TEXAS
COLLEGE OF
OSTEOPATHIC
MEDICINE

90/91 CATALOG

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ACCREDITATION

Texas College of Osteopathic Medicine is accredited by the Bureau of Professional Education of the American Osteopathic Association. The Bureau is recognized by the U.S. Office of Education and the Council on Post-Secondary Accreditation as the official accrediting agency for osteopathic medicine. TCOM is approved by the Texas Higher Education Coordinating Board and by the Texas State Board of Medical Examiners. TCOM maintains membership in the American Association of Colleges of Osteopathic Medicine and The Association of Academic Health Centers.

It is the policy of Texas College of Osteopathic Medicine not to discriminate on the basis of sex, color, religion, age, national origin, handicap, disabled veteran status or Vietnam Era status in its educational programs, activities, admissions or employment policies.

Texas College of Osteopathic Medicine is under the direction of the University of North Texas Board of Regents.

THE OSTEOPATHIC CONCEPT*

Osteopathic medicine is a philosophy of health care and a distinctive art, supported by expanding scientific knowledge. Its philosophy embraces the concept of the unity of the living organism's structure (anatomy) and function (physiology). Its art is the application of the philosophy in the practice of medicine and surgery in all its branches and specialties. Its science includes the behavioral, chemical, physical, spiritual and biological knowledge related to the establishment and maintenance of health as well as the prevention and alleviation of disease. Osteopathic concepts emphasize the following principles:

1. The human body is a unit in which structure function, mind and spirit are mutually and reciprocally interdependent.

2. The body, through a complex equilibrial system, tends to be self-regulatory and self-healing in the face of disease processes.

3. Adequate function of body systems depends upon the unimpeded circulatory mechanisms, nerve impulses and neurotrophic influences.

4. A rational treatment regimen is based on this philosophy and these principles.

**Statement adopted by the Department of Osteopathic Philosophy, Principles and Practice, February 1978, Texas College of Osteopathic Medicine. The Osteopathic Concept definition was updated in 1989 by the Educational Council on Osteopathic Principles.*

THE OSTEOPATHIC OATH

I do hereby affirm my loyalty to the profession I am about to enter. I will be mindful always of my great responsibility to preserve the health and the life of my patients, to retain their confidence and respect both as a physician and a friend who will guard their secrets with scrupulous honor and fidelity, to perform faithfully my professional duties, to employ only those recognized methods of treatment consistent with good judgment and with my skill and ability, keeping in mind always nature's laws and the body's inherent capacity for recovery.

I will be ever vigilant in aiding the general welfare of the community, sustaining its laws and institutions, not engaging in those practices which will in any way bring shame or discredit upon myself or my profession. I will give no drugs for deadly purposes to any person, though it be asked of me.

I will endeavor to work in accord with my colleagues in a spirit of progressive cooperation, and never by word or by act cast imputations upon them or their rightful practices.

I will look with respect and esteem upon all those who have taught me my art. To my college I will be loyal and strive always for its best interests and for the interests of the students who will come after me. I will ever be alert to further the application of basic biologic truths to the healing arts and to develop the principles of osteopathic medicine as taught by my profession.

In the presence of this gathering I bind myself to this oath.

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Information is current as of July 1, 1990

ACADEMIC CALENDAR 1990-91

Fall Semester 1990
August 6-9
Orientation for Year I students

August 10
Registration for Year I and Year II students

August 13
First day of fall classes for Year I and Year II students

August 17
Last day to register for Year I and Year II classes

September 3/Labor Day holiday

September 7
Last day to withdraw with partial refund of tuition

September 21/Convocation

October 18-19
Administration of Parts I and II of National Board Exam

October 26
Last day of fall classes for Year III students

October 26
Fall semester grades for Year III students due to registrar

October 29
First day of clerkships for Year III students

November 22-23/Thanksgiving Holiday

December 14
Last day of fall classes for Year II students

December 21
Fall semester grades for Year II due to registrar

December 24-January 1, 1991
Faculty, Staff and Student Holiday

Spring Semester 1991

January 2
First day of spring classes for year II students

Fall classes resume for Year I students

January 18
Last day of fall classes for Year I students

January 21
First day of spring classes for Year I students

Comprehensive examination for Year IV students

January 28
Fall semester grades for Year I students due to registrar

February 18-19, 21-22
Two Administrations of Part III of National Board Exam

March 14-15
Administration of Part II of National Board Exam

March 18-22
Spring Break

May 13
First day of the Eighth Semester Program for Year IV students

May 24
Last day of classes for Year IV students

May 27/ Memorial Day Holiday

May 31
Last day of spring classes for Year I and Year II students

May 31
Senior Awards Banquet

June 1
Commencement

June 3
Administration of Part III of National Board Exam

June 13-14
Administration of Part I of National Board Exam

June 7
Spring grade reports for Year I and Year II students due to registrar

1 THE COLLEGE

MISSION

Texas College of Osteopathic Medicine is committed to a curriculum based on the promotion of health. In 1980 the college adopted a statement of educational goals that outlined a plan for changing the emphasis in education of future physicians from "defensive" treatment of disease to "offensive" promotion of health. While recognizing its obligation to train student physicians to attack existing disease in the traditional manner, the college concentrates equally on preparing future physicians to promote health and wellness among their patients.

Such an educational program allows TCOM to serve the health needs of several populations within its reach as it not only advances traditional medical knowledge but also explores new directions in health care.

