Pablo Jose Calzada, Miami
B.S. - Montclair State College

Jennifer Anne Cascamo, Toms River, NJ
B.S. - Georgian Court College

John Albert Castiello, Coral Gables
B.S. - Florida State University

Andrew James Cohen, Hollywood
B.A. - University of Miami
M.P.H. - John Hopkins University

Peter Mark Cohen, North Miami Beach
A.A. - Miami Dade Community College
B.A. - University of South Florida

Robert Darrel Collins, Fitzgerald, GA
B.S. - Georgia Southwestern College

Luis Vicente Concepcion, Miami
A.A. - Miami-Dade Community College
B.S. - Florida International University

David Sarrat Cressy, Jr., Tallahassee
B.S. - Florida State University

Bret Cameron Crumpton, Miami
B.A. - University of Miami

Robert John Danbert, North Miami
A.A. - South West Oregon Community College
B.S. - Logan College of Chiropractic
D.C. - Logan College of Chiropractic

Lorraine Margaret Donohue, St. Augustine
B.S. - University of North Florida
A.S. - Williamsport Community College

David Michael Easton, Pembroke Pines
B.A. - Azarabadegan University, Iran
M.S. - Nova University
Ph.D. - Nova University

Robert Anthony Edwards, Tampa
B.S. - University of South Florida

Dale Evan Fahie, Brooklyn, NY
B.S. - Medgar Evers College

Ned W. Farber, Hudson
A.A. - St. Petersburg Junior College
B.S. - University of South Florida

William Stephen Fitterman, Miami
A.A. - Miami Dade Community College
B.A. - Barry University

Gregory Barat Fox, Miami
A.A. - Miami Dade Community College
B.A. - Florida International University

John Donald Geake, Miami
A.A. - Miami Dade Community College
B.A. - Florida International University

Randall Stuart Gordon, Montgomery, PA
B.S. - Tulane University

Jeffrey Lorenz Greski, Parkland
B.A. - Florida Atlantic University

Andrew Steven Gross, Sunrise
B.S. - University of South Florida

Dianne Annette Haisten, Chandler, AZ
B.S. - University of South Dakota

Michael Patrick Heid, Miami
B.S. - University of South Florida

Karol Joanne Hendrickson, Lehigh Acres
B.S. - University of Wisconsin

Patience Anne Marie Henry, West Palm Beach
A.A. - Palm Beach Junior College
B.S. - Creighton University
B.S. - University of South Florida

Jon L. Hobbs, Tallahassee
A.A. - Seminole Community College
B.S. - Florida State University

Charlene Afsah Hosseini, St. Augustine
B.S. - University of South Florida
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<td>University of Florida</td>
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<td>Raymond A. Petrus</td>
<td>University of South Florida</td>
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Vincent Joseph Pflug, Birmingham, AL  
B.S. - Spring Hill College

Mercedes Pino, Hialeah  
B.A. - Biscayne College

Richard John Presutti, Morristown, TN  
B.S. - Vanderbilt University

Francine Rainone, Somerville, MA  
B.A. - Bryn Mawr College  
Ph.D. - Georgetown University

Vincent Harold Randasi, Montgomery, NY  
B.A. - Alfred University

Kulbir Singh Rangi, Clarion, PA  
B.S. - Clarion University

Cathy Ann Rayburn, Laurel, MS  
B.S. - University of Mississippi

Toni Lynn Roberts, Coral Springs  
B.S. - Florida Atlantic University

Jorge Omar Rodriguez, Jacksonville Beach  
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B.S. - Duke University

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B.S. - St. John's University

Michael Rosenfield, Tampa  
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B.S. - University of South Florida

Edward Lawrence Raycraft, Jr., Key West  
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B.S. - University of South Florida

Rosarito Rullan, Los Angeles, CA  
B.S. - University of California - Berkeley

Walter Matthew Ryan, III, West Long Branch, NJ  
B.S. - Monmouth College

Anthony J. Sancetta, Glenhead, NY  
B.A. - University of Pacific  
M.A. - Antioch University

Elizabeth C. Sanders-Smith, Miami  
B.S. - University of Miami

Kitturah Bettes Schomberg, Orlando  
B.S. - University of Florida

Sandi Dee Scott, Hialeah  
A.A. - Miami Dade Community College  
B.S. - Barry University

Lisa Ann Scudder, Point Lookout, NY  
B.S. - St. John's University

Nathalie Anne Sebag, Miami Beach  
B.A. - Florida Career College

Steven Jeffrey Seltzer, Tamarac  
B.S. - University of South Florida

Keith Martin Sharick, N. Miami Beach  
B.S. - Furman University

Debra A. Smith, Mahoning, OH  
B.A. - Youngstown State University

Mark Eugene Sturgill, Louisville, KY  
A.S. - University of Louisville  
B.S. - University of Louisville

Christopher James Swartz, Miami  
B.A. - Rollins College

Richard Scott Vanderburg, Plantation  
B.S. - University of Florida

Greg B. Vanzant, Oklahoma City, OK  
B.A. - Southwest Baptist University  
B.S. - University of Oklahoma Health Sciences

Andrew Mark Wakstein, Pembroke Pines  
B.S. - Emory University

Darrell Frederick Weatherly, Jacksonville  
B.S. - Jacksonville University

Richard Brian Weissberg, Miami  
B.S. - Tulane University

Lisa Ann Whims, Rittman, OH  
B.A. - Hiram College

Timothy Brandon Williams, Clermont Lake  
A.A. - Manatee Junior College  
B.A. - University of South Florida  
M.A. - University of Central Florida

Suzan Elizabeth Zimmer, Oakland Park  
B.A. - Florida Atlantic University
Class of 1994

Albert G. Alessi, West Palm Beach
B.S. - University of Miami

Paula Lorraine Anderson, North Miami Beach
B.S. - University of Miami

Barbara Arcos, Miami
B.S. - University of Florida

Paul Gregory Avadanian, Ashland, MA
B.S. - Plymouth State College
B.S. - University of Massachusetts

Anais Aurora Badia, Coral Gables
B.S. - University of Miami

Patricia Anne Baier, Clearwater
A.A. - University of South Florida

Cedric Terriell Barnes, Newman, GA
B.S. - Auburn University

Patricia April Baumann, Coral Gables
B.S. - University of Miami
M.S. - Cornell University

Roman Santiago Bautista, South Plainfield, NJ
B.S. - Rutgers University

Roger Todd Boyington, LaBelle
B.S. - Auburn University

William Martin Bracken, Meridian, MI
B.S. - University of Mississippi

Bernhard Lawrence Brijbag, Miami
B.S. - Rollins College

John Michael Buchanan, Miami
B.A. - Mercer University
B.S. - Florida International University

Dominick Jerome Buro, Tamarac
B.S. - Florida International University

Edith Ann Calamia, Ft. Lauderdale
B.A. - Florida Atlantic University

John Caruso, Staten Island, NY
B.A. - New York University

Shawn Kristian Centers, Middleton, NY
B.S. - Georgetown College

Patricia Lynn Claytor, Lutz
B.S. - University of South Florida
A.S. - Central Florida Community College

Gayle Louise Demes, Summerland Key
B.S. - Pennsylvania State University

Christopher Leonard Devine, West Palm Beach
A.A. - Palm Beach Community College
B.S. - University of Florida

Benjamin Dennis DiJoseph, Bridgeton, NJ
B.S. - Ursinus College

Luis Orlando Dominguez, Miami
A.A. - Miami-Dade Community College
B.A. - University of Miami

Marc Steven Eskin, Longwood
B.S. - University of Florida

Renoir Jean Eugene, Ft. Lauderdale
B.S. - West Virginia Wesley College

Andrea Rosalind Filson, Tampa
B.A. - University of South Florida
B.S. - University of South Florida

Jory Michael Fine, Davie
A.A. - Broward Community College
B.A. - Florida Atlantic University

Malcolm Robert Freedman, Philadelphia, PA
B.A. - University of Pennsylvania
D.D.S. - University of Pennsylvania

Michael Jay Friedman, Scarsdale, NY
B.S. - University of Michigan

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B.S. - University of Florida

Orlando Julio Garcia, Miami
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B.S. - University of Miami

Michele Marie Ginszaukas, Redondo Beach, CA
B.A. - California State University
Melinda Jeanne Gleason, Wellington
A.A. - Palm Beach Junior College
B.S. - Florida Atlantic University

Andrew William Goodrich, St. Petersburg
A.A. - St. Petersburg Junior College
B.S. - University of South Florida

Farzin Goravanchi, Houston, TX
B.S. - University of Houston

Melinda Faye Greenfield, Bethesda, MD
B.S. - University of Maryland

Michael Ronald Hadley, Largo
A.A. - St. Petersburg Junior College
B.S. - University of South Florida

Paula Adelle Hall, N. Miami
B.S. - Florida International University

Randall William Haschke, Clearwater
B.S. - University of Miami

Dafna Hed-Ram, Sherman Oaks, CA
B.A. - University of California

Eric Alexander Hegybeli, Hollywood
B.S. - Oral Roberts University

Rick Dean Hoover, Indianapolis, IN
B.A. - Purdue University

Sarah Grace Horner, Boulder, CO
B.S. - University of Colorado

James William Howell, DeFuniak Springs
A.A. - Okaloosa-Walton Junior College
B.A. - University of West Florida
A.S. - Pensacola Junior College
B.S. - University of South Florida

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Felicia Ann Jerome, Dania
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B.A. - Rutgers University

Todd Matthew Johnson, Fallston
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B.A. - University of South Florida
B.S. - University of South Florida
M.H. - Barry University

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Jacqueline Maria Kraveka, Brooklyn, NY
B.A. - Columbia University

Seth Howard Lapin, Brooklyn, NY
B.S. - Touro College

Kim P. Lark, Tampa
A.S. - Lyndon State College
B.S. - Lyndon State College

Vicky Leff, North Miami Beach
B.S. - University of Florida

David Andrew Ligor, Ft. Pierce
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B.A. - Rutgers University

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Elissa Michele Malkin, Seminole
B.S. - University of Michigan

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Mitchell Dean Maulfair, Miami
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B.S. - Union College

Sheldon R. Pearlman, Baltimore, MD
B.A. - University of Maryland

Lourdes Maria Pelaez, Gainesville
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B.S. - University of North Florida

Julie Lynn Providenti, Palm Harbor
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David Robert Rabaja, Altamonte Springs
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B.A. - University of South Florida

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A.A. - Broward Community College

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B.S. - Glassboro State College

Armando Roca, Pembroke Pines
B.A. - Saint Thomas University

Paul Anthony Rodriguez, Hollywood
B.S. - University of Miami

Carlos Alfredo Sanchez, Clark, NJ
B.A. - Kean College of New Jersey

Steve Aaron Sanet, Broomall, PA
B.S. - Pennsylvania State University

Lawrence Joseph Scalzo, Montclair, NJ
B.S. - Setson Hall University

Peter Samuel Schreiber, Arcadia
B.S. - University of Florida

Gregory Brian Scott, Jacksonville
B.S. - University of South Florida

Karl Michael Secor, Nehalem, OR
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Mark Alan Siemer, Winston-Salem, NC
A.A. - DeKalb Community College
B.S. - Ball State University

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Scott William Smith, Tampa
R.N. - Iowa Lakes Community College
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B.A. - Suny at Binghamton

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B.S. - Barry University

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A.A. - Edison Community College
B.S. - University of South Florida

Jeannette Marilyn Straga, Miami
B.A. - Kent State University

Sahyne Sussman, North Miami Beach
B.A. - Tulane University

Donald Frederick Swanson, St. James
B.S. - University of South Florida

Lan Thuc Ta, Tampa
B.S. - University of South Florida

Marlene Tages, Ft. Lauderdale
A.A. - Broward Community College
B.A. - Florida Atlantic University

Lisa Ashley-Tichenor, Gainesville
B.S. - University of Florida

Byron Jackson Vaughn, St. Louis, MO
A.A. - St. Louis Community College
B.A. - St. Louis University
B.S. - University of Iowa

John Vincent Vilasi, Dix Hills, NY
B.A. - Hofstra University

Mary Jo Villar, Tucson, ARIZ
B.S. - University of Arizona

Charles Randall Warren, Gainesville
B.S. - University of Florida

Tracy I. Weiner, Palm Coast
A.A. - Edison Community College
B.S. - University of Central Florida
B.S. - University of Florida
Annette Marie Wilder, Houston, TX  
B.S. – Texas Woman’s University  

Allen Winston, Gretna, LA  
B.S. – Southern University, A&M  
M.S. – Oklahoma University  

Paula Maria Wozniak, Miami  
B.S. – Pennsylvania State University  

Joseph Richard Yacisen, Boston, MA  
B.S. – Northeastern University  

Michelle Ann Yerbury, Treasure Isle  
A.A. – St. Petersburg Community College  
B.A. – Florida State University  

Me’iissa Renee Young, Lauderhill  
B.A. – Fisk University  

Elise Joy Zahn, West Palm Beach  
B.S. – University of Florida  

Class of 1995  

David Paul Abrams, Houston, TX  
B.S. – University of Houston  

Alan Ackerman, N. Miami Beach  
B.S. – Tulane University  

John Brannan Adams, Athens, GA  
B.S. – University of Georgia  

William Charles Adamson, West Palm Beach  
B.A. – West Virginia University  

Fumiyo Akazawa, North Miami Beach  
B.S. – Meiji College of Pharmacy  

Pedro Gabriel Alvarez, Miami  
B.A. – Florida International University  

Felix Andarsio Jr., Miami  
B.A. – University of Miami  

Mehran Arabpour, Silver Spring, MD  
B.S. – University of Maryland  

Giovanna Maria Aracri, Pittsburgh, PA  
B.A. – Washington and Jefferson University  

Audrey Leonie Beckford, Pembroke Pines  
B.S. – Abilene Christian University  

Steven Beljic, Jacksonville  
B.S. – Florida State University  

David Michael Berman, Baltimore, MD  
B.S. – Virginia Commonwealth University  

Pierre Kindall Berry, Chattanooga, TN  
B.S. – Temple University  

Peter Louis Bono, Hernando  
B.S. – University of Florida  

Michael Joseph Borowicz, Clay, NY  
B.S. – Le Moyne College  

Shari Robin Boschowitz, Lauderhill  
B.S. – University of Florida  

Marshall Keith Brown, Manhattan, KS  
B.S. – Kansas State University  

Anna Marie Cabeca, Doylestown, PA  
B.S. – Ursinus College  

Vickie Yvette Calamese, Median, MS  
B.A. – University of Mississippi  

Robert Anthony Cano, Tampa  
B.S. – Florida A&M University  

Octavia Manetta Cannon, Lansing, MI  
B.S. – Johnson C. Smith University  
M.S. – Michigan State University  

Daniel Charles Carney, Gulf Breeze  
B.A. – University of Miami  

Nai Li Chen, San Marino, CA  
B.S. – University of Southern California  

Regina Lynn Chorsky, Liverpool, NY  
B.S. – Syracuse  

Roberta Ann Comlin, Ft. Meyers  
B.S. – Carlow College  

Francis Xavier Conidi, Tampa  
B.A. – Boston University  

Nicholas Anthony Coppola, III, Margate  
B.S. – Nova University  

Steven Doesey Cork, Ormond Beach  
B.S. – University of Florida  

56
James Joseph Cox, Jupiter
  B.A. - University of Maryland

Gregory Peter Cusano, Pembroke Pines
  B.S. - Barry University

Marlene Carbonell Dager, Miami
  B.A. - Florida International University

Mahmoud Reza Darooosh, Gainesville
  B.A. - Queen's University

Jeffrey Scott Davidson, Tallahassee
  B.S. - Florida State University

Joseph David DeFulvio, Orelan, PA
  B.S. - Villanova University

Edmundo Daniel Delgado, Miami
  B.S. - University of Florida

Paul Marcus Edwards, Quincy
  B.S. - Florida State University

Stacy Lynn Edwards, Palm Harbor
  B.S. - University of Miami

Tarek Nabil Elrafei, Franklin Lakes, NJ
  B.S. - Rutgers University

Seth A. Feldman, Plantation
  B.A. - Tulane University

Stephanie Lynn Fenlon, Bradenton
  B.S. - University of South Florida

Lucille Maria Frial, Plantation
  A.A. - University of Florida
  B.S. - University of Florida

Jorge Alberto Gadea, Miami
  B.S. - University of South Florida

Beatriz Elana Gil, Hialeah
  B.S. - University of South Florida

Stacie Lynn Ginsberg, Elkins Park, PA
  B.S. - Beaver College

Todd Daniel Glassman, N. Miami Beach
  B.A. - Florida International University

Elyse Helene Glazer, Plantation
  B.A. - Emory University

Dean Robert Goldberg, Miami
  B.A. - University of Miami

Joshua Bernard Goldman, N. Lauderdale
  B.S. - Emory University

Jay I. Gorstein, West Islip, NY
  B.S. - Bethany College

Randy Bruce Gould, Tamarac
  B.A. - University of Michigan

Jose Manuel Goyos, Miami
  B.S. - University of Miami

Tatia Raquel Grant-Levy, Miami
  B.S. - Eckerd College

James Thomas Grier, Oxnard, CA
  B.S. - University of Berkeley

David Martin Harbour, Brandon
  B.S. - University of South Florida

Sanjeev Suhas Hasabnis, Duncanville, PA
  B.A. - Emory University

Christopher C. Hill, Margate
  B.A. - Florida Atlantic University

Robert M. Howe, Fort Lauderdale
  B.S. - George Washington University

Russell Anthony Incatasciato, Lighthouse Point
  B.S. - Florida Atlantic University

Gerard Sorin Issvoran, Pacific Grove, CA
  B.S. - St. Mary's College of California

Pamela Gene Karasy, Crystal Beach, Canada
  B.S. - Florida Atlantic University

Youssif Khalil Khodor, Tampa
  B.S. - Weber State University

Andrew George Knowles, Lake Placid
  B.S. - Florida State University

Robert Anthony Kominiarek, Erie, PA
  B.S. - Gannon University

Neil Joseph Lahurd, Hollywood
  B.S. - University of Miami

James Marion Lance, Athens, GA
  B.S. - Presbyterian College

Simon Lavi, Los Angeles, CA
  B.S. - University of Southern California

Keith Stuart Leventhal, Bayside, NY
  B.S. - State University of New York

Jeffrey Mark Lipman, Miami
  B.S. - Washington University
Jana T. Lister, Miami
B.A. - University of Miami

Ierilee Emma Lomas, N. Palm Beach
B.S. - University of Central Florida

Anne M. Lord, Davie
B.A. - Florida Atlantic University

Phillip Paul Malvasi, Niles, OH
B.S. - Youngstown State University

Maurice David Marholin, Boca Raton
A.A. - Broward Community College
B.A. - Florida Atlantic University
D.C. - Cleveland Chiropractic