GROWTH AND FACILITIES

Texas College of Osteopathic Medicine was conceived in 1961 by a group of Texas D.O.s who saw a need in the state for a college of medicine that emphasized primary health care. In 1966 a charter was granted to TCOM, and in 1970 the first 20 students began their studies in temporary quarters at Fort Worth Osteopathic Hospital (now the Osteopathic Medical Center of Texas). The college expanded and moved to larger, but still temporary, quarters in August 1971. As it grew, TCOM contracted with North Texas State University in Denton (now the University of North Texas) for the teaching of the basic sciences. In 1975, by legislative act, TCOM became a state institution under the direction of NTSU's Board of Regents.

The first step in the campus master plan was completed in 1978 when TCOM opened the eight-story Medical Education Building 1, designed to accommodate clinical science departments, clinics and administrative offices. Medical Education Building 2, a five-story facility housing basic science departments, laboratories and classrooms, opened in the fall of 1982. The four-story Medical Education Building 3, which opened in early 1987, contains the Health Sciences Library, biomedical communications departments and computing facilities. Also on campus are several clinics, the Activity Center and Campus Police. Adjacent to campus is the Osteopathic Medical Center of Texas, TCOM's primary teaching hospital.

THE COMMUNITY

TCOM's campus is a prominent, 16-acre medical care complex in the heart of Fort Worth, and is part of the city's popular cultural district. Fort Worth is the seat of Tarrant County, which has a population of more than one million. There are 29 colleges and universities within 50 miles of Fort Worth, with a total enrollment of more than 165,000. Often called Cowtown because of its important role in the history of the cattle industry, Fort Worth has maintained the relaxed pace of Western living and hospitality even as it has been a major contributor to the industrial, cultural and educational advancement of North Texas. Fort Worth was nationally recognized for its character and livability in January 1989 when Newsweek magazine named it one of the 10 top midsized cities in the United States.

CLINICS AND TEACHING HOSPITALS

TCOM operates six general and family clinics and 18 specialty clinics. Student physicians in these clinics are directly supervised by fully licensed osteopathic physicians trained in the appropriate areas.

The following clinics are under the administration of the Department of General and Family Practice:

Carswell Air Force Base CHAMPUS Clinic
Carswell Air Force Base
Building 3109, Clinic A
Fort Worth, Texas
Stephen F. Urban, D.O., Director

Central Family Practice Clinic
3500 Camp Bowie Boulevard
Fort Worth, Texas
Constance Jenkins, D.O., Director

Godley Family Practice Clinic
117 Main Street
Godley, Texas
William H. Clark Jr., D.O., Director

Justin Family Practice Clinic
310 E. Second Street
Justin, Texas
Carol Browne, D.O., Director

Northside Family Practice Clinic
1851 Harrington
Fort Worth, Texas
Frank Falbey, D.O., Director

Southside Family Practice Clinic
1025 S. Jennings
Fort Worth, Texas
Donald Peterson, D.O.
John Carter, D.O.
Co-Directors

Specialty clinics operated by other TCOM academic departments include:

DNA/Identity Laboratory

Geriatric Assessment and Planning

Health and Human Fitness Clinic

Hyperbaric Oxygen Treatment Center

Internal Medicine Clinic

Internal Medicine at Carswell Air Force Base

Internal Medicine Nephrology Division

Obstetrical and Gynecological Consultants

Osteopathic Manipulative Medicine Clinic

Pathology

Psychiatry and Human Behavior Clinic

Psychiatry and Human Behavior at Carswell Air Force Base

Preventive Medicine

Rehabilitation/Sports Medicine Clinic

Surgery Clinic at Carswell Air Force Base

Surgical Associates of Fort Worth

Toxicology

Westside Pediatric Consultants

Thirteen Texas hospitals serve as teaching hospitals for TCOM and provide about 2,500 patient-care beds. They are:

Osteopathic Medical Center of Texas
Fort Worth, Texas
Gary Earp. D.O,
Director of Medical Education

Robert S. Thompson Strategic Hospital
Carswell Air Force Base, Texas
Lt. Col. John S. Nall, M.D.
Director of Medical Education

Doctors Hospital of Corpus Christi
Corpus Christi, Texas
Mel S. Eliades, D.O.
Director of Clinical Clerk Education

Dallas Family Hospital
Dallas, Texas
P.T. Sullivan, D.O.
Director of Medical Education

Dallas/Fort Worth Medical Center
Grand Prairie, Texas
Otto Puempel, D.O.
Director of Medical Education

Dallas Memorial Hospital
Dallas, Texas
John Wilson, D.O.
Director of Clinical Clerk Education

Darnall Army Community Hospital
Fort Hood, Texas

Northeast Community Hospital
Bedford, Texas
Russell Martz, D.O.
Director of Medical Education

Psychiatric Institute of Fort Worth
Fort Worth, Texas

Sam Rayburn Memorial Veteran's Center
Bonham, Texas
Kirit Shah, M.D.
Chief of Staff

The University of Texas Health Center at Tyler
Tyler, Texas
Wilber G. Avery, M.D.
Director of Medical Education

Tri City Health Centre
Dallas, Texas
Mary Burnett, D.O.
Director of Medical Education

William Beaumont Army Medical Center
El Paso, Texas

SUPPORT SERVICES

Medical Education

The Office of Medical Education exists primarily to organize and provide certain educational support services throughout TCOM. The office supports curriculum and instructional activities within the academic program. The general goals are to stimulate concern for sound educational practices and to assist in implementing those practices that are endorsed by the administration and faculty.