Michelle Marie Maureau, Pompano
B.A. - Florida Atlantic University

Michael Ethan Meltzer, Cherry Hill, NJ
B.A. - Ithaca College

Louie Arthur Meyers, Jr., Plant City
B.S. - University of South Florida

Beth Ann Miller, Clinton, MS
B.S. - Baylor University

James Bryan Moore, Campbellville, KY
B.S. - University of Kentucky

Edward Scott Morrison, Pensacola
B.S. - North Carolina State University

Thuat Nhan Nguyen, Houston, TX
B.S. - University of Houston

Ryan Christopher O'Connor, Palm Harbour
B.A. - American University

Frank Mario Ostella, Montclair, NJ
B.A. - Montclair State College

Hillel Peltz, Brooklyn, NY
B.S. - Brooklyn College

Francis Robert Peluso, Middlesex, MA
B.M. - Combs College of Music

Neil Anthony Persaud, Gainesville
D.M.D. - University of Florida

Parvathi Perumareddi, Boca Raton
B.S. - University of Florida

Eric Norman Peterzell, Windermere
B.S. - University of South Florida

Raul Antonio Pinon, Jr., Kendall
A.A. - St. Leo College
B.S. - University of Miami

Bradley Rex Pirtle, Irving, TX
B.S. - Stephen F. Austin College

Michelle Cecille Powell, Miami
B.S. - Florida International University

Nicholas Alexander Powers, Wilmington, OH
B.S. - University of Cincinnati

Sajid Hafeez Qazi, Orlando
B.S. - University of Wisconsin

Ajaz Rahaman, Miramar
B.S. - Barry University

Kathleen Susan Rathbun, West Palm Beach
B.A. - Florida Atlantic University

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B.S. - University of Michigan

Steven Jay Reeves, Coconut Creek
B.A. - Hofstra University

Alexander Restrepo, Fairlawn, NJ
B.A. - Rutgers University

Youssef Said Rizk, Lake Worth
B.S. - University of Florida

Forrest Dean Robart, Clark, NJ
B.S. - Rutgers University

Prangnuan Rodapasiri, Pembroke Pines
B.S. - University of Georgia

William Rodriguez, Miami
B.A. - St. Thomas University

James Joseph Ronzo, Lecanto
B.S. - University of Central Florida

Tracy Alissa Rosenbaum, Philadelphia, PA
B.A. - University of Pennsylvania

Howard David Routman, N. Miami Beach
B.A. - University of Florida

Enrique Diogene Saavedra, Meadville, PA
B.S. - Allegheny College

Hili Saban, Plantation
B.S. - University of Miami

Farah Sani, Boca Raton
B.A. - Florida Atlantic University

Amy Sazima, Miami
B.S. - University of Michigan
Ralph David Scolari, Warren, MI
B.S. – University of Michigan

Thomas Joseph Seglio, New York, NY
B.M. – Manhattan School of Music

Michael Sein, Middletown, NY
B.S. – University of Kentucky

Gregory Todd Serfer, Hallandale
B.A. – University of Miami

Michael Martin Seto, Huntington Beach, CA
B.S. – California State University

Tonya Ann Sexton, Milford, MI
B.S. – Oakland University

Sirtaz Singh Sibia, Boca Raton
B.S. – University of Miami

Harold Jay Siegel, N. Miami Beach
B.S. – University of Florida

Todd Adam Silberstein, Pembroke Pines
B.S. – University of Florida

Jennifer Paul Somerville, Orlando
B.S. – University of Central Florida

Steven Peter Stanos, Jr., Youngstown, OH
B.A. – University of Cincinnati

Charles Grady Stepherson, Islamorada
B.S. – Barry University

Ilana Joy Stief, Brooklyn, NY
B.S. – Brooklyn College

Collene Marie Stout, Sunrise
B.S. – Florida International University

Zaheed Tai, Orlando
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Isabelle Tardiff, Lauderdale
B.S. – Florida Atlantic University

Daniel Bijan Tavari, Brooklyn, NY
B.S. – Touro College

Charles Lane Taylor, Mobile, AL
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Robert Emmanuel Tomas, Miami Lakes
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B.S. – Florida International University

Ruddy A. Valdez, Hialeah
B.A. – St. Thomas University

Steven Vanni, Miramar
B.S. – Life College

Steven Austin Visnaw, Westport, CT
B.S. – University of Miami

Robert Earl Walton, Ottawa, IL
B.A. – Aurora University

Pamela Diana Warren, Haleyville, AL
B.S. – University of North Alabama

Jeremy Scott Weiss, Crystal Beach
B.S. – Oberlin College

Richard Evan Werman, Memphis, TN
B.S. – University of Georgia

Steven Mark Wilder, Dallas, TX
B.S. – Dallas Baptist University
D.C. – U.S. College

Robert Leslie Wilkinson, Miami
B.S. – Arizona State University

Stacy Jo Williams, West Palm Beach
B.A. – Florida Atlantic University

Peter Albert Woods, Jr., Ft. Lauderdale
B.S. – University of Notre Dame

Jimmy Yoon, Woodland Hills, CA
B.A. – Pomona College

Todd Russell Zusmer, Miami
B.A. – University of Texas
College of Pharmacy
College of Pharmacy

William D. Hardigan, Ph.D.,
Dean

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Janice Gottlieb, M.A., M.L.S., Library Director
Royal Flagg Jonas, B.S., J.D., Legal Counsel
PHARMACY

As drugs become more potent and specific and information more plentiful, it is necessary to have individuals who have primary responsibility for monitoring drug therapy. Pharmacists assume this responsibility.

Through progressive education and expanded professional roles, the practice of pharmacy is an integral part of today's health care delivery system. Pharmacists are knowledgeable about drugs and therapeutic goals, their uses, formulation, contradictions, adverse effects, incompatibilities and potential for drug interactions.

Pharmacists are active in primary patient care: hypertension screening, over-the-counter products, patient profiles, drug regimens. They understand the health care needs of specialized patient groups, such as children and the elderly. This means that the pharmacist is not just drugs oriented, but is also people oriented. He or she thinks of the medication and the patient with emphasis on making certain that the patient has the right drug, in the right amount, for the right length of time, and with a minimum of adverse effects. The end result can only be improved health care.

Most pharmacists practice their profession in patient-oriented settings: the community (which includes self-employment), the hospital, the extended care facility or the public health clinic. In addition, pharmacists are employed by the pharmaceutical industry in research and development in manufacturing or as medical service representatives. They are employed by educational institutions, government agencies, health maintenance organizations and by home based health care programs.

Like other health professions, the practice of pharmacy is regulated by law. In the United States the various state laws limit practice to those who have been duly licensed by the state. Qualifications for licensure are: graduation from an accredited college of pharmacy, completion of a required internship program, and passing an examination conducted by the Board of Pharmacy within the State.
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Past President, American Pharmaceutical Association

JOHN STADNIK, R.Ph.
Miami Springs, Florida
President, Miami Springs Pharmacy

JOEL M. WILENTZ, MD
Hallandale, Florida
Pharmacist and Dermatologist
Accreditation

Southeastern College of Pharmacy's doctor of pharmacy and baccalaureate in pharmacy programs have been granted candidate accreditation status by the American Council on Pharmaceutical Education, the national agency for the accreditation of professional programs in pharmacy.

Candidate status denotes a developmental program which is expected to mature in accord with stated plans within a defined time period. The accreditation status extends to June 30, 1993.

Graduates of a program having candidate status have in the opinion of the American Council on Pharmaceutical Education, the same rights and privileges as graduates of an accredited program. It should be noted that decisions concerning eligibility for licensure, by examination or reciprocity, reside with respective state boards of pharmacy in accordance with their state statutes and administrative rules and regulations. The Florida State Board of Pharmacy has indicated its intent to recognize candidate status.

Facilities

The College of Pharmacy occupies an entire three-story building which includes an expanding Drug Information Center, conference rooms, and faculty offices.

Clinical teaching sites in the Miami-Fort Lauderdale metropolitan area provide an unsurpassed environment for the clinical education. Support from the community pharmacy sector allows students to learn contemporary pharmacy within a wide diversity of practice sites.
ACADEMIC CALENDARS
1991-92
FALL SEMESTER

Sunday, August 18, 1991
Monday, August 19, 1991

Monday, September 2, 1991
Wednesday, November 27, 1991
Monday, December 2, 1991
Friday, December 13, 1991
Monday, December 16, 1991
Friday, December 20, 1991

Orientation & Registration.
Full-time Classes Begin.
Registration for Postgraduate
Pharm.D. Program.
Postgraduate Pharm.D. Classes Begin.
Labor Day, No Classes.
10:30 P.M. Thanksgiving Recess Begins.
9:00 A.M. Classes Resume.
5:00 P.M. Classes End.
Final Exams Begin
10:30 P.M. Winter Recess Begins
SPRING SEMESTER 1992

Monday, January 6, 1992

Monday, February 17, 1992

Friday, April 10, 1992

Monday, April 20, 1992

Friday, May 8, 1992

Monday, May 11, 1992

Friday, May 15, 1992

Sunday, May 31, 1992

8:00 A.M. Registration of Full-time Students.
9:00 A.M. Full-time Classes Begin.
5:30 P.M. Registration for Postgraduate Pharm.D. Program.
President's Birthday, No Classes.
8:00 A.M. Spring Recess Begins.
8:00 A.M. Classes Resume.
5:00 P.M. Classes End.
8:00 A.M. Final Exams Begin.
10:30 P.M. Second Semester Ends.
Graduation.
ACADEMIC CALENDAR
FALL SEMESTER  1992

Sunday, August 16, 1992
Orientation & registration for First Year Students

Monday, August 17, 1992
Registration:
8:00 A.M.: P-2
9:00 A.M.: P-3 and PD-3
10:00 A.M.: PD-4
11:00 A.M.: P-1
Classes begin at 9 A.M. for P-2
Classes begin at Noon for P-1

Monday, September 7, 1992
Registration for Postgraduate Pharm.D.
students begins at 5:30 P.M.
Postgraduate Pharm.D. classes begin at 6:45 P.M.

Monday, October 12, 1992
Labor Day, No Classes.

Wednesday, November 25, 1992
First Block Exams.

Monday, November 30, 1992
Thanksgiving.
10:30 P.M. Recess Begins

Monday, December 14, 1992
Classes Resume
8:00 A.M.

Friday, December 18, 1992
Final Exams Begin
Winter Recess Begin.
SPRING SEMESTER 1993

Monday, January 4, 1993
Registration:
8:00 A.M.: P-2
9:00 A.M.: P-3 and PD-3
10:00 A.M.: PD-4
11:00 A.M.: P-1

Classes begin at 9 A.M. for P-2
Classes begin at Noon for P-1

Registration for Postgraduate Pharm.D.
students begins at 5:30 P.M.
Postgraduate Pharm.D. classes begin at 6:45 P.M.

Monday, February 15, 1993
Presidents' Birthday, No Classes

Monday, March 1, 1993
First Block Exams.

Friday, April 2, 1993
Spring Recess Begins
9:00 A.M.

Monday, April 12, 1993
Classes Resume

Friday, May 8, 1993
Classes End
5:00 P.M.

Monday, May 10, 1993
Final Exams Begin.

Friday, May 14, 1993
Second Semester Ends.

Sunday, May 30, 1993

The Administration of SECOP Reserves the Right to Make Changes in the Calendar if Necessary.
ADMISSION REQUIREMENTS
FULL-TIME PROFESSIONAL PROGRAM

SECOP selects students based on pre-pharmacy academic performance. This includes aptitude test (SAT, PCAT or ACT) scores, personal interviews, written applications and letters of reference.

PRE-PHARMACY STUDIES:

1. Prior to matriculation, SECOP applicants must complete a minimum of 60 semester hours of course work at an accredited college or university including the following required courses:
   - Biology with Laboratory - 8 semester hours
   - Business/Economics - 6 semester hours
   - Calculus - 3 semester hours
   - Statistics - 3 semester hours
   - English Composition - 3 semester hours
   - English Literature - 3 semester hours
   - General Chemistry with Laboratory - 8 semester hours
   - Organic Chemistry with Laboratory - 8 semester hours
   - Social and Behavioral Sciences - 9 semester hours
     (Anthropology, Sociology, Psychology are recommended)
   - Speech or Communications - 3 semester hours
   - Humanities - 6 semester hours

2. Students must have a grade point average of 70% or higher on a 100-point scale. To assure a well-rounded background for professional studies and adequate preparation in mathematics and sciences, SECOP requires students to earn a grade of C or better in each required pre-pharmacy course. It is recommended that courses taken outside these requirements be in the social and behavioral sciences or the humanities.
APPLICATION PROCEDURE
FULL TIME PROFESSIONAL PROGRAM

Inquiries for admission should be addressed to the Admissions Office, College of Pharmacy, 1750 N.E. 167th Street, North Miami Beach, Florida 33162-3097. Candidates for admission must submit:

1. A completed application form along with a $50 non-refundable application fee.

2. A letter of recommendation from the undergraduate Pre-Professional Committee, or if such a committee does not exist, three letters of recommendation, two from science professors and one from a liberal arts professor.

3. A letter of reference from a registered pharmacist.

4. Official PCAT, SAT, or ACT scores

5. Official college transcripts from all undergraduate and graduate institutions attended.

SECOP REQUESTS THAT ALL APPLICATION DOCUMENTS SHOULD BE RECEIVED BY APRIL 15 IN ORDER FOR THE APPLICANT TO BE CONSIDERED FOR ADMISSION IN FALL OF THE SAME YEAR. NOTICE OF ACCEPTANCE OR OTHER ACTION BY THE COMMITTEE ON ADMISSIONS WILL BE ON A “ROLLING” OR PERIODIC SCHEDULE. EARLY COMPLETION OF THE APPLICATION IS THEREFORE IN THE BEST INTEREST OF THE STUDENT.

Upon receipt of the completed application and required credentials, the Committee on Admissions will select those applicants eligible to be interviewed. Those selected will be notified in writing of the time and place. All applicants who are eventually chosen by the College must be interviewed, but an invitation to appear for an interview should not be construed by the applicant as evidence of final acceptance.

Since only one sequence of the required professional courses is offered each year, admission of new students to the College is limited to the Fall semester.
TUITION AND FEES
FULL TIME PROFESSIONAL PROGRAM

SECOP has established the following tuition and fees:


2. Acceptance Fee: $100. This fee is required to reserve the accepted applicant's place in the entering First Year Class. This advance payment will be deducted from the tuition payment due on registration day, but is not refundable in case of withdrawal. It is payable within two weeks of the applicant's acceptance.

3. Deposit: $400. This fee is due March 15.

4. Pre-registration Fee: $500. Due May 15, under the same terms as the Acceptance Fee.

The first semester's tuition and fees ($4100), less the $1,000 previously paid, are due on or before Registration Day. Tuition for each subsequent semester ($4000) is due on or before Registration Day for that semester. Students will not be admitted until their financial obligations have been met.

POSTGRADUATE DOCTOR OF PHARMACY PROGRAM

SECOP has established the following Postgraduate Pharm.D. tuition and fees:

1. Tuition: $224 per credit hour.

2. Acceptance Fee: $100. This fee is required to reserve the accepted applicant's place in the class. This advance payment will be deducted from the tuition payment due on registration day, but it is not refundable in case of withdrawal. It is payable within two weeks of the applicant's acceptance.

3. Pre-registration Fee: $150. Due March 15, under the same terms as the Acceptance Fee.

The first session's tuition and fees, less $250 previously paid are due on or before Registration Day. Tuition for each subsequent didactic session is due on or before registration day of that session. Students will not be admitted until their financial obligation has been discharged.
FINANCIAL AID

All sources of financial aid, scholarships and loans listed in this section are summarized briefly due to constantly changing requirements, fund availability and interest levels. The student financial aid officer monitors all revisions in these programs and maintains a current status file on each. For further information on any of the following programs, please contact the Financial Aid Director.

PRIVATE PROGRAMS

A. Doris D. Forman Fund
B. Eckerd Drug Scholarship/Loan Program
C. SECOP Student Loan Program
D. Florida Society of Hospital Pharmacy Scholarship Award
E. Burroughs Wellcome Scholarship Program
F. National Association of Retail Druggists (NARD) Loan Program
G. Broward County Pharmacy Association Scholarship
H. Jay Tischenkel Scholarship
I. Walgreen’s Drug Scholarship/Loan Program
J. Memorial Hospital Scholarship/Loan Program
K. National Association of Chain Drug Stores Scholarship
L. Paul & Ellen Magalian Scholarship Award
M. AZO/Morris Silver Scholarship
N. K-Mart Scholarship
O. Morris Cody Scholarship
P. National Hispanic Scholarship Fund
Q. American Fellowships, The American Association of University Women
R. Business and Professional Women’s Career Scholarship
S. Advancement Scholarship

FEDERAL PROGRAMS

<table>
<thead>
<tr>
<th>Federal Programs</th>
<th>Maximum Annual Award</th>
</tr>
</thead>
<tbody>
<tr>
<td>Exceptional Financial Need Scholarship (generally one per year)</td>
<td>Full Tuition, reimbursement for books, monthly stipend</td>
</tr>
<tr>
<td>Pell Grant</td>
<td>$ 2,300</td>
</tr>
<tr>
<td>Guaranteed Student Loan</td>
<td>$ 4,000</td>
</tr>
<tr>
<td>Supplemental/Parent Loan</td>
<td>$ 4,000</td>
</tr>
<tr>
<td>Health Education Assistance Loan</td>
<td>$ 12,500</td>
</tr>
<tr>
<td>(Eligibility begins during second year of pharmacy study)</td>
<td></td>
</tr>
</tbody>
</table>
GRADUATION REQUIREMENTS

Every person upon whom a degree shall be conferred must have fulfilled the following requirements:

a. Be of good moral character.

b. Have satisfactorily passed all prescribed examinations.

c. Have satisfactorily completed the assigned curriculum requirements for the degree, including all assignments with a grade point average of 2.0 or a numerical average of 70 or above.

d. Have satisfactorily discharged all financial obligations.

e. Transfer students must complete a minimum of 15 credit hours of didactic course work in addition to all experiential requirements.

The College reserves the right, and the student, by his/her act of matriculation, concedes to the College the right to require his/her withdrawal at any time the College deems it necessary to safeguard its standards of scholarship, conduct and compliances with regulations or for such reasons as are deemed appropriate.

INTERNSHIP

Internship is a requirement for licensure and is not required for graduation from the College of Pharmacy. Internship must be completed within the guidelines of the Florida Board of Pharmacy as set forth in the Rule Chapter 215-1, or the Board of Pharmacy in the state in which the student plans to fulfill the requirements for internship. The College's Director of Experiential Programs provides assistance and guidance to students entering internships.

Students opting for the B.S. in Pharmacy degree are required to complete 220 hours of internship in addition to the College's externship and clerkship, in order to fulfill the requirement for licensure in Florida. Students who pursue the Doctor of Pharmacy degree do not need to fulfill any additional internship hours in order to become licensed in Florida.
THE PHARM.D. DEGREE
COURSE OF STUDY
FULL TIME PROFESSIONAL PROGRAM

1st YEAR
The first year of the professional curriculum is designed to provide a firm foundation in the basic sciences. In order to provide efficiency of learning, the areas of anatomy, pathology and physiology are integrated into one course. Similarly, medicinal chemistry and pharmacology have been combined into one course entitled Pharmacodynamics. The student begins the study of Pharmaceutics at this time by investigating certain principles of pharmacy which continues into pharmacokinetics. The courses in pharmacy administration are introduced to provide an insight into the business and human relations aspects of pharmacy practice.