Specific activities include curriculum support and implementation, computer-assisted instruction, instructional design and development, audio-visual production and distribution, library and learning facilities operation and faculty development.

Divisions of the Office of Medical Education include Biomedical Communications and the Health Sciences Library.

Health Sciences Library

TCOM's Health Sciences Library supports the education, patient-care, research and community-service functions of the college by meeting the information needs of faculty, students, staff and the local health sciences community.

The library provides large collections of print and non-print materials in the basic and clinical health sciences. Library collections include more than 108,000 bound volumes and more than 2,200 biomedical journal titles.

The library's Special Collections includes more than 1,600 volumes, with primary emphasis on osteopathic medicine and 19th century American medicine. Also included is an oral history collection of recorded interviews with individuals who have either witnessed or participated in the development of TCOM and the osteopathic profession in Texas.

The Learning Resource Center houses an audio-visual software collection of some 4,000 programs, computer software and 90 anatomic models. Rooms and carrels are also equipped with video playback and slide-tape equipment for both large and small group viewing.

The LRC houses a Microcomputer Teaching Laboratory used in the college's computer literacy program. The lab contains 24 user stations (Macintosh II and IBM PC), an instructor station and a variety of printers.

The library provides access through interlibrary loan to the collections of 25 members of HEALTHLINE, a local consortium of libraries, to the collections of 14 other medical school libraries that are members of the South Central Academic Medical Libraries Consortium, and to the services and resources of the five-state Regional Medical Library Program (including Texas, Arkansas, Louisiana, Oklahoma and New Mexico) and its national counterpart, the National Library of Medicine in Bethesda, Md.

Traditional reference services as well as the latest in on-line information services are provided to TCOM faculty, staff and students through MEDLINE and more than 200 other databases and files. The library is totally automated having installed the Library Information System (LIS) developed by Georgetown University Medical Center. The system provides access to library collections, as well as to information in some 400 major journals, through its own MiniMedline database (a subset of the NLM Medline database).

Library services, including free document delivery, are provided for third- and fourth-year students on rotation in local clinics and hospitals through the Extramural Services Program. Twenty rotation sites are equipped with telefacsimile units that give student physicians access to the library's computer searches and/or articles within minutes.

The library moved into Medical Education Building 3 in December 1986. The 110,000-square-foot building was funded by state appropriations of $10.8 million to house the library, biomedical communications and campus computer facilities. The library occupies about 65,000 square feet on the top three floors of the four-story facility, and can accommodate more than 200,000 volumes and more than 500 users.

Biomedical Communications

The Biomedical Communications Department is an educational-service unit that supports development and implementation of the college curriculum. Composed of medical arts/photography, audio-visual/television and electronic engineering, the department's primary functions are the design and production of various forms of learning materials and the repair of equipment used by faculty and students.

Videotaping of procedures, patients or lectures, as well as production of specialized educational or promotional programs, is available both in the studio and on location. Classroom playback of instructional videos, set-up of audio-visual equipment for classroom use, student equipment check-out, maintenance of biomedical, computer

and electronic equipment, and audio-visual systems design are additional services offered by the department.

Medical arts personnel create charts, graphs, illustrations, posters, brochures, newsletters and magazines for the various educational, research and community-service endeavors of the college. Medical photographers provide the prints and slides to complete these instructional and promotional materials, as well as on-site photography of patients, procedures and important college events.

Computing and Telecommunication Services

The Computing and Telecommunication Services Department serves the TCOM community in five major areas: Evaluation Services, Computer Systems Analysis and Programming Services, Computer Network Services, Computer User Support Services and Telecommunication Services.

Evaluation Services provides scoring of didactic and clerkship examinations, the evaluation of courses and instructors, the administration of the Senior Comprehensive Examination and the prediction of FLEX scores for the senior class. This unit also provides statistical consultation, analysis and reporting for a variety of academic and administrative applications.

Computer Systems Analysis and Programming Services develops systems and programs for fiscal and academic administrative areas of TCOM. It also designs and develops systems that integrate management information from units, both internal and external to the college, into a common database and generates management reports of various types.

Computer Network Services is responsible for the design, installation and maintenance of academic and administrative local-area networks (LANs) on campus. Computer users connected to a LAN can access a variety of software, as well as exchange data and electronic mail with users across campus and elsewhere. A mirco-wave connection is maintained to computers at the University of North Texas.

Computer User Support Services provides data entry, report generation and printing services to several administrative departments. Consulting and user assistance is provided to computer users on campus for hardware and software use, communications, printing and planning computer purchases. Based on need, introductory and advanced training classes are provided regularly.

Telecommunication Services operates and maintains the campus-wide telephone system. It strives to keep equipment updated in order to meet the college's varied communication requirements.

Continuing Medical Education

The Office of Continuing Medical Education is the leader in continuing education programming for osteopathic physicians licensed to practice in Texas. An extensive calendar of seminars on current medical topics serves practitioners throughout the state, in both rural and urban areas.

A CME-accredited audiovisual lending library, tailored to the needs of the osteopathic physician, also is available. To determine future continuing education requirements of the osteopathic medical profession in Texas, the office conducts a

comprehensive needs-assessment program annually.

Research

Research in progress by TCOM faculty encompasses a wide variety of biomedical topics and interdisciplinary programs between the basic and clinical faculty, as well as between TCOM scientists and those at the University of North Texas.

Studies include the cause and control of disease; nutrition; immunology; toxicology; the biochemical, environmental and physiological aspects of aging; cardiovascular physiology; human metabolism and mechanisms of chemotherapy; drug interactions; chemical carcinogens; behavioral pharmacology; human fitness; and other areas.

Financial support for most of these individual research projects involve grants from the American Heart Association, National Institutes of Health, Robert A. Welch Foundation, World Health Organization, National Aeronautics and Space Administration, American Osteopathic Association, and other public and private sources. In addition, state appropriations cover some organized research support that is distributed to individual faculty members on a competitive basis by an internal faculty research committee. Faculty members also have been recipients of Texas Advanced Research and Technology Program awards.

Modern research instrumentation is available to the faculty in Fort Worth and in Denton through UNT. Auxiliary services include a biomedical instrument repair division, animal-care facilities and a medical library that offers a variety of computer-search services.

TCOM's basic science faculty members and specialized research laboratories are housed in Medical Education Buildings 1 and 2. The 10,000-square-foot vivarium, supervised by a full-time veterinarian, contains diagnostic laboratories, procedure room, surgical suite and X-ray equipment.

Center for Osteopathic Research and Education

The Center for Osteopathic Research and Education was established in 1982 to oversee the inclusion of the osteopathic philosophy into all instructional and research aspects of the college.

Specifically, CORE's responsibilities include converting the teaching of osteopathic theory into a college-wide process; improving the understanding of osteopathic medicine by all college personnel; establishing standards in osteopathic philosophy, theory and practice for graduation; developing instructional materials appropriate to the teaching program; encouraging research related to osteopathic concepts; developing programs of continuing education in osteopathic philosophy, theory and methods; setting criteria for selecting faculty members capable of administering the envisioned programs; and setting criteria for selecting students capable of responding to such programs.

2 ADMISSIONS AND FINANCIAL AID

ADMISSION REQUIREMENTS

To be considered for admission to Texas College of Osteopathic Medicine a candidate must meet the following prerequisites:

• **The Medical College Admission Test (MCAT)** is required of all applicants and performance on the MCAT is regarded as an important factor in the selection decision. The MCAT must have been taken no earlier than three years before application and no later than the fall of the year preceding that for which application is made. The spring MCAT test is preferred over the fall test, as the scores from the fall test may delay completion of an application. Later test scores may be considered at the discretion of the Admissions Committee. A new and substantially different version of the MCAT will be administered for the first time in April 1991. Please consult your advisor or the TCOM Office of Admissions for more information.

• **90 semester hours (or the equivalent number of quarter hours) at an accredited college or university.** Most applicants have earned the bachelor's degree by the time they matriculate in medical school.

• **One academic year or its equivalent in English, psychological-social-behavioral sciences, physics, biology, general chemistry and organic chemistry.** It is expected that laboratory work will be included in the courses in biology, chemistry and physics, and that expository writing will be included in English courses. Additional course work in basic sciences, humanities and behavioral sciences is encouraged. The following courses are considered advantages for success in the medical school curriculum, and students are encouraged to select courses drawn from the following: comparative anatomy, physiology, microbiology, biochemistry, genetics and embryology.The processing of an application will be delayed if MCAT scores or grades from required courses in process are not included in the original application.

• **Overall GPA and overall GPA in preprofessional science courses of 3.0 on a 4.0 scale at the time of application.***

Grades for courses in other professional fields, recreational courses and vocational courses will not be considered in determining the overall grade point average.

* *All applicants are reviewed on an individual basis. The college reserves the option to waive one minimum academic requirement provided the applicant demonstrates superior performance in the majority of the remaining academic requirements. Consideration will not be given to an applicant presenting with less than a cumulative GPA of 2.5 on a 4.0 scale, either overall or in preprofessional science courses.*

Applicants who have previously attended a professional school (medicine, law, dentistry, etc.) must have left that institution in good standing to be eligible for consideration by the Admissions Committee.

APPLICATION PROCEDURES

Texas College of Osteopathic Medicine is a participant in the American Association of Colleges of Osteopathic Medicine Application Service (AACOMAS).

Applicants using AACOMAS should be applying for the first year of study leading to the D.O. degree. Students

applying for transfer should request application information from the TCOM Office of Admissions. (See Procedures for Transfer elsewhere in this catalog.)

The following guidelines should be followed:

1. Applications can be submitted to AACOMAS beginning **July 1, 1990. The AACOMAS deadline for applications for the 1991 entering class is March 1, 1991.** Early applications are more effective than late ones, even if late applications meet the stated deadline.

The Office of Admissions urges all applicants to submit their applications as early as possible. If the entering class of 1991 is not filled by the close of applications to AACOMAS, direct applications will be accepted by TCOM up to the start of student orientation in August.

2. AACOMAS application request cards may be obtained from the TCOM Office of Admissions or from a health professions advisor. An applicant should mail the card to AACOMAS for the application and return the completed application to AACOMAS. Official transcripts from each college and university should be sent to AACOMAS. Please do not send applications and transcripts to TCOM if application is made **before** the March 1 deadline for receipt of these materials by AACOMAS.

3. Applicants should request that their MCAT scores be sent to those schools to which they are applying, using code 600, which designates all participating osteopathic medical colleges.