2nd YEAR
The second year of the professional curriculum is more applied. Therapeutics addresses the use of drugs in the disease process. Physical assessment is taught because of its value in monitoring the progress of drug therapy. The pharmaceutics course is concerned with the science of dosage forms. A pharmacy law course, as well as prescription practice course, is included to provide the student with the background needed for legally and ethically dispensing prescriptions. A pharmacy administration course provides an insight into the social and economic aspects of the health care system.

3rd YEAR
In the third year, students pursuing the Pharm.D. degree direct their attention towards honing their analytical skills. Courses in statistics and experimental design, drug literature evaluation and the interpretation of biopharmaceutic and laboratory data are included at this stage. An advanced course in Pharmacotherapeutics is also offered during this semester. The second half of the third year is Externship which is described under the B.S. Curriculum.

4th YEAR
The final year of the Pharm.D. Curriculum is a full-time clerkship. The first semester of this clerkship includes four 160-hour rotations in preassigned areas. During the second semester the student practices with considerably more independence and gains a much greater insight into the process of monitoring drug therapy to maximize benefits and minimize side effects. This semester, the student selects four 160-hour rotations in specialty areas.
# CURRICULUM OUTLINE

## SEMESTER I

### Year 1

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pharmacy Calculations</td>
<td>1</td>
</tr>
<tr>
<td>Anatomy &amp; Pathophysiology</td>
<td>5</td>
</tr>
<tr>
<td>Physical Pharmacy</td>
<td>3</td>
</tr>
<tr>
<td>Biochemistry</td>
<td>4</td>
</tr>
<tr>
<td>Pharmacodynamics I</td>
<td>3</td>
</tr>
<tr>
<td>Pharmacy Administration I</td>
<td>2</td>
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</table>

**Credits**: 18

## SEMESTER 2

### Year 2

<table>
<thead>
<tr>
<th>Course</th>
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</thead>
<tbody>
<tr>
<td>Anatomy &amp; Pathophysiology</td>
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</tr>
<tr>
<td>Pharmacokinetics</td>
<td>4</td>
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<tr>
<td>Pharmacodynamics II</td>
<td>4</td>
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<tr>
<td>Microbiology</td>
<td>3</td>
</tr>
<tr>
<td>Pharmacy Administration II</td>
<td>2</td>
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</table>

**Credits**: 18

### Year 3

<table>
<thead>
<tr>
<th>Course</th>
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</thead>
<tbody>
<tr>
<td>Therapeutics I</td>
<td>4</td>
</tr>
<tr>
<td>Pharmacodynamics III</td>
<td>6</td>
</tr>
<tr>
<td>Pharmaceutics</td>
<td>3</td>
</tr>
<tr>
<td>General Education I</td>
<td>3</td>
</tr>
<tr>
<td>Pharmaceutical Marketing</td>
<td>2</td>
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</table>

**Credits**: 18

### Year 4

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Therapeutics II (Geriatric and Minority Population)</td>
<td>4</td>
</tr>
<tr>
<td>Pharmacodynamics IV</td>
<td>3</td>
</tr>
<tr>
<td>Physical Assessment</td>
<td>2</td>
</tr>
<tr>
<td>Prescription Practice</td>
<td>3</td>
</tr>
<tr>
<td>General Education II</td>
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</tr>
<tr>
<td>Pharmacy Law</td>
<td>3</td>
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**Credits**: 18

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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<tbody>
<tr>
<td>Externship</td>
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<tr>
<td>Externship</td>
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**Credits**: 18

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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<tbody>
<tr>
<td>Clerkship II (I.M.)</td>
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<tr>
<td>Clerkship II (AMB)</td>
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</tr>
<tr>
<td>Clerkship II (GER)</td>
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</tr>
<tr>
<td>Clerkship II (D.I.)</td>
<td>3.5</td>
</tr>
<tr>
<td>Clerkship III-A</td>
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<tr>
<td>Clerkship III-B</td>
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<tr>
<td>Clerkship LLL-C</td>
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</tr>
<tr>
<td>Clerkship III-D</td>
<td>3.5</td>
</tr>
</tbody>
</table>

**Credits**: 14

The curriculum is designed in such a way that the knowledge gained in one semester becomes the foundation for learning material covered in the subsequent semesters. Therefore, when students fail to successfully complete coursework specified for one semester it will impede their ability to take courses in future semesters. This will often lead to a delay of one year in the graduation date.
THE B.S. IN PHARMACY DEGREE

All students accepted into the College are enrolled in the Pharm.D. Program. During the second year of professional study, students may petition to pursue the B.S. in Pharmacy Degree. Those petitions are due to be filed March 1st of the student’s second professional year.

Students selecting the B.S. option will complete their education during the third professional year with a full year of practical experience. The first semester, Externship, is a full-time experience working under the tutelage of a pharmacist. One-half semester will be spent in a community pharmacy and one-half semester will be in a hospital pharmacy.

The second component of the third year is Clinical Clerkship. Here, each student works full-time under the close supervision of a pharmacist whose primary responsibility is to monitor drug usage in a clinical setting, often at the patient’s bedside.

**SEMESTER 1**

**Year 1 and 2**
Same as above for the Pharm.D. Curriculum

**Year 3**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>Externship I</td>
<td>7</td>
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<tr>
<td>Externship II</td>
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</table>

**SEMESTER 2**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Clerkship I (I.M.)</td>
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</tr>
<tr>
<td>Clerkship I (AMB)</td>
<td>3.5</td>
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<tr>
<td>Clerkship I (GER)</td>
<td>3.5</td>
</tr>
<tr>
<td>Clerkship I (D.I.)</td>
<td>3.5</td>
</tr>
</tbody>
</table>

Credits 14
DIFFERENTIATION OF B.S. AND PHARM.D PROGRAMS

The patient-oriented components of pharmacy practice continue to grow in importance. This trend is very evident in Florida where the role of the pharmacist has expanded significantly because of the state’s large proportion of elderly people.

Accordingly, it has been decided that the curriculum at the Southeastern College of Pharmacy (SECOP) will be especially strong in the clinical areas for graduates at both the B.S. and Pharm. D. levels. This philosophy and emphasis is apparent from perusing the curriculum and noting the following:

1. The intensity of the experiential component. The B.S. candidates have one full semester of externship in drug distribution and one full semester of clerkship. The Pharm.D. candidates have an additional semester of clerkship which allows practice at a greater comprehension of drug therapy.

2. The intensity of the Pathophysiology and Therapeutics courses. The total time devoted to these areas is significant, especially at the B.S. level. This reflects our conviction that pharmacists at all levels of practice need to thoroughly understand disease processes and therapeutics. This knowledge is increased further for Pharm.D. candidates by the addition of Advanced Pharmacotherapeutics in the last semester of didactic coursework.

3. The addition of physical assessment for both B.S. and Pharm.D. candidates. Since pharmacists monitor the progress of drug therapy, such a course is deemed essential for all graduates.

Therefore, both curricula reflect our commitment to clinical pharmacy education. Both B.S. level and Pharm. D. level Clerkships will be similar in terms of goals and objectives. However, there is a difference in expectations placed on certain performance, depending on the degree category of the student. To facilitate instruction and evaluation, every effort is made to group similar degree category students.

It is anticipated that the Pharm.D. graduate will enter a practice which has a high demand for clinical skills. To this end, the Pharm.D. curriculum has an additional semester of clinically relevant didactic coursework as well as an additional semester of specialized clinical clerkships. Thus, these graduates should be especially competent in monitoring drug therapy in a variety of practice settings.

Although the B.S. curriculum has a considerable amount of clinically oriented coursework and clerkships, the graduate of this program is not expected to enter a practice which requires a high level of clinical skills. Instead, the B.S. graduate is expected to enter a generalized pharmacy practice setting which requires skills in drug distribution and pharmacy management as well as clinical pharmacy. The clinical expertise of these graduates is sufficient for general practice but needs further development for practices which are primarily devoted to in-depth drug monitoring and drug utilization reviews.
THE POSTGRADUATE DOCTOR OF PHARMACY PROGRAM

In addition to the full-time entry-level Pharm.D. degree curriculum, the College also offers the Postgraduate Doctor of Pharmacy program to practicing professional pharmacists.

Many pharmacists are highly skilled health care professionals worthy of a professional doctorate degree. We have designed a program to assist pharmacists to grow in their capacity while earning a Pharm.D. degree. The program will help pharmacists prepare for the role they will perform by the year 2000 and beyond.

SECOP offers a campus-based program for B.S. pharmacists seeking a Pharm.D. degree. This approach has distinct advantages over many external degree programs. Courses are taught in person by highly qualified faculty, allowing the full benefit of interaction and feedback. Students have access to the medical/pharmaceutical library, computer room, and other learning resources.

We have developed an outstanding program which provides an education with an advanced degree. While the program is uncompromising in quality, it is highly flexible, and geared to meeting the needs of the working pharmacist. Courses are offered in the evening so students can vary their course load according to their work schedule.

A recent survey identified lack of time for clinical clerkships as one of the biggest problems confronting pharmacists seeking the Pharm.D. degree. While the SECOP program includes clinical clerkship requirements, these may be taken in one-month blocks and some may be completed on a part-time basis. In addition, some credit may be extended for documented appropriate life experiences when pharmacists have practiced in a clinical setting for a sufficient time. Although the one-month, full-time clerkship modules do not have to be taken in succession, all pharmacists entering the program should be prepared to complete 5 one-month modules on a full-time basis over the course of 2-3 years.

Applicants for this program must be graduates of a college of pharmacy which is accredited by the American Council of Pharmaceutical Education. They must have graduated with a grade point average of at least 2.0 on a 4 point scale. They must also be in good standing with the board of pharmacy in Florida or another state in the nation.
COURSE OF STUDY
POSTGRADUATE DOCTOR
OF PHARMACY PROGRAM

The curriculum is planned so the first year is devoted to advanced pathophysiology and analytical skills. Experimental design and statistics as well as the interpretation of biopharmaceutic and laboratory data are offered for the first year. The skills gained through the second year's courses should enable students to perform at a higher level in the monitoring of drug therapy.

Upon completion of these 24 semester hours of coursework, the student is prepared to pursue the clinical clerkship portion of the curriculum. This is a full-time experience, one academic year in length, for those students who have had little, if any, clinical experience. Students possessing considerable clinical experience may receive credit for some of their life experiences and will not pay full tuition for the clinical clerkship. However, a minimum tuition of $2,500 will be charged for clerkships regardless of the amount of life experience credits granted.

A fully committed part-time student would take two courses per semester. At this rate, the didactic portion of the curriculum will be completed in two years. Students may also pursue coursework at a slower rate. The slowest rate would be to take one course per semester requiring four years to complete the didactic portion of the curriculum. It is anticipated that a number of students will complete the program of study at an intermediate rate which is three years for the didactic work. No more than 5 years should lapse between the beginning of coursework and the beginning of the full-time clinical clerkship. No more than 7 years should lapse between the beginning of didactic work and the completion of all clerkship requirements.
# CURRICULUM OUTLINE

<table>
<thead>
<tr>
<th>Year 1</th>
<th>Semester 1</th>
<th>Semester 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>Advanced Pathophysiology I</td>
<td>....... 3</td>
<td>Advanced Pathophysiology II</td>
</tr>
<tr>
<td>Experimental Design &amp; Statistics</td>
<td>....... 4</td>
<td>Interpretation of Biopharmaceutic &amp; Laboratory Data</td>
</tr>
<tr>
<td>Credits</td>
<td>7</td>
<td>Credits</td>
</tr>
<tr>
<td>Year 2</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Advanced Therapeutics I</td>
<td>....... 3</td>
<td>Advanced Therapeutics II (Minority &amp; Geriatric Populations)</td>
</tr>
<tr>
<td>Physical Assessment</td>
<td>....... 2</td>
<td>Drug Literature Evaluation</td>
</tr>
<tr>
<td>Credits</td>
<td>5</td>
<td>Credits</td>
</tr>
<tr>
<td>Year 3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Clerkship III - A</td>
<td>....... 3.5</td>
<td>Clerkship II (I.M.)</td>
</tr>
<tr>
<td>Clerkship III - B</td>
<td>....... 3.5</td>
<td>Clerkship II (AMB)</td>
</tr>
<tr>
<td>Clerkship III - C</td>
<td>....... 3.5</td>
<td>Clerkship II (GER)</td>
</tr>
<tr>
<td>Clerkship III - D</td>
<td>....... 3.5</td>
<td>Clerkship II (D.I.)</td>
</tr>
<tr>
<td>Credits</td>
<td>14</td>
<td>Credits</td>
</tr>
</tbody>
</table>

The Postgraduate Pharm. D. program features a flexible schedule of courses. First year students may register for two courses per term, attending class one night per week for each course. Students may elect to proceed at a slower pace, completing only one course per semester. However, all courses in the first year block should be completed before proceeding to the courses in the second year block.

It is anticipated that students might receive credit for some life experience and that a portion of clerkship may therefore be waived. A few clerkships might be offered on a part-time basis and the clerkship modules do not have to be completed in succession.
CLERKSHIP

SECOP desires to provide contemporary and innovative practice experiences to its students during their educational program. To accomplish this goal, off-campus pharmacy practice environments are utilized extensively to provide hands-on experiences in the Externship and Clerkship programs. The affiliated practice sites are within the Greater Miami/Ft. Lauderdale area. Hospital, community, chain, nursing home and other specialty pharmacy practice environments will provide the student with opportunities to interact with patients and other health care providers in the provision of pharmacy services. The emphasis of experiences will be the application of didactic knowledge and skills in a non-laboratory, patient-care setting under the supervision and direction of the clinical faculty appointed by the College.

OBJECTIVES

The Program has a number of broad-based objectives. As the student progresses through the various phases of the program, the foundations and experiences are carefully organized so that the student can demonstrate:

1. A comprehensive knowledge of pathophysiology, therapeutics, pharmacokinetics, toxicology and pharmacy.
2. An ability to observe and analyze the signs and symptoms of disease, with emphasis on monitoring drug therapy.
3. An ability to develop and expand an adequate data base from such sources as the patient, the medical chart, and other health practitioners.
4. An ability to identify, organize, and present an assessment of the patient's problems.
5. An ability to design a therapeutic plan based on patient-specific information.
6. An ability to solve drug therapy problems by implementing appropriate changes in the drugs used and/or the dosage regimen.
7. An ability to monitor and assess therapeutic and adverse effects of drug therapy through the selection of physical and laboratory parameters.
8. An ability to manage the patient's drug therapy.
9. An ability to effectively communicate verbally and in writing, and to develop a relationship with patients, peers, and other health practitioners.
10. An ability to comprehend, critically evaluate, and utilize the drug literature.
11. An understanding of research methods used to implement drug therapy research.
12. A sense of personal responsibility to patients for their drug therapy.
Biochemistry

Chairman & Professor: K.H. Woodside; Associate Professor: E.E. Groseclose; Assistant Professor: E.O. Keith

BIOCHEMISTRY

The structures, functions, and metabolism of lipids, proteins, carbohydrates and nucleic acids will be followed by a detailed consideration of coagulation, muscle, connective tissue, cancer, digestion and absorption, nutrition, and endocrinology. Pharmaceutical applications of this material will be included.

Microbiology

Chairman & Professor: H.E. Laubach; Adjunct Professor: G. Kucker; Associate Professor: H. Hada; Assistant Professor: S.D. Obenauf

MICROBIOLOGY

A study of the fundamental principles underlying the nature of infectious microorganisms. Special emphasis is placed on cause, prevention and control of infectious diseases. Topics include immunology, mycology, parasitology, bacteriology and virology. Laboratory exercises cover identification of microorganisms and antibiotic testing.

Pharmacy Administration

Chairman & Associate Professor: P. Magalian; Professor: W.D. Hardigan; Adjunct Professor: M.J. Carvajal; Associate Professors: E.H. Clouse, E.S. Jaffry

PHARMACY MANAGEMENT I

An application of business, economic and management principles in community and institutional pharmacy environments. Basic principles of management will be discussed and students will participate in the activities of an established organization and in a community pharmacy operations simulation.

PHARMACY MANAGEMENT II

A continuation of Pharmacy Management I with emphasis on managing an organization.

GENERAL EDUCATION I

Rotating topics of behavioral and social sciences.

PHARMACY MARKETING/HEALTH CARE DELIVERY

This course consists of an overview of the health care delivery system as well as specific aspects of pharmaceutical marketing. Special emphasis is placed on the role that pharmacists play in dealing with the general public and pharmaceutical industry.

GENERAL EDUCATION II

A continuation of General Education.

PHARMACY LAW

This course covers the Federal and State statutes, rules and regulations which affect the various aspects of pharmacy practice as well as selected aspects of general laws. Special emphasis is placed on interpretation of those laws primarily affecting the practice of Community and Institutional Pharmacy.

EXPERIMENTAL DESIGN AND STATISTICS

Fundamental principles of statistics and experimental design.
COLLEGE OF PHARMACY

Pharmaceutical Sciences


PHYSICAL PHARMACY (3 C.H.) 45 Hours

The theory and application of physiochemical principles to pharmaceutical systems.

PHARMACODYNAMICS I (3 C.H.) 45 Hours

A study of the physio-chemical properties of drugs and principles of drug actions, disposition, metabolism, and analysis. Special attention is given to drugs acting on the peripheral nervous system.

PHARMACOKINETICS (4 C.H.) 60 Hours

A discussion of the mechanisms and rates of absorption and disposition of drugs.

PHARMACODYNAMICS II (4 C.H.) 60 Hours

A continuation of Pharmacodynamics I with emphasis on cardiovascular agents, drugs affecting the endocrine system, autocois and antithrombotic, anticoagulant and thrombolytic agents.

PHARMACODYNAMICS III (6 C.H.) 90 Hours

A continuation of Pharmacodynamics II with special emphasis on drugs acting on the central nervous system, vitamins and minerals.

PHARMACEUTICS (3 C.H.) 75 Hours

Continuation of Physical Pharmacy with an emphasis on basic and applied concepts of pharmaceutical dosage form design to dosage and regimen.

PHARMACODYNAMICS IV (3 C.H.) 45 Hours

A continuation of Physical Pharmacodynamics III with emphasis on antimicrobial agents, antiparasitic agents, antineoplastic agents, locally active agents, biologicals and diagnostic agents. This course also focuses on toxicology.

PRESCRIPTION PRACTICE (3 C.H.) 90 Hours

The application of scientific, legal and ethical principles to the compounding and dispensing of medicinal agents used in modern medical practice. The analysis, interpretation and evaluation of prescription products in various forms is also included.

INTERPRETATION OF BIOPHARMACEUTIC AND LABORATORY DATA (4 C.H.) 60 Hours

An introduction to physiochemical and biological parameters influencing drug action. Variables in formulations and physiological considerations are examined in terms of their effect upon the absorption, distribution, metabolism and excretion of medicinal agents. Also included is the interpretation of laboratory data and its effect on prescribing.