4. A limited number of application fee waivers, designed to assist applicants with financial hardships, are available from AACOMAS for applicants to the 1991 entering class. For information on the fee waiver, see the AACOMAS Instruction Booklet or contact the AACOMAS office.

Any accepted applicant may **defer matriculation** for one academic year only. A request should be addressed to the vice president for academic affairs and dean specifying the reasons for the request. All deferred applicants must reapply the following year.

For each applicant, there will be an initial review of MCAT scores, the AACOMAS application and the supplemental application. After reviewing these materials, a decision will be made whether or not to interview the applicant. If an applicant is invited for interviews, the following letters will be requested:

1. Letter of evaluation from a premedical/health professions advisory committee plus one more letter from a faculty member who knows the applicant well. If the applicant does not have a committee, three letters of evaluation are required, two of which should be from faculty members who know the applicant well.

2. Letter of evaluation from the applicant's most recent employer or from another person who knows the applicant well. Letters from relatives are unacceptable.

If the applicant has worked extensively during college or is applying several years after college, three letters from employers and supervisors are appropriate in lieu of faculty letters. Please consult the Office of Admissions about this situation.

Applicants who are not invited for interviews will be withdrawn from further consideration.

EARLY DECISION PLAN

In addition to processing an application as described, TCOM has an additional route of application, the Early Decision Plan (EDP). Applicants can take advantage of the EDP if application is only to TCOM.

Applicants who are interested in the EDP should submit their application to AACOMAS as soon as possible after July 1. The TCOM Office of Admissions must receive all application materials no later than Sept. 1. This will permit a review of an applicant's credentials and a decision by the Admissions Committee about whether or not to request interviews for the EDP applicant.

All decisions on EDP applicants will be made by Nov. 1. If an applicant is accepted under EDP, the applicant is obliged to accept the offer. EDP acceptances who violate these terms are considered to have committed an irregularity, and other schools to which they apply are informed. If the applicant is not accepted under the EDP, the applicant is free to apply to other schools after being informed of the decision.

For well-qualified candidates who have a preference for TCOM and desire an early decision, the EDP is an advantage. If unsuccessful, the applicant has sufficient time to apply to other AACOMAS and non-AACOMAS schools.

UNT/TCOM SEVEN-YEAR PROGRAM

TCOM and the University of North Texas offer a cooperative baccalaureate/osteopathic physician program wherein UNT students can earn their undergraduate and D.O. degrees in seven years instead of the usual eight. Qualified students earn a bachelor's degree in either biology, chemistry or biochemistry after completing three years at UNT and the freshman year at TCOM. Then, after three years in the TCOM curriculum and successful completion of graduation requirements, the students earn their Doctor of Osteopathy degrees. For entrance requirements and more information, contact the TCOM Office of Admissions.

SELECTION FACTORS

As a state-supported medical school, TCOM is required to admit 90 Texas residents for each entering class of 100 students. There is strong competition for the 10 non-resident positions in each entering class. All applicants must be U.S. citizens or permanent residents in order to be considered.

TCOM's Admissions Committee is looking for candidates who demonstrate the greatest promise of becoming osteopathic physicians who will serve as primary care physicians, caring for those individuals who are in the greatest need of health care. Evidence of personal integrity, maturity, creativity, motivation for medicine, the ability to work cooperatively with others and a sense of dedication in service to others are factors that will be evaluated by the committee. These qualities and attitudes will be evaluated by several means, including letters of evaluation, the scope and nature of extracurricular activities, the breadth of undergraduate education and personal interviews. The committee will look at all aspects of the applicant's entire academic record, including trends in scholastic performance. The committee also considers an applicant's personal experiences, job history, if applicable, and the motivation to become an osteopathic physician.

The Admissions Committee

recommends candidates to the vice president for academic affairs and dean of the college, who makes the final admissions decisions. An interviewed candidate can be accepted, rejected or placed on a waiting or alternate list.

There is no prejudice for or against any applicant who reapplies. These applicants are encouraged to identify any liabilities and rectify them before reapplying through AACOMAS. Applicants who are not accepted have the opportunity to review the application with an admissions officer to try to pinpoint the reason(s) for the action.

PHYSICAL EXAMINATION

Physical examination forms are sent to all accepted applicants. The form should be completed by the applicant's physician or, if the applicant chooses, the physical examination may be performed by a physician at TCOM's Central Family Practice Clinic in Medical Education Building 1. There is no fee, except costs of laboratory tests as needed.

TCOM is committed to the policy that all applicants will be considered without regard to age, race, creed, sex, national origin, veteran's status or handicap.

MINORITY STUDENTS

TCOM actively recruits qualified minorities. Once admitted, competitive students are eligible for a number of attractive financial aid packages, including scholarships, loans, grants and other assistance. An experienced support staff also is available to assist students in completing the curriculum. In addition, several campus organizations are oriented toward minority and other underrepresented students. Further information may be obtained from both the admissions and financial aid offices.

TEXAS RESIDENCY

The rules and regulations for determining residency status are set forth by the Texas Higher Education Coordinating Board. Questions regarding these requirements should be referred to the TCOM's Office of Admissions or Office of the Registrar.

An alien living in the United States under a visa permitting permanent residence, or one who has filed with the proper federal authorities a declaration of intention to become a citizen, has the same privilege of qualifying for Texas residency status for tuition purposes as has a citizen of the United States.

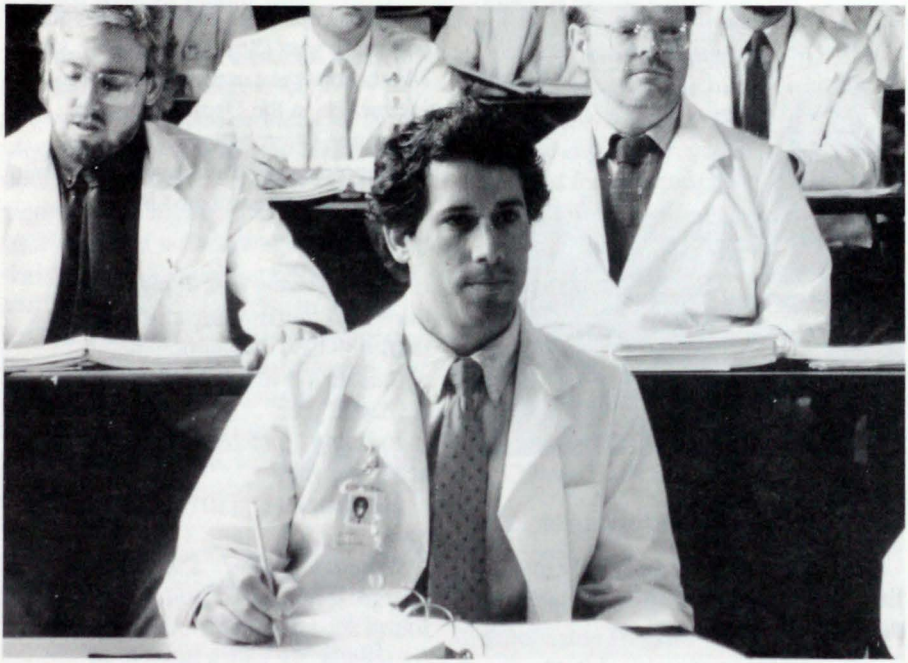
PROCEDURES FOR TRANSFER

Applicants for transfer must meet TCOM's requirements for admission and be in good standing at their current institution.

An applicant for transfer must present the following:

1. An application for transfer (TCOM Supplemental Application);
2. A residency questionnaire;
3. A written recommendation from the dean of the institution from which the transfer is requested;
4. A copy of MCAT scores;
5. An official academic transcript of the institution from which the transfer is requested;
6. Official transcripts from all previously attended colleges and universities;
7. Course syllabus of courses taken at the institution from which the transfer is requested.

An interview with the vice president for academic affairs and dean, and two members of the admissions interview team are required.



FISCAL POLICIES

TCOM is a state-supported institution subject to state laws. However, students have an option to pay tuition and fees by installment. All other financial obligations to the college must be paid in advance. Fees are subject to change by the Board of Regents, the Texas Legislature or legal rulings of the Texas attorney general.

Tuition

In-state resident tuition for 1990-91 is $5,463.

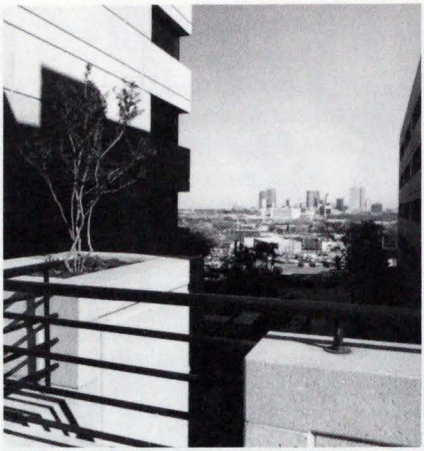
Tuition for out-of-state residents and foreign students for 1990-91 is $21,852.

Expenses

Estimated expenses for 1990-91 for nine months for a single student are $17,910, including in-state tuition, fees, books, supplies, room and board, transportation and personal expenses.

Health Insurance

To safeguard against the cost of illness, injury and other medical expenses, all students are expected to provide for their own health-care coverage while attending TCOM. Students who have not provided for this coverage at the time of registration may choose to participate in a plan arranged through the Office of Student Affairs. The enrollment period is during fall registration.



Fees and Other Charges

The following fees apply only to first- and second-year students during the 1990-91 academic year:

Student Service Fee: $155 per academic year (includes cholesterol screening fee for Year I students).

Building Use Fee: $180 per academic year.

Medical Malpractice Fee: $25 per academic year.

Activity Center Fee: $50 per academic year.

Medical Service Fee: $25 per academic year.

Property Damage Fee: $10 one-time charge. Each student pays the deposit, which is refundable by request upon final withdrawal or graduation. If not claimed within four years after last enrollment date, the deposit is forfeited.

Student Identification Card: $5.

Laboratory Fee: $25 per academic year.

Microscope Fee: $50 per nine-month academic year (September 1-May 31). Microscopes are used for laboratory instruction in the Departments of Anatomy, Microbiology and Immunology and Pathology, according to procedures established by the departments.

The following fees apply only to third- and fourth-year students during the 1990-1991 academic year:

Student Service Fee: $125 per academic year.

Building Use Fee: $180 per academic year.

Handout Fee: $30 (Year III students only).

Graduation Fees: $30 one-time charge, levied at the beginning of the fourth academic year. Arrangements for regalia, for which there is an additional fee, will be made through the college.

The following fees also are in effect during the 1990-91 academic year:

ID Card Replacement Fee: $10.