Pharmacy Practice

Chairman & Associate Professor: S.A. Swigart; Assistant Professors: C.A. Blumenthal, G. Campo, C.C. da Camara, L. Dezial-Evans, T. Ellington, L. Frenzel-Shepherd, H.A. Skluth
PHARMACY CALCULATIONS (1 C.H.) 30 Hours
A systematic study of the fundamental mathematical principles employed and problems commonly encountered in the compounding and dispensing of pharmaceutical preparations.

THERAPEUTICS I (4 C.H.) 60 Hours
Principles and application of rational pharmacotherapeutics for various disease states, including drug selection and monitoring of drug therapy. Influences of therapy will include, wherever applicable, culturally derived health benefits and practice, age-related issues relating to appropriate drug therapies.

THERAPEUTICS II (4 C.H.) 60 Hours
Continuation of Therapeutics I with specific emphasis on infectious, neoplastic and rheumatic diseases. Additional topics such as contraceptives, drug abuse, hospice, and pain management are also covered.

PHYSICAL ASSESSMENT (2 C.H.) 30 Hours
This course focuses on clinical laboratory procedures, data interpretation, patient interviewing techniques, patient progress charting and medication profiling. Drug induced problems and patient advisement are also included.

DRUG LITERATURE EVALUATION (2 C.H.) 30 Hours
A study of prominent sources of drug information, principles of drug literature evaluation and experience in answering drug information questions and analyzing and evaluating drug literature and advertising.

ADVANCED PHARMACOTHERAPEUTICS (6 C.H.) 90 Hours
An advanced continuation of therapeutics focusing on topics which present difficult therapeutic challenges and newly emerging therapeutic modalities.

EXTERNSHIP I (7 C.H.) 320 Hours
An eight week off-campus rotation in a supervised community pharmacy environment. These rotations promote the application of didactic knowledge in non-simulated environments, development of competencies in pharmacy practice and further development of communications skills. The emphasis of this full-time (40 hr/wk) rotation is on the distributive and management aspects of pharmacy practice.

EXTERNSHIP II (7 C.H.) 320 Hours
An eight week off-campus rotation in a supervised hospital pharmacy environment. These rotations promote the application of didactic knowledge in non-simulated environments, development of competencies in pharmacy practice and further development of communication skills. The emphasis of this full-time (40 hr/wk) rotation is on the distributive and management aspects of pharmacy practice.

ADVANCED THERAPEUTICS I (3 C.H.) 45 Hours
This discusses the principles and application of rational pharmacotherapeutics for various disease states, including drug selection and monitoring of drug therapy. Influences of therapy will include, wherever applicable, culturally derived health benefits and practice, age-related issues and current issues relating to appropriate drug therapies. This course is designed for the Postgraduate Pharm.D. student.

ADVANCED THERAPEUTICS II (4 C.H.) 60 Hours
Continuation of Advanced Therapeutics I with specific emphasis on infectious, neoplasias and rheumatic diseases. Additional topics such as contraceptives, drug abuse, hospice, and pain management are also covered. The course is designed for the Postgraduate Pharm.D. student.
CLERKSHIP I
Four modules comprise Clerkship I: They are Ambulatory Care, Drug Information, Geriatric Care and Internal Medicine. Each of these consists of four week, full-time (40hr/wk) off-campus rotations in a supervised pharmacy practice environment emphasizing the nondistributive, clinical aspects of pharmacy practice. These rotations promote the application of didactic knowledge, the development of competencies in pharmacy practice and enhancement of the student’s knowledge of therapeutic management.

AMBULATORY CARE (3.5 C.H.) 160 Hours
The focus of activities will include interaction with ambulatory patients. Students will actively participate as members of the health care team to encourage rational drug therapy through extensive patient and monitoring. Additionally, students are encouraged to obtain medical and drug information directly from the patient in the form of an interview.

DRUG INFORMATION (3.5 C.H.) 160 Hours
Students will actively participate in drug information retrieval, formulation of responses, preparation of drug evaluations, inservices, cost-containment studies, drug utilization evaluations and any other aspects of drug information to other health care practitioners or the lay public.

GERIATRIC CARE (3.5 C.H.) 160 Hours
The focus of activities will be on the differences in providing care for the elderly as opposed to younger individuals. Students will actively participate as members of the health care team to develop effective, least toxic and most economical pharmacological therapeutic regimens in the area of geriatric pharmacotherapy.

INTERNAL MEDICINE (3.5 C.H.) 160 Hours
Activities will revolve around the most commonly encountered chronic diseases such as hypertension, congestive heart failure, diabetes, renal failure, etc. Students will actively participate as members of the health care team to develop effective pharmacological therapeutic regimens.

CLERKSHIP II
Four modules comprise Clerkship II. Each of these consist of 160 hours, as Clerkship I, and focuses on the same general areas. However, these Pharm.D. level rotations promote the application of didactic knowledge, the development of competencies in pharmacy practice, and enhancement of the student’s knowledge of therapeutic management.

AMBULATORY CARE (3.5 C.H.) 160 Hours
An advanced therapeutic management of Ambulatory Care in Clerkship I.

DRUG INFORMATION (3.5 C.H.) 160 Hours
An advanced therapeutic management of Drug Information in Clerkship I.

GERIATRIC CARE (3.5 C.H.) 160 Hours
An advanced therapeutic management of Geriatric Care in Clerkship I.

INTERNAL MEDICINE (3.5 C.H.) 150 Hours
An advanced therapeutic management of Internal Medicine in Clerkship I.

CLERKSHIP III A-D (14 C.H.) 640 Hours
There will be four clerkships in this sequence, each of them 3.5 Credit Hours of 160 clock hours. Each 160 hour off-campus rotation in a supervised pharmacy practice environment emphasizes the nondistributive, clinical aspects of pharmacy practice in a specialty area. Specialty rotations may include: pharmacokinetics, infectious disease, total parenteral nutrition, psychopharmacy, pediatrics, rheumatology, surgery, cardio thoracic surgery, critical care, cardiology, neonatology, immunology and clinical research where available.
Physiology

Chairman & Professor: H.J. Lyons; Associate Professor: B. Sturbaum; Assistant Professor: C.J. Woody

ANATOMY AND PATHOPHYSIOLOGY I  (5 C.H.)  50 Hours
This course is designed to provide the student with a study of the basic disease processes with emphasis on functional changes and the supporting nomenclature and terminology. It also serves as a prerequisite for a course in therapeutics. The areas included are body fluids, cell structure and function, biophysics, cell injury and neoplasia, tissues, skin skeletal and muscle systems, nervous system, and hematology and immunology. Each area is addressed from the standpoint of basic physiology as well as the disease processes.

ANATOMY AND PATHOPHYSIOLOGY II  (5 C.H.)  80 Hours
A continuation of Anatomy and Pathophysiology I. The areas covered are cardiovascular, respiratory, renal, gastrointestinal, metabolism, endocrine, and reproduction.

ADVANCED PATHOPHYSIOLOGY I (3 C.H.)  48 Hours
This course is designed for post-graduate, Pharm.D. students to study the physiological concepts needed for the understanding of the disease processes. In this course cellular physiology, neurophysiology, hematology and immunology and cardiovascular physiology are presented along with pertinent disorders in each area.

ADVANCED PATHOPHYSIOLOGY II  (3 C.H.)  48 Hours
A continuation of Advanced Pathophysiology I. Areas studied include respiratory physiology, renal physiology, digestion and metabolism, endocrine and reproductive physiology, and infectious diseases.
EXTERNSHIP/CLERKSHIP SITES

The following institutions are affiliated with SECOP for experiential education:

Allen Drugs
South Miami, FL 33155

Baptist Hospital
Miami, FL 33176

Bascom Palmer Eye Institute
Miami, FL 33101

Bay Pines V.A. Medical Ctr.
Bay Pines, FL 33504

Boca Raton Community Hospital
Boca Raton, FL 33432

Brickell Pharmacy
Miami, FL 33131

Broward Family Health Center
Southeastern University
Ft. Lauderdale, FL 33312

Broward General Hospital
Ft. Lauderdale, FL 33021

Budget Pharmacy
Miami, FL 33125

Cape Coral Hospital
Cape Coral, FL 33125

Cedars Medical Center, Inc.
Miami, FL 33125

Center Pharmacy
St. Petersburg, FL 33710

Coral Reef Hospital
Miami, FL 33157

Coral Springs Med. Ctr.
Coral Springs, FL 33065

Doctors Hospital
Hollywood, FL 33020

Druggist
Pembroke Pines, FL 33024

Eckerd Drugs
Miami, FL 33145

Enteral & Parenteral Support
Sunrise, FL 33321

Family Health Center Pharmacy
Southeastern University
Opa Locka, FL

Federal Discount Pharmacy
North Miami, FL 33161

Florida Medical Ctr.
Ft. Lauderdale, FL 33021

Green Briar Nursing Home
Miami, FL

H. Lee Moffit Cancer Ctr.
Tampa, FL 33612

Harrington’s Prof. Arts Ph’cy
Naples, FL 33940

Healthcare Discount Pharmacy
North Miami Beach, FL 33180

Hollywood Medical Center
Hollywood, FL 33021

Holy Cross Hospital
Ft. Lauderdale, FL 33308

Humana Hospital Biscayne
Miami, FL 33180
Humana Hospital Cypress
Pompano Beach, FL 33060

Imperial Point Medical Center
Ft. Lauderdale, FL 33308

Insta Care Pharmacy
Miami Lakes, FL

Jackson Memorial Hosp.
Miami, FL 33136

James A. Haley V.A. Medical Ctr.
Tampa, FL 33612

J.F.K. Medical Ctr.
Atlantis, FL 33462

Kendall Regional Med. Ctr.
Miami, FL 33175

Leader Drug Store, Inc.
Hollywood, FL 33020

Mega Pharmacy
Miami, FL 33172

Memorial Hospital
Hollywood, FL 33021

Mercy Hospital
Miami, FL 33133

Mercy Professional Pharmacy
Miami, FL 33133

Miami Childrens Hospital
Miami, FL 33155

Miami Heart Institute
Miami Beach, FL 33140

Miami Jewish Home and Hospital
Miami, FL 33137

Milton Medical & Drug Co.
Miami Beach, FL 33139

Motel Pharmacy
North Miami Beach, FL

Mt. Sinai Medical Center
Miami Beach, FL 33140

My Pharmacy
Miami, FL 33176

NMC Infusion Care
Deerfield Beach, FL 33442

Naples Community Hospital
Naples, FL 33940-5791

North Ridge General Hosp.
Ft. Lauderdale, FL 33334

North Shore Medical Ctr.
Miami, FL 33150

Option-Care
Miami, FL 33169

Palm Beach Co., Human Svc., Phcy.
West Palm Beach, FL 33401

Palmetto General Hospital
Hialeah, FL 33016

Parkway Hospital
Parkway Regional Medical Center
North Miami Bch., FL 33162

Pharmacy Corp. of America
Boynton Beach, FL 33435

Pharmacy Dynamics, Inc.
Miami Lakes, FL 33014

Pharmacy of Bay Harbor, The
Bay Harbor Islands, FL 33154

Pill Box Pharmacy
Pembroke Pines, FL 33026

Plantation General Hospital
Plantation, FL 33317
Post Haste Surgical and Pharmacy
Hollywood, FL 33021

Prescription Drug Foundation
North Miami Beach, FL 33162

Redi-Dose/Town Drug
Hollywood, FL 33020

SECOM Clinic Pharmacy
Ft. Lauderdale, FL 33312

SECOP Drug Information Center
N. Miami Beach, FL 33162

South Miami Hospital
South Miami, FL 33143

So. Park Pharmacy
Coral Gables, FL 33143

Southwest FL Regional Med. Ctr.
Fort Myers, FL 33901

Sunrise Systems, Inc.
Ft. Laud., FL 333201

The Chemist – Promenade Shops
N. Miami Beach, FL 33180

United Prescription Ctr.
Hollywood, FL 33021

Veteran's Admin.
Miami, FL 33125

Villa Maria/Bon Secours Phcy.
No. Miami, FL 33161

Wellington Regional Hospital
West Palm Beach, FL 33414

West Boca Medical Ctr.
Boca Raton, FL 33428

West Gables Rehab Hospital
Miami, FL 33155
STUDENT ORGANIZATIONS

Academy of Students of Pharmacy
The Academy of Students of Pharmacy (ASP) is the student branch of America's largest and oldest association of pharmacists, the American Pharmaceutical Association (APhA). This pharmacy organization is also the only one that represents all practice settings and, at present, has more than 10,000 student members attending the 74 schools and colleges of pharmacy across the country. ASP has equal representation within the organization and has its own standing committees on education programs, publications, awards, and policy. At the local level, student members can participate in service projects that benefit both the college and the community as well as social activities that foster school spirit. Any pharmacy student can be a member of ASP and still be eligible for participation in any other campus organization.

Rho Chi
The fundamental objective of Rho Chi has always been to promote the advancement of the pharmaceutical sciences through the encouragement and recognition of sound scholarship. High standards of intellectual and scholarly attainments have been demanded for election to membership. Rho Chi, like its sister honor societies, seeks to increase the awareness of the ethical and social responsibilities of the profession, and thereby to enhance the prestige of the profession.

Phi Lambda Sigma
The purpose of Phi Lambda Sigma, the national Pharmacy Leadership Society, is to promote the development of leadership qualities in pharmacy, especially among pharmacy students. By peer recognition, the Society encourages participation in all pharmacy activities. Membership crosses fraternal and organizational lines and, therefore, the Society does not compete with any other organization.

Alpha Zeta Omega
Alpha Zeta Omega is a professional Pharmaceutical Fraternity. The main focus of the fraternity lies within the areas of sociability, competition, scholarship, leadership and varied interests in the profession of pharmacy. The SECOP Undergraduate Chapter is known as Psi Chapter.

Phi Delta Chi
Phi Delta Chi fraternity is an association formed to advance the science of pharmacy and to foster a fraternal spirit among its members. Being a member is a lifelong experience which promotes scholastic, professional, and social growth in order to advance pharmacy. Each member serves the public health and has a goal to be a leader in pharmacy.

Rho Pi Phi International Pharmacy Fraternity
Rho Pi Phi International Pharmacy Fraternity is a co-ed, non-sectarian, professional pharmacy fraternity. The fraternity was founded with the ideals that a pharmacy fraternity should be open to all pharmacy students regardless of sex, age, race or religion, and it follows those ideals even today. Members of Rho Pi Phi work in various practice settings including hospital, community, government, industry, education, alternative care-settings professional associations, and more.
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<thead>
<tr>
<th>Name</th>
<th>City</th>
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<tr>
<td>Debra Gail Angelo</td>
<td>Youngstown, OH</td>
<td>Broward Community College</td>
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<td>Amelia M. Arias</td>
<td>Hialeah</td>
<td>St. Thomas University</td>
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<td>Anne-Marie Sharon Baugh-Taffe</td>
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<td>Regina Behar</td>
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<td>Maria Elizabeth Gazzola</td>
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<td>Roberto Gonzalez</td>
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<td>Lisa A. Norio</td>
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<td>Monica Theresa Olejnik</td>
<td>Boca Raton</td>
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<td>Ayse Celikel Ozdamar</td>
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<td>Hacettepe University College of Pharmacy, Ankara, Turkey</td>
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<td>Isabel Polo</td>
<td>N. Miami</td>
<td>University of Miami</td>
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<td>Emilia Cambo Ponce</td>
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<td>Marcelo Luis Prieto</td>
<td>Davie</td>
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<td>Walda Riggott</td>
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<td>Charles Thomas Robertson</td>
<td>Deerfield Beach</td>
<td>Virginia Tech.</td>
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<td>Jose A. Rodriguez</td>
<td>Ft. Lauderdale</td>
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<td>Juan Carlos Rodriguez</td>
<td>Hialeah</td>
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<td>Nina Ann Schleifman</td>
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William Joseph Shaheen – North Miami Beach
St. Thomas University

Matthew J. Sikler – Plantation
Broward Community College

Brenda Jo Simmons – Miami
A.A. – University of Florida
B.S. – University of Florida

Daisy Souto – Tampa
A.A. – University of South Florida

Russell Karl Stoltman – West Palm Beach
B.A. – Wayne State University

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B.A. – Florida Atlantic University

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Hillsborough Community College
Florida State University

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Jorge L. Zuloaga – Miami Beach
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Pharmacy D. – Class of 1992

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B.A. – Florida International University

Suheir Ashchi – North Miami Beach
Florida International University

Sharon A. Bujnicki – Pembroke
A.A. – Broward Community College

Suzanne Burgos – Miami Beach
B.S. – Northwestern University

Sylvia Camacho – Hialeah
A.A. – Miami-Dade Community College

Murray H. Cohen – Ft. Lauderdale
B.A. – University of Maryland

Rolando A. Croney – Miami
B.A. – St. Thomas University

Sharon R. Reizner – Miami
Florida International University

Satpal Sautman – Hollywood
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Janine F. Scarborough – Sarasota
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Dorinda Segovia – Hialeah
A.A. – Miami-Dade Community College

Andriette C. Cruz – Miami
A.A. – Miami-Dade Community College

Olga M. Estrada – Miami
B.A. – Florida International University

Michelle Gerard – Naples
A.A. – Eckerd Community College

Anita J. Gillam – Hollywood
B.A. – University of South Florida

Wan-Ping L. Kam – Tampa
B.A. – University of South Florida

Christine A. Kaminska – Tampa
University of South Florida

Beata Kowalski – Miami
University of Wisconsin
University of Florida

Belkys Lezcano – Hialeah
A.A. – Miami-Dade Community College

Teresita Martins – Miami
Miami-Dade Community College
Florida State University

Hortensia G. Mendez – Hialeah
Miami-Dade Community College

Melissa Anne Paniello – Tampa
A.A. – University of Florida
Sneha B. Patel - Orlando
A.A. - Valencia Community College

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B.S. - Class of 1992

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Christi Branch - Fort Lauderdale
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Gerald Buller - Warner Robins, GA
A.A. - Macon College

Charlyn C. Chen - Vero Beach
Florida Atlantic University

John Patrick Conn - Opa Locka
A.A. - Miami-Dade Community College

John T. Connors - Ft. Lauderdale
A.A. - Gloucester County College
B.S. - Glassboro State College

Sharon Cretsinger - Punta Gorda
Edison Community College

Robin Dean - Ft. Myers
A.A. - Edison Community College

Hayden Durhan - Fort Lauderdale
A.A. - Broward Community College

Hessam Sam Eftekhart - Miami
Miami Dade Community College

Maira Ines Garcia - Miami Lakes
Miami-Dade Community College

Michael Meadows Gaskin - Satellite Beach
A.A. - Brevard Community College

Barbara Gup - Hollywood
B.S. - Old Dominion University

Patrick Haro - Pembroke Pines
A.A. - Broward Community College

Faribe J. Hejazi - Palm Beach Gardens
Palm Beach Junior College

Enrique Hernandez - Miami
A.A. - Miami Dade Community College

Lily Hui - Miami
A.S. - Miami-Dade Community College
B.S. - Barry University

John Emery Hyman - North Lauderdale
A.A. - Shoreline Community College
B.S. - University of Washington