Late Registration Fee: first day, $5; second day, $7.50; third day, $10; fourth day, $12.50; fifth day, $15; sixth day, $15.

Transcript Fee: $2 per copy. The first TCOM transcript is free.

Photocopy Fee for Diploma: $6 per copy.

Returned Check Service Charge: Any check returned to the college must be redeemed by the person writing the check. A service charge of $5 must be paid.

Special Examinations: These are based on the charge of the examining body or agency at the time of the examination.

Tuition Refund Policy

A tuition refund is based on the date of withdrawal. A request for withdrawal must be submitted to the vice president for academic affairs and dean, and a withdrawal form must be signed by the registrar. Upon official notification of withdrawal by the registrar, the Accounting Office will mail the appropriate refund to the student's forwarding address and/or to the applicable federal loan program. (See other withdrawal information elsewhere in this catalog.)

Payment plan fees, handout fees, late fees and ID card fees are not refundable.

By action of the Board of Regents, no part of the fees or tuition can be refunded to students who withdraw, for any cause, after the twentieth day of each semester. The schedule for refunds under the regulations is 80 percent first week, 70 percent second week, 50 percent third week and 25

STUDENT FINANCIAL AID

Texas College of Osteopathic Medicine offers a number of scholarship and loan programs to assist students in meeting the costs of financing a medical education. Though financial aid is an alternative for most students, it should be considered a supplement to a student's own financial resources.

A student may apply for financial aid by completing the Financial Aid Form (FAF) from College Scholarship Service (CSS) or other approved needs-analysis form. This should be done immediately upon acceptance to TCOM and yearly thereafter.

Federal Programs

Students that complete the FAF, show financial need as determined by the needs-analysis service and meet all general eligibility requirements as outlined for each program may apply for federal financial aid. In addition, most aid programs require that the recipient adhere to academic and/or financial criteria in order to maintain eligibility. Some programs have limited funds; therefore, student files that are completed first are considered first. Major Federal programs available include:

- College Work Study Program
- Disadvantaged Health Professions Program
- Exceptional Financial Need Scholarship Program
- Health Education Assistance Loan Program (HEAL)
- Health Professions Student Loan Program (HPSL)
- Perkins Loan Program
- Stafford Student Loan Program
- Supplemental Loans for Students (SLS)

Students interested in the armed forces programs should contact their local recruiter or a recruiter in the Metroplex.

In addition, students may apply through TCOM's Financial Aid Office for various state, institutional and private scholarship/loan programs. Students may also apply directly to private foundations for scholarships and loans. Several programs have individual selection criteria and various award limits. For a complete listing contact the Financial Aid Office.

3 SCHOLASTIC REGULATIONS

STUDENT RESPONSIBILITIES

Each student enrolled in the college is individually responsible for knowing current scholastic regulations, the general and specific requirements, and the operational policies that apply to registration and instruction.

Scholastic Regulations

This catalog contains the official scholastic regulations of the college. Academic policies and scholastic regulations also are presented in the Student Handbook and other official documents of the college.

A student who completes the curriculum in four consecutive years is required to meet the graduation requirements listed in the catalog of entry and/or any subsequent or additional program requirements. In the event of an extension beyond the four years, The student must meet the requirements for the class with whom the individual graduates.

The college reserves the right to amend or add to the scholastic regulations at any time during the enrollment period provided that such changes or additions are intended to improve the quality of medical education in the college, and are introduced in a fair and deliberate manner with appropriate notice provided to all students affected by the changes.

A student who is required to repeat an academic year will meet all graduation requirements listed in the catalog in effect for the class with whom the individual graduates.

A student who is required to repeat or remediate courses may be subject to certain scholastic regulations other than those established for the student class with which the individual entered the college, as determined by the vice president for academic affairs and dean.

The academic record of any student who has been dismissed and reapplies will be a part of the materials reviewed for readmission. If allowed to reapply, the student will not have to apply through AACOMAS, but must go through the entire TCOM admissions process.

Course Syllabus

The course syllabus contains specific educational requirements — assignments, evaluation, grading and other conditions of performance — that must be satisfactorily completed in order to receive a passing grade. Modifications to the requirements and procedures of a course may be made when judged necessary to improve instruction or to conform to scholastic regulations of the college.

Attendance

Attendance is expected of students at all lectures. One hundred percent attendance is required at all laboratories and clinical experiences.

There are limited excused absences with permission of the vice president for academic affairs and dean. It is recognized that there may be isolated instances when an individual must be absent; however, the student who misses a class is not excused from the subject materials presented during the lecture or laboratory period.

No makeup laboratories will be conducted. In the rare event of absence from an examination, written permission to take a makeup examination must be obtained first from

the department chairman and then the associate dean for basic sciences or associate dean for primary care or specialty medicine. It is essential that each student make every effort not to miss any examination.

Students may receive excused absences for certain college-related activities. No absences will be excused without written approval, in advance, from the vice president for academic affairs and dean.

As professionals, students are expected to adhere to this attendance policy with diligence.

Any exception to this policy may be made only with the approval of the vice president for academic affairs and dean.

Participation in Special Environments

Medical education occurs in a special environment in which all students will participate in order to satisfactorily complete the course of instruction. Classrooms, laboratories and clinical facilities require physical, chemical, social and interpersonal environments in which each student must participate in order to accomplish the educational requirements established for all courses. Failure to participate in required academic classes will result in consideration for dismissal from the college.