Pedro Jimenez - Miami
Florida International University

Patricia A. Jones - Hollywood
B.S. - Florida A&M University

Gisselle Lambert - Hialeah
A.A. - Miami Dade Community College

Bossy Joseph - Cooper City
B.S. - University of Kerala
M.S. - University of Kerala

Kenneth Michael Kilby - Lantana
A.A. - Palm Beach Community College

Susan Lee - Hialeah
A.A. - Miami Dade Community College

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Joy John Marcus - North Miami
A.A. - Anderson Junior College
B.S. - University of South Carolina
M.S. - St. Thomas University

Karen Denise McLin - Plant City
A.A. - Hillsborough Community College

Joel Michel - Miami
Centre D'Accueil - Port-Au-Prince

Ana Lourdes Morales - Miami Beach
Miami Dade Community College

Ana Laura Morfa-Belaval - Hollywood
A.A. - Broward Community College

Margarita Navarrete - Miami
Florida International University

Marie Osteen - Davie
A.A. - Broward Community College

Christopher Past - Goshen, KY
B.A. - University of Louisville

John Paul Rowley, II - Ft. Myers
University of Florida

Lori A. Schuster - Hollywood
A.A. - Broward Community College

Jihan M. Suliman - St. Petersburg
B.S. - School of Pharmacy - Alexandria, Egypt

Robert Schwartzman - Hallandale
B.A. - Emory University

Michelle Spittler - Ft. Pierce
A.A. - Hillsborough Community College

Sheela Georgy Varughese - Sunrise
B.S. - University of Kerala

Richard Weiner - Lake Worth
A.A. - Palm Beach Community College
B.A. - Florida Atlantic University

Richard Williams - Miami
B.S. - Morris Brown College

Armando Wong - Miami
A.A. - Miami Dade Community College
B.S. - University of Miami

Charles Zuza - Hollywood
Broward Community College

Class of 1993

Cynthia Akamune - North Miami Beach
B.S. - University of Benin, Nigeria

Berekti Ashgedon - Miami
A.A. - College of Boca Raton
B.A. - Florida International University

Elena Marie Avello - Coconut Creek
Broward Community College

Uyen-Ly, Bui - Plantation
University of Florida

Yehia Dallal - Deerfield Beach
Broward Community College

Bela Dattani - Orlando
A.A. - Seminole Community College

Gary DiPatrizio - Miami
University of South Florida

Steven Flamenbaum - Hallandale
Broward Community College

Lisa Dawn Heslin - Miramar
Broward Community College

Steffie Hoff - Pembroke Pines
A.S. - St. Petersburg Junior College

Charles Howe, III - Miami
B.S. - University of Miami

Robina Janota - Boca Raton
Florida Atlantic University

John Jansen - Amsterdam, Netherlands
B.S. - University of Amsterdam

Mercy Joseph - Bartow
A.A. - Polk Community College

Saeed Khayyami - Ft. Lauderdale
B.S. - Massachusetts College of Pharmacy
M.S. - Northeastern University

Anthony Madpak - Ontario, Canada
B.S. - University of Sashatoon
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<td>Maria Perez-Arias</td>
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<td>Jeffrey Quedado</td>
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Ivonne Marie de Marchena - Miami  
St. Thomas University  
University of Miami  
Florida International University

Melissa Juanita Dossey - Nashville, TN  
B.S. - Tennessee Technical University

Silvia Rosa Duenas - Miami  
A.A. - Miami-Dade Community College

Rafael Luis Escalona - Miami  
A.A. - Miami-Dade Community College

Fawwaz Yasser Farooqui - N. Miami Beach  
A.A. - Miami-Dade Community College

Kathleen Nora Flood - Davie  
A.A. - Broward Community College

Rosanne Martino Fredrickson - N. Miami Beach  
A.A. - Hillsborough Community College  
B.S. - University of South Florida

Laura Michelle Fuentes - Pembroke Pines  
A.A. - Miami-Dade Community College

Guadalupe Garcia - Miami  
Miami-Dade Community College

Denise L. Gardner - Pompano Beach  
A.A. - Broward Community College

Joanne Carmen Genovese - Dania  
A.A. - Miami-Dade Community College

Bill Gillespie, Jr. - Tampa  
B.A. - University of South Florida

Tina Carmela Gish - Ft. Meyers  
Laraine County Community College  
Edison Community College

Betsy Barbara Gonzalez - Miami  
Miami-Dade Community College

Charles Andrew Gowans - North Miami  
A.A. - Miami-Dade Community College

Joseph Joshua Greenstein - Sunrise  
B.A. - University of California

Sandra Elisa Gutierrez - Hialeah  
A.A. - Miami-Dade Community College

Christopher John Hudenko - Tampa  
Manatee Community College  
University of South Florida

Arash Jabbari - Miami  
Miami-Dade Community College

Katherine Lynn Jewell - Miami  
A.A. - Broward Community College

Holly Lynn Jimenez - Tampa  
Florida State University

Dean Scott Katon - Davie  
A.A. - Broward Community College

Leah F. Kelley - Pompano  
Broward Community College

Carol June Kinsion - Sunrise  
University of Wisconsin  
Broward Community College

Joan Maxine Knight - Miami  
A.A. - Miami-Dade Community College

Dana Kohler - Hollywood  
A.A. - Pasco-Hernando Community College  
B.A. - University of Florida

Denise Morin Leon - Ft. Lauderdale  
A.A. - Palm Beach Community College

Donna M. Leone - North Miami  
B.S. - Barry University

Miguel Kurt Lob - Tampa  
B.S. - University of South Florida

Carla Alexandra Luque - Miami  
Miami-Dade Community College

Frank Adolph Mariano - Orlando  
Palm Beach Junior College  
University of Central Florida

Christine Noel Marshall - Summerland Key  
A.A. - Florida Keys Community College

Brian Keith Miller - Pembroke Pines  
A.A. - Miami-Dade Community College

Mohammad Mehdi Mokhtary - North Miami Beach  
A.A. - Miami-Dade Community College

Martha Eugenia Monsalve - Miami  
Miami-Dade Community College

Susan Nasmyth-Miller - Miami  
A.A. - Miami-Dade Community College
Diem Thuy Nguyen – Orlando
Valencia Community College
University of Central Florida

John F. Nigara – Coral Springs
B.A. – St. Bonaventure University

Deborah Ann Noonan – Cape Coral
Edison Community College

Robert Alexis Novigrod – Surfside
Miami-Dade Community College

Randall Walters O’Neill, Jr. – Valrico
B.A. – Rutgers University

Theodore M. O’Neill – North Miami
A.A. – Miami-Dade Community College

Parimala A. Patel – Miami
A.A. – Santa Fe Community College

Francis Leonardo Pena – Carol City
A.A. – Miami-Dade Community College

Patricia Ann Perera – Miami
A.A. – Miami-Dade Community College

Alina Maria Perez – Coral Gables
A.A. – Miami-Dade Community College
B.S. – University of Miami

Traqi August Poley – Ft. Lauderdale
Kellogg Community College
Miami-Dade Community College
Broward Community College

Gabriella Maria Ponzio – Ft. Myers
A.A. – Edison Community College

Roberto F. Prieto – Miami
A.A. – Miami-Dade Community College
M.B.A. – Florida International University

Annette Barbara Proenza – Orlando
A.A. – Valencia Community College

Carol Ann Reed – Lake Worth
Palm Beach Community College
Florida Atlantic University

Marion Y. Reichers – Cape Coral
A.A. – Edison Community College

Michael Justo Reyes – Hialeah
A.A. – Miami-Dade Community College

Suzette Robine – Cape Coral
A.A. – Edison Community College

Aldo Antonio Rodriguez – Miami
Miami-Dade Community College

Odalys C. Rodriguez – Miami
A.A. – Miami-Dade Community College

Bopha Huot Sayavong – North Miami Beach
University of Arkansas
University of New Orleans
Miami-Dade Community College

Althea E. Shaw – Coral Springs
B.S. – University of Miami

Stacy Ann Smith – Coral Springs
St. Thomas University
Florida Southern College
Broward Community College

Brian Taggart Staley – Brandon
A.A. – Hillsborough Community College

Amin G. Surani – Kipumoy, Kenya
University of Georgia

Rezan Tewolde – Miami
B.S. – Florida Memorial College
B.S. – Florida International University

Alan W. Thein – Gainesville
B.S. – University of Florida

Maribel Torres – Casselberry
University of Central Florida

Melania Trigo – Miami
A.A. – Miami-Dade Community College

Todd Laurence Troxell – Whitmore Lake, MI
A.A. – Washtenaw Community College

David Richard Upson – Ft. Meyers Beach
A.A. – Edison Community College

Jose A. Vargas – Miami
A.A. – Miami-Dade Community College

Cathy Jill Viscome – Ormond Beach
A.A. – Daytona Beach Community College

Catherine D. Vo – Sarasota
University of South Florida

David N. Weinberg – Lake Worth
A.S. – Palm Beach Community College

Jeffrey Wilhelm – Gainesville
A.S. – Santa Fe Community College

Jane Gracey Wynn – Plantation
Broward Community College

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Class of 1995

Janet Lee Albers – Tampa
A.S. – Madison Area Technical College
A.S. – Southern Seminary Junior College

Jose Joaquin Alonso – Miami
A.A. – Miami-Dade Community College
B.S. – Florida International University

Niisa Alvarez – Hialeah
B.S. – St. Thomas University

Yolanda Amor – Miami
B.A. – University of St. Thomas

Bahan Azarm – N. Miami Beach
A.A. – Miami-Dade Community College

Jonathan Samuel Bailey – Reynolds, GA
University of Georgia
Macon Jr. College
Ft. Valley State

Radhan Kumari Bakhtiani – Miami
A.A. – Miami-Dade Community College

Donna Collette Beach – Miami
University of Florida
Florida International University

Madelyn Becerra – Hialeah
A.A. – Miami-Dade Community College

Randall Darren Beck – Winter Haven
A.A. – Polk Community College

Bridget Joy Bernstein – Davie
B.S. – University of South Florida

Margaret Eloiva Beson – Ft. Meyers
A.A. – Edison Community College

Thomas Anthony Bohan – Pembroke Pines
Broward Community College

Robert Carl Borchard – Tampa
B.A. – Spring Hill College

Lisa Anne Bradley – Gainesville
B.S. – University of Florida

Karen Ann Brainard – Cape Coral
B.S. – Georgia Tech.

German Eloy Brizuela – Miami
Florida International University
Miami-Dade Community College

Michael Elliot Butler – Tampa
B.S. – Ohio State

Luis E. Caban – Miramar
University of Puerto Rico

William Evans Caras – West Palm Beach
A.A. – Palm Beach Community College

Matthew J. Cardella – Delray Beach
A.A. – Nassau Community College
A.A. – Florida Atlantic University

Susan Emily Casas de Betancourt – Miami
A.A. – Florida International University

Alicia Marie Chang – North Miami Beach
B.A. – University of Miami

Caren Diane Cohalla – Tampa
University of South Florida
Hillsborough Community College

Daniel Justo Cordova – Tampa
A.A. – Hillsborough Community College

Kevin Cork – Ormond Beach
A.S. – Daytona Beach Community College
A.A. – Daytona Beach Community College

Matthew DeBacker – Cape Coral
A.A. – Edison Community College

Nancy Delatorre – Coral Springs
Broward Community College
Nova University

Ramon Docobo – Tampa
A.A. – Hillsborough Community College
B.A. – University of Tampa

Donald Dorrington Jr. – North Lauderdale
Broward Community College

David L. Durham – Tamarac
Broward Community College

Luz Jacqueline Elias – Coral Springs
Marquette University
Xavier University
Broward Community College

Phyllis Estevez – Coral Springs
A.A. – Broward Community College

Kimberly Joyce Fanale – Pompano Beach
B.S. – Boston College
Izzy Aron Farhy – Ramat-Gau, Israel
Higher Institute of Chemical Technology, Bulgaria

Norah Fereda-Lozano – Miami
Broward Community College
Miami-Dade Community College

Maria C. Fernandez – Miami
Miami-Dade Community College
University of Puerto Rico

Sylvia Fernandez – Santurce, PR
Inter-American University

Louise Flynn – Miami
B.A. – Vassar

Benjamin Gagliardo – Punta Gorda
A.A. – Edison Community College

Mitchell Andrew Garnick – North Miami Beach
A.A. – Broward Community College
B.A. – University of South Florida

Betsy Gonzalez – Miami
Miami-Dade Community College

Javier Gonzalez – Miami
Florida International University

Serafin Gonzalez – Miami
A.A. – Miami-Dade Community College

Mary Joanne Guercio – Cooper City
A.A. – Broward Community College
B.A. – University of Florida

Silvia A. Guilarte – Miami
Florida International University
Miami-Dade Community College

Robert Joseph Hafner – Miami
A.A. – Miami-Dade Community College

James Gerard Hardigan – Big Rapids, MI
Ferris State University

Patrick Shawn Hawthorne – Ocala
A.A. – Central Florida Community College

Kathy M. Healey – Orlando
University of Central Florida

Debbie J. Heritage – St. Petersburg
A.A. – St. Petersburg Jr. College

Aixa Hernandez – Miami
A.A. – Miami-Dade Community College

Fauzia Hussain – Miami
A.A. – Miami-Dade Community College

Thuy Ngoc Huynh – Pinellas Park
A.A. – St. Petersburg Jr. College

Ada Barbara Izquierdo – Miami
A.A. – Miami-Dade Community College

Louis A. Jefko – Coral Springs
B.A. – University of Connecticut

James Christopher Justice – Flomaton, AL
A.A. – Jefferson State Jr. College
B.S. – University of Alabama

Vigen Keshishian – Ft. Lauderdale
A.A. – Miami-Dade Community College

Daniel Alexander Kryzanekas – Ormond Beach
Daytona Beach Community College
Bethune-Cookman College

Lisa Kulhanjian – Hollywood
Broward Community College

Steve Kwon – West Palm Beach
A.A. – Palm Beach Jr. College
B.S. – University of Florida

Phuong Dong Lam – Miami
A.A. – Miami-Dade Community College

Rosalina M. Lee – Miami
A.A. – Miami-Dade Community College
B.A. – Florida International University

Sara Ji hyon Lee – Winter Park
University of Central Florida

Ellen Wanda Lipscomb – Pompano Beach
Florida Atlantic University

Clara Caridad Mari – Miami
A.A. – Miami-Dade Community College
B.S. – Florida International University

John Carlton Marks – Palm Beach Gardens
B.S. – Marshall University

Christina Marshall – Summerland Key
A.A. – Florida Keys Community College

Michelle Masters – Tampa
A.A. – Hillsborough Community College

Robert Bruce Maufruy – Mt. Dora
B.S. – North Carolina State College
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<td>Kurt McCartney</td>
<td>Nassau, Bahamas</td>
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<td>Janelle Anne Monti</td>
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<td>University of South Florida</td>
</tr>
<tr>
<td>Ruben Antonio Navarro</td>
<td>Miami</td>
<td>Miami-Dade Community College</td>
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<tr>
<td>Eric Neilson</td>
<td>Winter Park</td>
<td>University of Central Florida</td>
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<tr>
<td>Gail Marie Nowacki</td>
<td>Williamsville, NY</td>
<td>Erie Community College</td>
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<tr>
<td>Robert Joseph O'Neill</td>
<td>North Miami Beach</td>
<td>Miami-Dade Community College</td>
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<tr>
<td>Pedro Ochoantesana</td>
<td>North Miami Beach</td>
<td>Florida International University</td>
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<tr>
<td>Ana Ondriezek</td>
<td>Miami</td>
<td>University of Miami</td>
</tr>
<tr>
<td>Ronald Paine</td>
<td>Ft. Lauderdale</td>
<td>University of South Florida</td>
</tr>
<tr>
<td>Stephanie Rae Plesek</td>
<td>LaBelle</td>
<td>Edison Community College</td>
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<tr>
<td>Barbara Pusch</td>
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<tr>
<td>Norberto Edgardo Quesada</td>
<td>Miami</td>
<td>Miami-Dade Community College</td>
</tr>
</tbody>
</table>
Ellen S. Tepfer – Tamarac
B.A. – Rollins College

Marixa Ivon Torre – Surfside
York University
University of Florida
Barry University

Jennifer Ann Tribbey – Pompano Beach
B.S. – Stetson University

For Tsang – Paramaribo, Surinam
Miami-Dade Community College

Maggie Urrutia – Miami
A.A. – Miami-Dade Community College

Richard Michael Van Matre – Brandon
A.A. – Hillsborough Community College

Margarita Villazan – Miami
A.A. – Miami-Dade Community College

Carisa Anthea Walker – Miami
Florida International University
Miami-Dade Community College

Christina Marie Winkler – Naples
B.S. – University of Central Florida

Opal Natalie Wright – Davie
A.A. – Broward Community College
CLINICAL AFFILIATE FACULTY
College of Pharmacy

Acosta, Maria C., B.S., Pharm.D.
Ader, Shelia, B.S.
Ailey, Isaac, Pharm.D.
Alander-Hughes, Mariela, Pharm.D.
Aranz, Eric, B.S.
Aranz, Ceci, B.S.
Anderson, Mary Adam, Pharm.D.
Aresty, Pat, Pharm.D.
Aresty, Jeff, Pharm.D.
Avery, Mark, B.S.
Aviles, Ofelia, Pharm.D.
Bailey, Ray, B.S.
Bennett, Ricardo, Pharm.D.
Bamman, David, Pharm.D.
Barone, Louis, B.S.
Baron, Elizabeth, Pharm.D.
Bastianzi, Rosa, B.S., Pharm.D.
Becks, Lewis, B.S.
Behar, Eugenia, Pharm.D.
Berry, Greg, B.S.
Bresette, Karen, B.S.
Buchanan, Rick, B.S.
Burger, Maria, Pharm.D.
Bursted, Rich, B.S.
Byers-Polston, Linda, B.S.
Caldwell, Richard D., B.S., M.S.
Carnevale, Joseph, B.S.
Castro, Maria, B.S.
Catapano, Glenn, B.S.
Chaffman, Michael, B.S.
Chan, Che, B.S., M.S.
Childress, Lin, B.S., Pharm.D.
Chong, Eddie, B.S.
Chiruegos, Carmina, Pharm.D.
Clark, John, Pharm.D.
Cobb-Wright, Joy, B.S., Pharm.D.
Cook-Krop, Lynn, B.S., Pharm.D.
Copolla, John, B.S., M.S.
Covey, Doug, Pharm.D.
Dal, Gary, B.S., M.S.
Dalsane, Mansukh, B.S.
Das Young, Leena, Pharm.D.
Davis, Amy, B.S.
Davis, Allen, Pharm.D.
Davis, Michael, B.S., M.S.
DeSilve, Kathryn, Pharm.D.
Dras, Heydi, B.S., Pharm.D.
Del Vecchio, Rafealla, B.S., M.P.A., M.B.A.
Del Vecchio-Feinberg, Gilda Jo, B.S., M.S.
Diaz, Art, B.S.
Dinsdale, Beverly, Pharm.D.
Drelch, Iris, B.S., M.Ed., B.S.
Drill, David B.S., R.Ph.
Eger, Ydei, B.S.
Eger, Paul, B.S.
Ehrick, Dave, B.S., M.B.A., M.H.A.
Esserman, Zachary, B.S.
Ekmel, Farag, B.S.
Farooq, Mujahid, B.S., M.S.
Fass, Steve, B.S.
Feldman, Gerald, B.S., Pharm.D.
Fingerhut, Mitch, B.S., M.B.A., M.S.
Foster, Robert, B.S.
Gardner, Stanley, M.S., Pharm.D.
Gilman, Jamie, Pharm.D.
Gingery, Joel, Pharm.D.
Goding, Robert, B.S.
Gomez, Eleanor, Pharm.D.
Greely, Julie, Pharm.D.
Green, Robert, B.S., Pharm.D.
Gufley, Kevin, B.S., M.B.A.
Gutierrez, Ryaas, B.S.
Guzman, Belizada, Pharm.D.
Harper, Gary, B.S., M.B.A.
Harrin, Marcia, B.S.
Harrington, Fritz, B.S.
Harris, Betty, B.S.
Hatfield, Donald, B.S.
Hernandez, Esie, B.S., M.S.
Hernandez, Ana, B.S.
Hinkes, Roberta, Pharm.D.
Hitchken, Karen, B.S.
Howard, Jay, B.S.
Huggins, Glenn, Pharm.D.
Hunter, Jr., Horace, B.S.
Johnsaw, Martin, B.S.
Johnson, Bentley, B.S., M.S.
Johnson, Philip, B.S., M.S.
Justina, Danisi, Pharm.D.
Kaiser, Ronald, B.S.
Kasper, Victoria, B.S., M.S.
Kat, Alan, B.S.
Katz, Larry, B.S.
Kaye, Jonas, B.S., Pharm.D., Ph.D.
Kiao, Joseph, B.S.
Knee, Allen, B.S.
Koptowsky, Joseph, B.S., M.S.
Krane, Scott, B.S.
LaPerriere, Jacquesline, Pharm.D.
Labrada, Luz, B.S., M.S.
Lauffer, Ray, B.S.
Laven, David, B.S.
Laveroni, Dennis, B.S., Pharm.D.
Ledina, Michael, B.S.
Leftowitz, Sheldon, B.S., M.S.
Levine, Harold, B.S.
Lewis, Mary Jane, B.S.
Lipman, Steve, B.A., B.S., Pharm.D.
Lipschitz, Harvi, Pharm.D.
Litman, Robert, B.S.
Little, Martha, B.S.
LoPresti, Sue, B.S., M.B.A.
Lopez, Ana Maria, Pharm.D.
Lopilato, Constantine, B.S.
Maeda, David, B.S., J.D.
Maggio, Cindy, B.S., Pharm.D.
Makler, Seth, B.S.
Manny, Richard, Pharm.D.
Martin, Mel, B.S., M.B.A.
Mattox, Kimberly, Pharm.D.
Maya, David, Pharm.D.
McCormick, Amy, Pharm.D.
McGaw, Parnella, B.S., Pharm.D.
Meyer, Ed, B.S.
Milder, Harry, B.S.
Miller, Ed, B.S., Ed., B.S., R.Ph.
Millstein, David, B.S.
Minot, Richard, B.S., M.B.A.
Momon, Renea, B.S., Pharm.D.
Mora, Juan, B.S.
Morales, Marlene, Pharm.D.
Morelli, Cecelia, B.S.
Morris, Theresa L., Pharm.D., M.P.H.
Mowrey, Kim, Pharm.D.
Nee, Douglas, B.S., M.S.
Nichol, Allen, B.S.
Nichol, Debra, B.S.
Normann, Sven, B.S., Pharm.D.
Novak, John, B.S.
Onder, Wayne, B.S.
Ondr, Ross, B.S.
Orens, Michael, B.S., M.B.A.
O'Byrne, James, Pharm.D.
Piesczynski, Lynn, B.S.
Pollack, Lynn, B.S.
Portman, Scott, B.S.
Pressman, Steven, B.S.
Proctor, Richard, B.S., Pharm.D., M.B.A.
Probst, Ed, B.S.
Quintero, Modesto, B.S.
Ravelo, Olfa, Pharm.D.
Ray, Alex, Pharm.D.
Reister, Cliff, B.S., M.S.
Ried, Gene, Pharm.D.
Robinson-Beck, Margie, B.S., M.P.H.
Rohaus, Ron, B.S.
Romero, Olga, A.A., B.S.
Rosenblum, Andrea, Pharm.D.
Rosenzweig, James, B.S., M.S.
Salem, Joe, Pharm.D.
Schoenike, Steve, Pharm.D.
Scott, Joseph, B.S., M.S.
Scott, Joe, Pharm.D.
Sanek, Adam, Pharm.D.
Ser, Jan, B.S., M.B.A.
Shackelford, Diane, Pharm.D.
Shipa, Dina, B.S.
Sieradzan, Raymond, Pharm.D.
Simas, Kevin, B.S.
Simmonds, Brenda Jo, B.S., Pharm.D.
Simms, Sandra, Pharm.D.
Snyder, Michael, Pharm.D.
Stambaugh, Jerry Jean, B.S., M.P.A.
Stamford, Michael, B.S.
Steuerman, Manny, B.S.
Stevens, Robert, B.S., M.B.A.
Sweet, Daniel R., B.S.
Thompson, Tim, B.S.
Tomczyk, Phyllis, B.S.
Tonicek, Bill, B.S., M.S.
Troyer, Scott, Pharm.D.
Van Lut, Richard, Pharm.D.
Vanderbilt, Gary, B.S.
Vudal, Mike, B.S.
Wagner, Richard, B.S.
Walden, Steve, Pharm.D.
Walton, Mark, B.S., M.S.
Ward, Arie, B.S.
Warshofsky, Jerry, B.S.
Watson, Michael, B.S.
Webster, Will, Pharm.D.
Wier, Mike, B.S.
Wells, Michelle, Pharm.D.
Wilturi, Robert, Pharm.D.
Wilson, Mark, B.S.
Wittas, Richard, B.S., M.S.
Woodall, Sandy, B.S.
Yang, Connie, Pharm.D.
Zaltdivar, Fernando, B.S.
Zlamal, Raymond, B.S., M.S.
College of Optometry
College of Optometry

Stewart Abel, O.D.
Dean

Administration

Stewart Abel, B.S.E., O.D., Dean
Lester Janoff, O.D., M.S., Associate Dean for Academic Affairs
Harold E. Laubach, B.S., M.S., Ph.D., Associate Dean for Basic Sciences
Marla Frohlinger, B.A., Assistant Dean for Admissions and Student Affairs
Mary Smith, Registrar
Patrick J. Gorman, B.S.H.A., Director of Student Financial Aid
Jeffrey Schneider, M.B.A., C.P.A., Director of Finance
Steven Weinstein, B.S., C.P.A., Comptroller
Steven Culbreth, B.S., Bursar
Anita Gleimer, B.A., M.B.A., Director of Medical Communications
Emil L. Todaro, B.A., D.O., Executive Director of Development
L. Daniel Valdes, B.A., Director of Development
Janice Gottlieb, M.A., M.L.S., Library Director
Royal Flagg Jonas, B.S., J.D., Legal Counsel
Optometry

One of man's most precious gifts is sight. An optometrist through academic and clinical training learns to diagnose, treat and prevent problems of the visual system — maintaining this gift of life. Optometry is an expanding profession that offers many career opportunities to those willing to study, work hard and assume the responsibilities of a primary health care professional.

Today's optometrists practice in large and small communities throughout the nation, either as individuals or at clinics and hospitals. They also take part in teaching, research and public health. As the newest and only school in Florida, the Southeastern College of Optometry will prepare students to treat multiple vision disorders, which shall include an understanding of visual information processing, ocular anatomy and physiology.

The Southeastern College of Optometry is the newest division of the Southeastern University of the Health Sciences, sharing a campus with the Southeastern College of Osteopathic Medicine and the Southeastern College of Pharmacy. After learning that both the Florida Optometric Association and the American Optometric Association supported the creation of an optometry school in Florida, Southeastern University officials appointed a task force to explore the possibility of forming an optometry school.

They researched and identified a need for a new optometry school in the state. In the Fall of 1988, the University's Board of Governors voted in favor of an optometry school and in Dec. 1988, the State Board of Independent Colleges and Universities approved the organization of a new school.

The goal of the Southeastern University of the Health Sciences is to establish a multidisciplinary health professions campus that through faculty and student interaction will make the University more than just the sum of its parts.
# ACADEMIC CALENDAR

## 1991-92

### FALL SEMESTER

<table>
<thead>
<tr>
<th>Date</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sunday, August 11, 1991</td>
<td>Orientation &amp; registration for full-time students</td>
</tr>
<tr>
<td>Monday, August 12, 1991</td>
<td>Full-time classes begin at 9:00 a.m.</td>
</tr>
<tr>
<td>Monday, September 2, 1991</td>
<td>Labor Day, No Classes</td>
</tr>
<tr>
<td>Wednesday, November 27, 1991</td>
<td>6:00 P.M. Thanksgiving Recess Begins</td>
</tr>
<tr>
<td>Monday, December 2, 1991</td>
<td>8:00 A.M. Classes Resume</td>
</tr>
<tr>
<td>Friday, December 13, 1991</td>
<td>6:00 P.M. Classes End</td>
</tr>
<tr>
<td>Monday, December 16, 1991</td>
<td>Final Exams Begin</td>
</tr>
<tr>
<td>Friday, December 20, 1991</td>
<td>5:00 P.M. Winter Recess Begins</td>
</tr>
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</table>

### SPRING SEMESTER

<table>
<thead>
<tr>
<th>Date</th>
<th>Event</th>
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<tbody>
<tr>
<td>Monday, January 6, 1992</td>
<td>8:00 A.M. Registration of full-time students</td>
</tr>
<tr>
<td></td>
<td>9:00 A.M. Full-time Classes begin</td>
</tr>
<tr>
<td>Monday, January 20, 1992</td>
<td>Martin Luther King, Jr. Day, No Classes</td>
</tr>
<tr>
<td>Monday, February 17, 1992</td>
<td>President’s Birthday, No Classes</td>
</tr>
<tr>
<td>Friday, April 10, 1992</td>
<td>5:00 P.M. Spring Recess Begins</td>
</tr>
<tr>
<td>Monday, April 20, 1992</td>
<td>8:00 A.M. Classes Resume</td>
</tr>
<tr>
<td>Friday, May 15, 1992</td>
<td>6:00 P.M. Classes End</td>
</tr>
<tr>
<td>Monday, May 18, 1992</td>
<td>Final Exams Begin</td>
</tr>
<tr>
<td>Friday, May 22, 1992</td>
<td>Second Semester Ends</td>
</tr>
</tbody>
</table>
ACADEMIC CALENDAR
1992-93

FALL SEMESTER

Sunday, August 16, 1992
Orientation & registration for full-time students

Monday, August 17, 1992
Full-time classes begin at 9:00 A.M.

Monday, September 7, 1992
Labor Day, No Classes

Wednesday, November 26, 1992
6:00 P.M. Thanksgiving Recess Begins

Monday, November 30, 1992
8:00 A.M. Classes Resume

Friday, December 11, 1992
6:00 P.M. Classes End

Monday, December 14, 1992
Final Exams Begins

Friday, December 18, 1992
5:00 P.M. Winter Recess Begins

SPRING SEMESTER

Monday, January 4, 1993
Registration of full-time students.
Full-time classes begin at 9:00 A.M.

Monday, February 22, 1993
Presidents' Birthday - No Classes

Friday, April 2, 1993
5:00 P.M. Spring Recess Begins

Monday, April 12, 1993
8:00 A.M. Classes Resume

Friday, May 8, 1993
6:00 P.M. Classes End

Monday, May 10, 1993
8:00 A.M. Final Exams Begin

Friday, May 14, 1993
10:30 P.M. Second Semester Ends
Requirements for Admission

The College of Optometry selects students based on pre-professional academic performance, Optometry Admission Tests (OAT) scores, personal interviews, written application and letters of reference. All are described below.

Prior to matriculation, applicants must have completed a minimum of 90 hours of specified course work and/or baccalaureate degree at an accredited college or university with a creditable grade point average. The College will seek students with superior G.P.A.'s and quality OAT's.

The courses shall include the following required subjects:
- Biology — 8 semester hours, including laboratory.
- General Chemistry — 8 semester hours, including laboratory.
- Organic Chemistry — 4 semester hours, including laboratory.
- Physics — 8 semester hours, including laboratory.
- Microbiology — 3 semester hours, including laboratory.
- Calculus — 3 semester hours.
- Statistics — 3 semester hours.
- English — 6 semester hours.
- Psychology — 6 semester hours.
- Social and Behavioral Sciences — 8 semester hours.

There is no requirement that a student must major in a specific area. Students are encouraged to select their undergraduate curriculums according to their own interests with a view toward educating themselves to function as professionals in an ever-increasing complex society.

Application Procedures

The admissions office will begin processing applications (rolling admission) immediately for the class entering in the Fall of 1992. The application form and a fee of $50.00 should be completed as soon as possible, but sent in by no later than May 15 in order to be considered for admission for September, 1992.

A complete application is required before an applicant can be considered for admission. A complete application includes the application form with a recent photograph, application fee, a complete set of official transcripts, the Optometry Admission Test (OAT), letters of recommendation (or composite evaluation), and an interview.

The Office of Admissions accepts applicants year round. Students may be called in at any time for interviews and/or requests for additional information.

The College of Optometry awards a baccalaureate degree to those individuals with 90 hours completed after successfully completing two years of optometric study at Southeastern.
LETTERS OF RECOMMENDATION

An evaluation by a pre-professional health advisor or committee is required from the applicant's undergraduate institution. If this form of recommendation cannot be provided, three individual letters of recommendation are required from undergraduate instructors: two from science instructors and one from another Liberal Arts instructor. If possible, these letters should be from faculty members who are knowledgeable about the applicant's scholastic abilities and personal characteristics; otherwise, they should be from persons who can provide pertinent information to the Admissions Committee about these areas.

A letter of reference from an Optometrist is highly recommended. It is not required, however.

TRANSCRIPTS

Official transcripts of all work attempted at all colleges and universities must be forwarded, by the institutions attended, to the College of Optometry Admissions Office. It is the responsibility of the applicant to ensure that arrangements are made for these transcripts to be sent. A final transcript, covering all the applicant's work, must be forwarded to the admissions office prior to matriculation.

INTERVIEW

All admitted candidates must have been interviewed at the College of Optometry. Not all applicants will be interviewed but those who are will be notified of the date and time of interview by the admissions office. Even though no student will be admitted without an interview, being granted an interview is not a guarantee of admission to the college.
Accreditation

The Doctor of Optometry program at the Southeastern University of the Health Sciences College of Optometry has received pre-candidate "preliminary approval" accreditation from the American Optometric Association's Council on Education. The AOA Council on Education is the accrediting body for programs in colleges and/or schools of optometry in the United States. Granting of "preliminary approval" status brings no rights or privileges of full accreditation to the institution until all requirements are met. "Preliminary approval" status is the second of three steps a new college of optometry must take to reach full accreditation. After the school passes the required steps as outlined by the AOA Council of Education, it will receive full accreditation.

All professional schools and/or colleges, whether it be optometry, pharmacy or medicine, become accredited upon graduation of the first class.

Additional information can be obtained from the Southeastern University of the Health Sciences admissions office.

Tuition and Fees

The Board of Trustees has established the following tuitions and fees. (Note that tuition and fees are subject to change at any time at the discretion of the board of Trustees):

1. Tuition – $8,900.00 for 1991-92 for Florida residents and $12,900.00 for residents of all other states.

2. Acceptance Fee – $100.00. This fee is required to reserve the accepted applicant's place in the entering first year class. This advance will be deducted from the tuition payment due on Registration Day, but is not refundable in case of withdrawal. It is payable within two weeks of the applicant's acceptance.

3. A second deposit of $400.00 is required by March 15, under the same terms as the Acceptance Fee.

4. Pre-registration Fee – $500.00. This is due June 1, under the same terms as the Acceptance Fee.

The year's tuition and fees, less the $1,000.00 previously paid, are due on or before Registration Day. Students will not be admitted until their financial obligations have been discharged.

The financial ability of applicants to complete their training is important, because of the limited number of positions available in each class. Applicants should have specific plans for financing four years of professional education. This should include provision for tuition, living expenses, books and equipment, travel and miscellaneous expenses.

It is strongly suggested that each student carry adequate personal, medical and hospital insurance. Students may avail themselves of the hospitalization insurance plan obtainable through the College.
Financial Aid

The primary purpose of the Student Financial Aid Program at the Southeastern University College of Optometry is to help as many qualified students as possible attend and complete optometry school.

All sources of financial aid, scholarships and loans listed in this section are summarized briefly due to the constantly changing requirements, fund availability and interest levels. The financial administrator monitors all revisions in these programs and maintains a current status file on each. For further information on any of the following programs, please contact the Financial Aid Officer.

Federal Programs

<table>
<thead>
<tr>
<th>Program</th>
<th>Maximum Annual Award</th>
</tr>
</thead>
<tbody>
<tr>
<td>Stafford Student Loan</td>
<td>$7,500</td>
</tr>
<tr>
<td>Supplemental Loan</td>
<td>$4,000</td>
</tr>
<tr>
<td>Health Education Assistance Loan</td>
<td>$20,000</td>
</tr>
</tbody>
</table>

The Stafford Student Loan is a fixed interest federally subsidized loan. The Supplemental Loan is a variable interest unsubsidized loan. The Health Education Assistance Loan is a variable interest unsubsidized loan.

College of Optometry Scholarship

The College of Optometry Scholarship for under-represented minorities in Optometry is a full tuition scholarship. To be eligible, applicants must be U.S. citizens, permanent residents, and residents of the State of Florida and must be in a minority group considered by University administrators to be under-represented in the State of Florida. Other qualifications are academic merit, financial needs, practice goals and demonstrated personal abilities.

Private Programs

The Professional Education Program, a private alternative loan program, lends a student up to $7,500 annually, or up to $20,000 annually with a creditworthy co-applicant.

Requirements For Graduation

In order to be eligible for the degree of Doctor of Optometry, each student shall:

a) Be at least twenty-one years of age.
b) Be of good moral character.
c) Have satisfactorily passed all prescribed examinations.
d) Have satisfactorily completed the program of study required for the degree, including all assignments.
e) Have satisfactorily discharged all financial obligations.
f) Take Parts I and II of the National Board Examination.
g) Have obtained a Baccalaureate degree by the end of their second year at Southeastern.
h) Attend in person the commencement program at which time the degree is conferred.
i) Have been a student in an optometric college for at least four academic years.
Course of Study

The professional curriculum consists of nine different academic units. These are Community Health Optometry, Health Sciences, Optics, Pediatric Optometry, Primary Optometry, Rehabilitative Optometry, Vision Sciences, Environmental Optometry and Clinic.

COMMUNITY HEALTH OPTOMETRY
In the first two years the principles of epidemiology and health delivery systems are studied. Later, emphasis is on the organization of delivery of optometric services, practice administration and vision health education.

HEALTH SCIENCES
Students will extend their undergraduate mastery of biological science and chemistry to the functions of the visual system and ocular and general pathology.

OPTICS
The principal function of optics is to provide students with a comprehensive knowledge of image formation and the methodology of image analysis, including modern analysis by way of the "modulation transfer function". Students learn to understand the physical basis for light and the elements of radiometric quantity. They obtain a qualitative understanding of lasers, static and dynamic fiber optics systems, and other developments in modern optics.

PEDIATRIC OPTOMETRY
This section addresses those aspects of vision care that pertain specifically to children. Major topics include modification of standard clinical procedures and practices to accommodate the very young patient.

PRIMARY CARE OPTOMETRY
The primary care optometry curriculum begins during the first professional year, when students are given lecture, laboratory and clinical instruction in procedures involved in conducting an optometric examination. During the second year, students receive instruction in the diagnosis and treatment of anomalies of vision and begin to examine patients in the college's out-patient clinic. In the third year experience is gained by caring for children as well as geriatric patients, and in the fields of contact lens fitting and vision training. During the fourth year students are encouraged to accept broader responsibilities in the diagnosis and treatment of a wide variety of optometric problems, and participate in secondary and tertiary forms of optometric care.
REHABILITATIVE OPTOMETRY
This tract is concerned with the body of knowledge needed to examine, diagnose, and treat those with unique visual problems which require significant rehabilitative effort beyond conventional refraction.

VISION SCIENCES
The study of vision sciences concerns non-patient related aspects of optometry. The principal goals are to provide students with an awareness and understanding of the scientific method and an in-depth general knowledge which the public has a right to expect from a practicing professional.

ENVIRONMENTAL OPTOMETRY
Environmental vision applies the knowledge of physiological optics to the visual environments of individuals or groups to enhance visuo-motor performance as well as ocular safety, comfort and general efficiency in seeing.

CLINIC
The student's clinical experience will be enhanced through the college's clinics throughout South Florida. These clinical locations will allow the students to apply their base knowledge in actual clinical settings under the direction of clinical faculty.

EXTERNAL EDUCATION PROGRAM
The External Education Program provides third and fourth-year professional optometry students with clinical learning experience in multidisciplinary community health facilities serving communities in need of optometric services.
## CURRICULUM OUTLINE
### FIRST YEAR, FIRST SEMESTER

<table>
<thead>
<tr>
<th>Course</th>
<th>Lec.</th>
<th>Lab.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Human Histology &amp; Embryology</td>
<td>2</td>
<td>1</td>
</tr>
<tr>
<td>Human Anatomy</td>
<td>2</td>
<td>0</td>
</tr>
<tr>
<td>Biochemistry</td>
<td>3</td>
<td>0</td>
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<tr>
<td>Geometric Optics</td>
<td>4</td>
<td>3</td>
</tr>
<tr>
<td>Introduction to Optometry</td>
<td>2</td>
<td>0</td>
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<tr>
<td><strong>TOTAL HOURS</strong></td>
<td>13</td>
<td>4</td>
</tr>
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### FIRST YEAR, SECOND SEMESTER

<table>
<thead>
<tr>
<th>Course</th>
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<tr>
<td>Patient Communication</td>
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<td>Optometric Theory &amp; Methods</td>
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<tr>
<td>Gross Anatomy of the Head/Neck/Ocular Anatomy</td>
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<td>Neuroanatomy/Ocular Anatomy</td>
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### SECOND YEAR, FIRST SEMESTER

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### SECOND YEAR, SECOND SEMESTER

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<td>Binocular Vision</td>
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<td>Ocular Pharmacology I</td>
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<tr>
<td>Ocular Diseases I (Lid &amp; Anterior Seg.)</td>
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### SECOND YEAR, SUMMER TERM

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<td><strong>TOTAL HOURS</strong></td>
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### THIRD YEAR, FIRST SEMESTER

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<td>Contact Lenses I</td>
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<td>Ocular Disease III (Neuro-Optometry, Oncology, and Radiology)</td>
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<td>Optometric Methods III</td>
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### THIRD YEAR, SECOND SEMESTER

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<td>Ocular Disease IV (Ocular Manifestations of Systemic Diseases)</td>
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### THIRD YEAR, SUMMER SEMESTER

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### FOURTH YEAR, FIRST SEMESTER

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### FOURTH YEAR, SECOND SEMESTER

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### FIFTH YEAR RESIDENCY OPTION

To be announced
Anatomy

Chairman & Professor: G.R. Conover; Professor: G.C. Ericson; Professors Emeriti: F.H. Higginbotham, A.C. Higginbotham; Associate Professors: L.B. Dribin, J.C. Lanning; Assistant Professor: S.F. Simpson

Anatomy I HISTOLOGY & EMBRYOLOGY 54 Hours
A general overview of histology and embryology with an emphasis on the basic tissues necessary for the understanding of the histology of the eye. Laboratories consist of the study of projected slides and the demonstration of tissues with the light microscope.

Anatomy II HUMAN ANATOMY 40 Hours
An introductory course designed to give students an understanding of the structure of the human body. The course is presented with an organ systems approach. Laboratory work provides a study of cadaver material.

Anatomy III GROSS ANATOMY OF THE HEAD & NECK 72 Hours
A detailed study of the gross structures of the human head and neck, including the eye. Laboratories include dissection of cadavers.

Anatomy IV NEUROANATOMY 52 Hours
A study of the gross structure of the brain and spinal cord and the functional relationship among their parts. Emphasis is placed upon major motor and sensory pathways and integrative mechanisms of the central nervous system.

Biochemistry

Chairman & Professor: K.H. Woodside; Associate Professor: E.E. Groseclose; Assistant Professor: E.O. Keith

BIOCHEMISTRY 54 Hours
The metabolism of proteins, lipids, nucleic acid and carbohydrates will be emphasized, followed by introduction to the biochemical aspects of visual, digestive, muscular, respiratory and endocrine systems.

Microbiology

Chairman & Professor: H.E. Laubach; Adjunct Professor: G. Kucker; Associate Professor: H. Hada; Assistant Professor: S.D. Obenauf

Microbiology I MEDICAL MICROBIOLOGY/IMMUNOLOGY 75 Hours
The study of medical microbiology covering Immunology, Bacteriology, Mycology, Parasitology and Virology with emphasis on infectious disease processes involving the eye.
Optometric Basic Science

Associate Professors: W. Abel, B. Gilman, M. McKay; Assistant Professor: R. Klingaman; Instructor: E. Bergman

GEOMETRICAL OPTICS 105 Hours
The principles of geometric optics will be taught with examples and optometrics applications where possible. The course will include study of linear propagation, reflection, refraction, prisms, thin lenses alone and in combination, thick lenses lens aberrations and some ophthalmic instruments.

PHYSICAL OPTICS 90 Hours
The optical principles, primarily dealing with wave optics, will be taught with applications, examples and laboratory demonstration. Included will be wave equations, interference, diffraction, polarization, dispersion, photometry, spectroscopy, lasers and holography.

OPHTHALMIC OPTICS I 108 Hours
The student will apply the knowledge from Geometrical and Physical optics to ophthalmic equipment, ophthalmic lenses and prism, frames, spectacle prescriptions (writing and verifying). The lab is composed of 3 sections: frames, lenses and fabrication.

OPHTHALMIC OPTICS II 108 Hours
Design and construction of multi-focal lenses. Provide guidelines for frame and lens choices, alignment and fitting procedures for various prescription requirements. Complete hands-on experience in selecting, ordering, fabricating, fitting and dispensing of spectacles.

VISUAL OPTICS & PSYCHOPHYSICS 54 Hours
The optical properties of the eye will be considered. Major topics will include refractive state of eye, retinal image formation, accommodation and entopic phenomena. Additionally, a discussion of classical and modern methods used to measure visual thresholds will be included. Attempts to formulate a psychophysical "Law" and an alternate to threshold determination, namely, signal detection theory will be presented.

MONOCULAR SENSORY VISION 54 Hours
An introduction to perceptual properties of the visual system. Major topics will be: spatial and temporal aspects of vision, theories of color vision, color vision testing, rationale for construction of color vision tests and photoreceptor properties that affect visual perception, i.e., Stiles-Crawford effect.

BINOCULAR VISION 54 Hours
The sensory aspects of depth perception will be covered. This course will cover data that relate to having two eyes such as the physiological substrate for stereopsis, the nature of the horopter, tests which measure stereoaucuity and principles underlying these tests.

OCULAR MOTILITY 54 Hours
An overview of eye movements. Measurement techniques, types of eye movements and the physiological sub-systems involved in moving the eyes. Emphasis will be placed on understanding the interaction of eye muscles and physiological signals.

OCULAR ANATOMY 36 Hours
This course consists of a detailed study of both the gross and microscopic structures of the eye and its adnexa to better understand the alterations that occur in ocular disease and abnormality.
OCULAR PHYSIOLOGY
This course uses general physiological principles and processes such as cellular membrane translocation and electrophysiology, applied to the eye and visual system. Laboratories will be presented that apply these principles to methods used in the routine and specialized ocular examination.

OPTOMETRIC Clinical Science


INTRODUCTORY OPTOMETRY
The subject matter presented introduces the students to the role Optometry has played in the health care scene, past, present and future. It addresses the ethical, moral, and legal obligations a Doctor of Optometry accepts when entering the field as a health care provider. It also covers elementary concepts of refractive errors, binocularity and ocular diseases.

OPTOMETRIC THEORY & METHODS I
The theory portion consists of understanding the purpose and meaning behind the procedures and the optics of the instruments utilized. Proper recording of data and patient instructions are emphasized. Procedures taught are the preliminary vision tests, refraction, keratometry, biomicroscopy, and retinoscopy.

SECONDARY CLINICS CARE
In the fourth professional year the student will participate in a variety of specialty clinics (ophthalmological, neurological, electro-diagnostic, etc.) where he/she will be responsible for examination, diagnosis and management of the individual patient.

ANOMALIES OF BINOCULAR VISION I
The testing, analysis, diagnosis and management of non-strabismus anomalies of ocular motility, accommodation and binocular vision. The utilization of lenses, prisms and vision therapy to ameliorate non-strabismic dysfunction will be presented.

ANOMALIES OF BINOCULAR VISION II
The testing, analysis, diagnosis and management of strabismus and amblyopia will be covered in detail, as well as the utilization of lenses, prisms and vision therapy to ameliorate problems of strabismus and amblyopia.

LOW VISION (VISION REHABILITATION)
Presents information regarding the etiology, demography, and clinical characteristics of low vision to permit a better understanding of the functional implications of visual impairment in the child and adult. A systematic approach to the diagnosis and management of visual disorders presenting within this special population with an emphasis on improving the quality of life and functional capacity of visually impaired persons through the application of magnifications, illumination control and visual field enhancement.

OPTOMETRIC THEORY & METHODS II
Concentrates on continuing to develop understanding of the balance of procedures required to perform a comprehensive vision exam in order to enter vision clinics in the spring semester. The techniques to be taught consist of installation of drops, measuring intraocular pressure, examining the fundus using a binocular indirect ophthalmoscope, a direct ophthalmoscope, and a volk 90 D lens. Binocular vision testing using a Vetrographic system will also be covered.
CASE ANALYSIS 36 Hours
The purpose of the course is to analyze the data collected during the refractive portion of the vision exam and to determine appropriate treatment plans for refractive anomalies. The analysis consists of graphing the data and prescribing for the patient based on the graph, history, symptoms and problems presented by the patient.

PATIENT COMMUNICATIONS 36 Hours
Presents to students the history, regulating agencies, code of ethics, modes of practice, and associations of the optometric profession. In addition, legal issues and liability are stressed. Also covered are human interpersonal relations between doctor and patient.

PRIMARY CARE CLINIC I 90 Hours
The students begin their clinical experience examining patients in our satellite clinics. This course presents the procedure for management of patients in these clinics. It also presents special testing procedures and indications for their application, such as exophthalmometry, fornt 4-DOT, gonioscopy, autorefraction, autokeratometry, and Goldmann visual fields.

PRIMARY CARE CLINIC II 170 Hours
This course continues the student's experience in patient examination. It also presents special testing procedures and indications for their use in clinical practice, such as computer application in practice, dynamic retinoscopy, examination of children, Schirmer tear test and Jones test.

PRIMARY CARE CLINIC III 306 Hours
This course continues the student's experience in patient examination. It also presents special testing procedures and indications for their use in clinical practice, such as the Goldmann Fundus lens, foreign body removal, rust ring removal, palpation of lymph nodes and carotid pulse auscultation.

PRIMARY CARE CLINIC IV 306 Hours
The student's clinical experience continues with additional information being presented on electrodiagnostic and other specialized testing.

PRIMARY CARE CLINIC V 160 Hours
Represents clinical rotations during the fourth academic year in a variety of college clinics. Students will work in close association with Osteopathic Medicine and Pharmacy.

PRIMARY CARE CLINIC VI 504 Hours
Represents clinical rotations during the fourth academic year in a variety of college clinics. Students will work in close association with Osteopathic Medicine and Pharmacy.

PRIMARY CARE CLINIC VII 216 Hours
Represents clinical rotations during the fourth professional year in a variety of college clinics. Students will work in close association with Osteopathic Medicine and Pharmacy.

CLINICAL SEMINAR II 36 Hours
Presentation of clinical cases demonstrating the basic and advanced principles of Optometric Care. These cases will be drawn from patients seen in clinics and will be supported by studies from the literature.
GERIATRIC OPTOMETRY 72 Hours
Discusses aging from a sociological, psychological, and biophysiological perspective. Reviews the diagnosis and management of visual conditions and ocular diseases presenting in the well and frail older adult. Describes the roles of the optometric physician as an important member of the multidisciplinary health care team in providing services to community based and institutionalized geriatric patients.

PEDIATRIC OPTOMETRY 54 Hours
Provides information concerning the visual needs of children and youth. This will enable the student to put into action his/her acquired knowledge in the areas on anomalies of binocular vision, abnormal vision development and visually related learning disabilities.

DEVELOPMENTAL VISION & LEARNING DISORDERS 36 Hours
The course will present normal development, developmental disorders, testing of vision associated with abnormal development including visual perception. Also covered will be the role of the optometrist as an integral part of the multi-disciplinary team in management and therapy.

CONTACT LENSES I 72 Hours
This course is designed as an introduction to the area of contact lenses. It will explore the history, technical and clinical aspects of lens materials as well as lens design and fitting.

CONTACT LENSES II 72 Hours
This course will present theoretical and practical aspects of fitting hydrogel and advanced lens designs and materials with a working knowledge of fitting the more complex cases.

EPIDEMIOLOGY & PUBLIC HEALTH 54 Hours
A review of the health care system from both optometric and public health perspectives. Basic public health concepts are presented emphasizing application in the optometric setting. Topics covered include principles of epidemiology and biostatistics, plus demographic analysis.

PRACTICE MANAGEMENT I 36 Hours
The student is presented career path decisions and from this is developed the concepts of location, methods of financing, office design, and policies & procedures. Marketing, use of assistants, and management of the patient from first phone call until being placed in the inactive file will also be covered.

PRACTICE MANAGEMENT II 36 Hours
A more detailed study of employment opportunities, practice association or purchase, and how to select a lawyer, accountant, and financial advisor will be conducted. The student will also learn how to analyze a balance sheet, negotiate a bank loan and select staff and professionals. Issues of retirement will conclude the course.

ENVIRONMENTAL OPTOMETRY 30 Hours
In this course the student will be taught the role of the optometrist in assessing and caring for the occupational and recreational visual needs of the patient.

CLINICAL SEMINAR I 36 Hours
Presentation of clinical cases demonstrating the basic and advanced principles of Optometric Care. These cases will be drawn from patients seen in clinics and will be supported by studies from the literature.
COLLEGE OF OPTOMETRY

DISSERTATION (Selected Topics in Optometry) 36 Hours
The student will be required to complete a scholarly investigation into an approved topic after the presentation of the elements of a scholarly project, fundamentals of scientific inquiry, experimental design and analysis of data, and presentation of results.

Pathology

Associate Professors: A. Aran, S. Holbrook, M.A. Khin; Assistant Professor: K. Khin; Instructor: D.A. Russo

PATHOPHYSIOLOGY & GENETICS 54 Hours
This general Pathology course will present the student with an introduction to the study of disease. For each organ system covered, special emphasis will be placed on how a particular disease manifests itself in the eye.

OCULAR DISEASE I 54 Hours
This course will cover the diagnosis and pharmacological management of the ocular adnexa, cornea and external diseases. Clinical rotations will emphasize treatment modalities.

OCULAR DISEASE II 54 Hours
This course will cover the diagnosis and management of disease processes associated with the crystalline lens and the structures that constitute the posterior segment of the eye.

OCULAR DISEASE III 54 Hours
This course will cover the diagnosis and management of disease processes associated with the ocular system in the area of neuropathology, oncology, and radiology. Clinical rotations will emphasize these subjects, i.e., diagnosis and treatment.

OCULAR DISEASE IV 54 Hours
This course will deal with the ocular manifestations of specific systemic diseases. It will address the physician's treatment modalities and effects on the ocular systems. Clinical grand rounds will aid in inter-disciplinary management of these problems.

CLINICAL MEDICINE 54 Hours
This course will cover the clinical process in the medical diagnosis and treatment of systemic diseases. Exposure to this subject matter will allow the Optometrist to better understand the management of sick patients, and potential ocular complications.

Pharmacology

Acting Chairman & Assistant Professor: J. Barakeh; Adjunct Assistant Professor: L. Crespo

GENERAL PHARMACOLOGY 90 Hours
This course begins with a thorough grounding in the principles of drug action. The classes of drugs used in clinical practice will be examined in detail, with particular emphasis on structure and activity, mode of action, side effects, toxicity and drug interactions. The pharmacological intervention of pathophysiological processes will be stressed as well as the clinical application of each drug class.

OCULAR PHARMACOLOGY 36 Hours
This course is a study of the drugs used in the eye or capable of exerting a pharmacological or toxicological effect on the eye.
Physiology

Professor & Chairman: H.J. Lyons; Associate Professor: B. Sturbaum; Assistant Professor: C. Woody

Human Physiology  GENERAL PHYSIOLOGY  54 Hours

A comprehensive study of human physiology presented from an organ systems approach. This course will include the study of general (cell, membrane, muscle and blood) and cardiovascular physiology.
COLLEGE OF OPTOMETRY
Class of 1993
(Charter Class)

Maria Adis, Lauderhill
B.S. - Florida State University

Ruth M. Arellano, Miami
A.A. - Chaffey College
B.S. - University of California

Abraham Boutros Awad, Tampa
B.S. - Virginia Polytechnic Institute & State University

Annette Bade, Cliffside Park, NJ
B.A. - Emory University

Robert J. Barnes, Cranford, NJ
B.A. - Pennsylvania State University

David Neal Brancati, Cape Coral
B.S. - University of Florida

Brian Thomas Burry, Haines City
B.S. - University of Florida

Michael Dean Chesen, North Miami
A.A. - Miami Dade Community College
A.S. - Miami Dade Community College
B.S. - University of Florida

Napoleon B. Cobb, Orlando
B.S. - Howard University

Cheri T. Colagross, Birmingham, AL
B.S. - University of Alabama

Leoncio Victor Gonzalez, Tampa
B.A. - University of Florida
B.S. - University of Florida

Muneer Hanna, Jacksonville
Pre-Optometry - Jacksonville University

Victor Angel Higuera, Tampa
A.A. - Daytona Beach Community College
B.A. - University of South Florida

Robert Jacobs, North Miami Beach
Pre-Optometry - Colorado State University

Ronnie D. Jeter, Houston, TX
B.B.A. - North Texas State University

Ralph Joseph Lamberto, Utica, NY
B.A. - S.U.N.Y.

Shahan Mananqikian, Oviedo
B.S. - S.U.N.Y. at Albany

Shari Nadira Murray, Tampa
B.S. - University of Florida

William Ralph Porter, Jr., Valrico
A.A. - Hillsborough Community College
B.S. - University of South Florida

Alexis Rodriguez, Hialeah
A.A. - Miami-Dade Community College
B.A. - University of South Florida

Vivienne Laura Rosenbusch, Boca Raton
O.D. - Techniken Witwatersrand (South Africa)

Isabelle Agatha Ruszczyk, Jupiter
B.S. - University of South Florida

Christine M. Scrodanus, Saugerties, NY
B.A. - College of St. Rose

Barbara Rita Sponheuer, Tampa
A.A. - Edison Community College
Pre-Optometry - University of South Florida

Preston Henry Starks, Winston-Salem, NC
B.A. - East Carolina University

Jennifer Marie Tasca, Norristown, PA
B.S. - Indiana University of Pennsylvania

Gillian A. Thomas, Miami
B.A. - Emory University
M.P.H. - Florida International University

William M. Warneck, Jr, Arlington, TX
B.A. - Monmouth College
Class of 1994

Anita Ahuja – Portland, OR
B.A. – Reed College

Genia Gail Beasley – Tampa
B.S. – North Carolina State University

Marcus O. Benedetto – Orlando
B.S. – University of Florida
M.S. – University of Florida

Darren Robert Blom – Jacksonville
A.A. – Florida Community College

Kenneth D. Boyle – Fort Lauderdale
B.S. – University of Florida
M.B.A. – University of Florida

Robert David Butterwick – Miramar
B.S. – Millersville University

Cecilia Ines Cabrera – Pembroke Pines
B.A. – St. Thomas University

Jose Antonio Castillo – Hialeah
A.S. – Miami-Dade Community College
B.S. – Florida Atlantic University

Jewell Renee Chang – Jensen Beach
B.S. – University of South Florida

Ardis Clement – Pittsburgh, PA
A.S. – Community College of Allegheny County
B.S. – California University of Pennsylvania

Debbie S. Cohen – Plainview, NY
B.A. – State University of New York

Richard Jay Cohen – Boca Raton
A.A. – New York City Community College
B.A. – Florida Atlantic University

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Bruce Jay Consor – Dallas, TX
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  B.A. - Oglethorpe University

Terry Puglielli Rose - Tampa
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  B.S. - University of Saigon
  M.A. - Harvard University

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  B.S. - College of Charleston

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  D.C.S. - Loyola College
  B.Sc. - Concordia University
  M.B.A. - Concordia University

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128
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Linh T. Ta – Tampa
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Quyen Huu Tran – Palm Bay
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M.D. - 1947 - George Washington University  

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M.S. - 1985 - Duquesne University  
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Psy.D. - Nova University  

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D.O. - 1981 - Texas College of Osteopathic Medicine  

Professor of Optometric Practice  
Associate Professor of Optometric Practice  
Assistant Professor of Pharmacy Practice  
Clinical Assistant Professor of Internal Medicine  
Clinical Assistant Professor of General Practice  
Clinical Professor of Internal Medicine  
Clinical Assistant Professor of Surgery  
Clinical Associate Professor of Optometry  
Instructor in Anesthesiology  
Clinical Assistant Professor of Emergency Medicine  
Assistant Professor of Pharmaceutical Practice  
Clinical Instructor of Psychiatry  
Clinical Instructor of Surgery
<table>
<thead>
<tr>
<th>Name</th>
<th>Degree</th>
<th>Year</th>
<th>Institution</th>
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<tr>
<td>Joseph F. Barakah</td>
<td>B.A.</td>
<td>1983</td>
<td>Rollins College</td>
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<tr>
<td></td>
<td>M.S.</td>
<td>1986</td>
<td>Emory University</td>
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<td></td>
<td>Ph.D.</td>
<td>1988</td>
<td>Emory University</td>
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<tr>
<td>Daniel R. Barkus</td>
<td>B.A.</td>
<td>1955</td>
<td>Temple University</td>
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<td></td>
<td>D.O.</td>
<td>1959</td>
<td>Philadelphia College of Osteopathic Medicine</td>
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<tr>
<td>Frank C. Barone</td>
<td>B.A.</td>
<td>1949</td>
<td>University of Buffalo</td>
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<td>Charles C. Barton</td>
<td>B.S.</td>
<td>1969</td>
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<td>M.D.</td>
<td>1973</td>
<td>Meharry Medical College</td>
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<tr>
<td>Edward Becker</td>
<td>M.D.</td>
<td>1976</td>
<td>University of Central Del Este San Pedro</td>
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<tr>
<td>Jeffrey S. Beitler</td>
<td>M.D.</td>
<td>1972</td>
<td>Bowman Gray</td>
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<tr>
<td>Michael Belotti</td>
<td>B.S.</td>
<td>1979</td>
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<tr>
<td>Richard Bennett</td>
<td>B.A.</td>
<td>1975</td>
<td>University of Michigan</td>
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<td>D.O.</td>
<td>1987</td>
<td>Michigan State University College of Osteopathic Medicine</td>
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<td>Shaughn Bennett</td>
<td>B.S.</td>
<td>1974</td>
<td>University of Florida</td>
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<td></td>
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<td>1966</td>
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<td>Robert L. Bentz</td>
<td>B.S.</td>
<td>1974</td>
<td>University of Notre Dame</td>
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<td>D.O.</td>
<td>1978</td>
<td>Philadelphia College of Osteopathic Medicine</td>
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<tr>
<td>Richard Berger</td>
<td>M.D.</td>
<td>1965</td>
<td>Tulane University</td>
</tr>
<tr>
<td>Manuel Bergman</td>
<td>B.H.L.</td>
<td>1943</td>
<td>Sperdus College, Chicago</td>
</tr>
<tr>
<td></td>
<td>O.D.</td>
<td>1945</td>
<td>Illinois College of Optometry</td>
</tr>
<tr>
<td>Donald C. Bergmann</td>
<td>B.S.</td>
<td>1942</td>
<td>Baldwin-Wallace College</td>
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<td></td>
<td>D.O.</td>
<td>1945</td>
<td>Kirksville College of Osteopathic Medicine</td>
</tr>
<tr>
<td>Andrew Bern</td>
<td>B.S.</td>
<td>1972</td>
<td>S.U.N.Y. at Stony Brook</td>
</tr>
<tr>
<td></td>
<td>M.D.</td>
<td>1976</td>
<td>Downstate Medical Center S.U.N.Y.</td>
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<tr>
<td></td>
<td></td>
<td></td>
<td>Fellow, American College of Emergency Physicians</td>
</tr>
<tr>
<td>Eulogio Besada</td>
<td>M.S.</td>
<td>1982</td>
<td>University of Houston</td>
</tr>
<tr>
<td></td>
<td>O.D.</td>
<td>1989</td>
<td>University of Houston</td>
</tr>
</tbody>
</table>

Assistant Professor of Pharmacology
Professor of Obstetrics and Gynecology
Assistant Professor of Osteopathic Principles and Practice
Clinical Associate Professor of Psychiatry
Clinical Instructor of Surgery
Clinical Assistant Professor of Surgery
Clinical Instructor in General Practice
Clinical Instructor in General Practice
Clinical Assistant Professor of Ophthalmology
Visiting Professor of Internal Medicine
Instructor in Optometric Practice
Professor Emeritus of Pathology
Clinical Instructor in Emergency Medicine
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Satish Bhalla  
M.S. - 1963 - Panjab University, India  
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Clinical Instructor of Internal Medicine  
Clinical Associate Professor of Internal Medicine  
Clinical Instructor of General Practice  
Clinical Assistant Professor of Psychiatry  
Clinical Instructor of General Practice
<table>
<thead>
<tr>
<th>Name</th>
<th>Degree(s)</th>
<th>Year</th>
<th>Institution</th>
</tr>
</thead>
<tbody>
<tr>
<td>Leslie G. Brewer</td>
<td>D.O.</td>
<td>1971</td>
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</tr>
<tr>
<td>Edward W. Bringman</td>
<td>A.B.</td>
<td>1954</td>
<td>Berea College</td>
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<tr>
<td></td>
<td>M.S.</td>
<td>1956</td>
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</tr>
<tr>
<td>Carl L. Brumback</td>
<td>A.B.</td>
<td>1936</td>
<td>University of Kansas</td>
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<td>M.D.</td>
<td>1943</td>
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<td>University of Michigan</td>
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<td>Fellow, American College of Preventive Medicine</td>
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<tr>
<td>Wayne Burrows</td>
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<tr>
<td>Howard Busch</td>
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<td>1977</td>
<td>Hobart University</td>
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<tr>
<td>Larry Bush</td>
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<td>1973</td>
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<tr>
<td>Louis Butera</td>
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<td>Temple University</td>
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<td>1978</td>
<td>Philadelphia College of Osteopathic Medicine</td>
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<td>Michael F. Carelli</td>
<td>O.D.</td>
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<tr>
<td>Marc S. Carp</td>
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<td>1976</td>
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<tr>
<td>Craig Carson</td>
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<td>1973</td>
<td>Brigham Young University</td>
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<td></td>
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<tr>
<td>Manuel J. Carvajal</td>
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<td>1966</td>
<td>Florida Atlantic University</td>
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<td></td>
<td>M.S.A.</td>
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<td>University of Florida</td>
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<tr>
<td></td>
<td>Ph.D.</td>
<td>1974</td>
<td>University of Florida</td>
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<tr>
<td>James J. Caschette</td>
<td>B.A.</td>
<td>1959</td>
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<td></td>
<td>D.O.</td>
<td>1963</td>
<td>Philadelphia College of Osteopathic Medicine</td>
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<tr>
<td>Martin Casper</td>
<td>B.A.</td>
<td>1968</td>
<td>American University</td>
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<tr>
<td></td>
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<td>Thomas Chaille</td>
<td>B.S.</td>
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<tr>
<td>Louis Chaykin</td>
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<tr>
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<td>M.D.</td>
<td>1961</td>
<td>Temple University</td>
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<td></td>
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Robert Cutler
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Pharm. D. - 1986 - Massachusetts College of Pharmacy

Gary Dalin
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Marianne Davenport
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B.S. - 1981 - Florida Southern College
D.O. - 1985 - Southeastern College of Osteopathic Medicine

David J. Duncan
D.O. - 1961 - Kirksville College of Osteopathic Medicine
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<td>1947</td>
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Israel Feldman  
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D.O.     - 1978  - College of Osteopathic Medicine and Surgery
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<td>1957</td>
<td>University of Amsterdam (Holland)</td>
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**Associate Professor of Biochemistry**:  
Julian Groff

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<td>Jeffrey I. Jackson</td>
<td>B.A.</td>
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<td>Case Western Reserve University</td>
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<td>D.O.</td>
<td>1975</td>
<td>Philadelphia College of Osteopathic Medicine</td>
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<td>William Jacobs</td>
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<td>1980</td>
<td>State University of New York</td>
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<td>1984</td>
<td>New York College of Osteopathic Medicine</td>
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<td>Marvin Jaffee</td>
<td>D.O.</td>
<td>1962</td>
<td>College of Osteopathic Medicine and Surgery</td>
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<td>Edward S. Jaffry</td>
<td>B.A.</td>
<td>1954</td>
<td>University of Miami</td>
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<td>Deanna R. James</td>
<td>B.A.</td>
<td>1979</td>
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<td>M.D.</td>
<td>1983</td>
<td>Tufts University School of Medicine</td>
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<td>Lester E. Janoff</td>
<td>O.D.</td>
<td>1953</td>
<td>Pennsylvania College of Optometry</td>
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<td>M.Sc.</td>
<td>1975</td>
<td>University of Southern California</td>
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<td>Paul S. Jellinger</td>
<td>B.A.</td>
<td>1964</td>
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<td>1983</td>
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<td>Audrey M. Johnson</td>
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<td>1974</td>
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<td>Barron Johnson</td>
<td>B.S.</td>
<td>1977</td>
<td>University of the West Indies</td>
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<td>M.B.</td>
<td>1982</td>
<td>University of the West Indies</td>
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<td>H. Bruce Jones</td>
<td>A.B.</td>
<td>1960</td>
<td>Seton Hall University</td>
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<td>M.D.</td>
<td>1964</td>
<td>Seton Hall College of Medicine and Dentistry</td>
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<td>J.B. Joye</td>
<td>D.O.</td>
<td>1953</td>
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</table>
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Clinical Instructor in Internal Medicine

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Ph.D. - 1976 - St. Louis University

Assistant Professor of Optometric Clinical Science
<table>
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<tr>
<th>Name</th>
<th>Degree</th>
<th>Year 1</th>
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<tr>
<td>Richard D. Knapp</td>
<td>B.A.</td>
<td>1971</td>
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<td>Clinical Assistant Professor of Community Medicine</td>
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<td>Prasad Kondapavuluru</td>
<td>M.D.</td>
<td>1978</td>
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<td>Clinical Instructor in Internal Medicine</td>
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<td>B.S.</td>
<td>1969</td>
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<td>Clinical Assistant Professor of Internal Medicine</td>
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<td>Richard Kreinest</td>
<td>M.D.</td>
<td>1982</td>
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<td>Clinical Assistant Professor of Obstetrics and Gynecology</td>
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<td>Neil F. Krouse</td>
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<td>Clinical Instructor of General Practice</td>
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<td>Michael Krutchik</td>
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<td>George Kucker</td>
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<td>1930</td>
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<td>Adjunct Professor of Microbiology</td>
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<td>David Kudelko</td>
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<td>Peter Lamelas</td>
<td>M.D.</td>
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<td>Clinical Instructor of Emergency Medicine</td>
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<td>Joseph J. LaPeyra</td>
<td>M.D.</td>
<td>1963</td>
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Albert La Torra
B.S. - 1954 - St. Joseph's College
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<table>
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<th>Name</th>
<th>Degree(s)</th>
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<tr>
<td>Melvyn Rech</td>
<td>A.B. - 1960</td>
<td>Temple University</td>
<td>Professor of Surgery</td>
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<td>D.O. - 1965</td>
<td>Kirksville College of Osteopathic Medicine</td>
<td>Fellow, American College of Osteopathic Surgeons</td>
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<td>Fellow, American Osteopathic College of Orthopedics</td>
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<td>Daniel R. Reider</td>
<td>B.S. - 1949</td>
<td>Rutgers University</td>
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<td>D.O. - 1955</td>
<td>Chicago College of Osteopathy</td>
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<td>Kathryn Reiter</td>
<td>B.S. - 1979</td>
<td>Michigan State University</td>
<td>Assistant Professor of General Practice</td>
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<td>Ed.D. - 1989</td>
<td>Florida International University</td>
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<td>Sidney R. Rente, Jr.</td>
<td>B.A. - 1951</td>
<td>Albion College</td>
<td>Clinical Professor of Radiology</td>
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<td>Eric Rentz</td>
<td>B.S. - 1979</td>
<td>University of Iowa</td>
<td>Associate Professor of Osteopathic Principles &amp; Practice</td>
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<td>Dwight Reynolds</td>
<td>B.S. - 1974</td>
<td>Michigan State University</td>
<td>Clinical Assistant Professor of Emergency Medicine</td>
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<td>Karen M.C. Rhodes</td>
<td>D.O. - 1982</td>
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<td>Clinical Instructor in General Practice</td>
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<td>Dana Richard</td>
<td>B.A. - 1979</td>
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<td>Donald W. Robertson</td>
<td>B.S. - 1977</td>
<td>Greensboro College</td>
<td>Instructor in Emergency Medicine</td>
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<td>P.A. - 1979</td>
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<td>Ann P. Rodriguez-Hutchinson</td>
<td>B.S. - 1981</td>
<td>City University of New York</td>
<td>Clinical Instructor in General Practice</td>
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<td>Richard Rosen</td>
<td>B.S. - 1971</td>
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<td>Instructor in General Practice</td>
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<td>Marc Rosenblatt</td>
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<td>Clinical Assistant Professor of General Practice</td>
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<td>Morton Rosenbluth</td>
<td>B.A. - 1943</td>
<td>New York University</td>
<td>Clinical Associate Professor of Community Medicine</td>
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Joseph Rosin  
**Clinical Assistant Professor of Internal Medicine**  
B.A. - 1970 - University of Wisconsin  
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**Clinical Assistant Professor of Ophthalmology**  
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Fellow, American College of Osteopathic Internists

Allen F. Schultz  
**Clinical Assistant Professor of Internal Medicine**  
B.A. - 1967 - Rutgers University  
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<td>David Simon</td>
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<td>Sharon Simpson</td>
<td>B.S.</td>
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<td>Ph.D.</td>
<td>1981</td>
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</table>

Assistant Professor of Dermatology
Clinical Assistant Professor of Internal Medicine
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Clinical Assistant Professor of General Practice
Instructor in Surgery
Clinical Assistant Professor of Internal Medicine

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D.M.D. - 1973 - University of Connecticut School of Dental Medicine
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## ACCREDITATION

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## ADMINISTRATION

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## ADMISSION REQUIREMENTS

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## AFFILIATED HOSPITALS

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## ANESTHESIOLOGY

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## AREA HEALTH EDUCATION CENTER (AHEC)

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From the Fort Lauderdale-Hollywood International Airport, take Interstate 95 South to the Miami Gardens Drive exit. Turn left (east) on Miami Gardens Drive. Continue east to N.E. 19th Avenue. Turn right (south) on N.E. 19th Avenue. Continue south to N.E. 167th Street. Turn right (west) to campus complex.

From the Miami International Airport, take Interstate 95 North to State Route 826 East. Continue east on State Route 826 which curves south and becomes N.E. 163rd Street. Continue east to N.E. 19th Avenue. Turn left (north) on to N.E. 163rd Street. Continue north over the canal bridge and turn left (west) at N.E. 167th Street.

NOTE: Only major arteries are depicted and distances are compressed.