REGISTRATION

Registration is conducted annually in summer at TCOM for the first-, second- and third-year students. Fourth-year students register by mail.

Registration consists of paying tuition and fees and completing registration forms for the Office of the Registrar, Financial Aid Office and Office of Student Affairs

Student may register for and attend only those courses and clinical rotations listed on their official academic schedules of classes, as approved by the vice president for academic affairs and dean. Students may not be enrolled in two or more courses meeting at the same time.

Only students properly enrolled by the registrar may attend classes. Any examinations or other materials completed by an individual who is not officially enrolled will be destroyed. No record will be kept of examinations or other academic work done by individuals whose enrollment in a course has not been authorized by the registrar. Examinations or other course materials completed by a dismissed student who is attending classes while under an official appeal will not be scored and will be retained by the registrar pending outcome of the appeal.

Late fees are assessed for each day following the designated date of registration. A check returned because of insufficient funds will incur a penalty and also may result in a charge for late registration. (See Fiscal Policies for more information.)

RECORDS

Transcripts

The term academic transcript refers to a copy of the official permanent record of a student's approved academic course work, including academic marks, scholarship and degrees. At the student's request, a class rank may be shown on the transcript. To obtain an official academic transcript, a signed and dated Release of Information Form must be completed by the student and filed with the registrar. Any transcript

provided directly to a student must be regarded as unofficial. The transcript must be mailed directly from the Office of the Registrar to the receiving institution in order to be regarded as an official academic record.

Students may obtain copies of their transcripts by submitting written requests to the Office of the Registrar. The first copy of the TCOM transcript is free. A $2 fee is charged thereafter for each official transcript. A $1 fee is charged for each copy of an undergraduate transcript in a student's file.

Acts of the 61st Texas Legislature, Chapter 675, 1969 Regular Session, provide legal penalties for any alteration of academic records or transcripts with the intent to use such a document fraudulently. A person who violates this act or who aids another in violating this act is guilty of a misdemeanor and upon conviction is punishable by a fine of not more than $1,000 and/or confinement in the county jail for a period not to exceed one year.

Accessibility of Student Records

The Family Educational Rights and Privacy Act of 1974, also known as the Buckley Amendment, grants students in institutions of higher education the right of access to their educational records. It grants students the right to inspect their educational records, with the exception of confidential letters and statements of recommendation that the student has waived the right to inspect.

Before disclosing any personally identifiable information, TCOM must obtain written consent from the student.

The Family Educational Rights and Privacy Act considers certain information to be "directory information" and subject to disclosure without prior consent from the student. Directory information relating to students includes the following: the student's name, address, telephone listing, date and place of birth, hometown, major field of study, participation in officially recognized activities and sports (including weight and height of members of athletic teams), classification, degrees and awards received, the most recent educational agency or institution attended by the student and the dates of attendance.

Students who desire that all or part of their directory information not be released must submit a written request to the Office of the Registrar during the first 12 days of the fall semester. Forms for submitting the written request to withhold directory information are available in the student's fall registration packet and in the Office of the Registrar.

Grades and other academic evaluations will be made available to the vice president for academic affairs and dean and to other college personnel as the vice president for academic affairs and dean may direct so as to carry out administrative and academic responsibilities of the college

TCOM will notify students in writing of the academic offices in which their educational records are maintained at fall registration each year.

GRADES

Numerical Course Grades

The grading standard for all TCOM courses will be a numerical system ranging from 0 to 100, with 70 as the lowest passing grade. A grade of 69 or less is defined as a failing grade. Numerical course grades will be

rounded off to the nearest whole number (e.g., 69.1 to 69.4 will be recorded as a 69; 69.5 to 69.9 will be recorded as a 70.)

For purposes of promotion and graduation, a cumulative weighted average of 70 or better is required. The weighted average for a block or semester is determined by dividing the total number of grade points earned by the total number of hours attempted, excluding courses in which a "CR" grade is achieved.

Grade points for a course are the product of the number of hours for that course and the numerical grade received. If the numerical grade is below 70 (69 or less), the earned grade points will be given for that course. The cumulative weighted average is obtained by dividing the total number of grade points earned in all courses by the total hours of all courses attempted. (See Remedied Grades.)

Grade Symbols and Designations

W: Withdrawal in good academic standing or Withdrawal not in good academic standing. **WP:** Withdrawal passing. **WF**: Withdrawal failing.
NC: No credit. **CR:** Credit.
I: Incomplete. **AUD**: Audit.

Recording Grades

No grade except an "I" (Incomplete) shall be removed from a student's official permanent record once properly recorded, except in the case of inaccurate reporting or recording. It is assumed that faculty members exercise their best judgment in formulating grades. Changes are not permitted after grades have been filed with the registrar, except to correct clerical errors. A request for error correction must be initiated within 30 days after the close of the semester or term for which the grade was awarded. Requests for correction after 30 days require approval of the vice president for academic affairs and dean.

Appropriate payment of tuition and fees must be made in order for final course grades to be entered in the student's official permanent record. Grades assigned during a period of instruction for which there are unpaid tuition and fees will be made available by the registrar for official college purposes, such as the review of academic performance. However, those grades will not be entered on the student's official permanent record or released on an academic transcript until appropriate payment is received by the college.

Incomplete Grades

At the end of a course a grade of "I" (Incomplete) will be assigned only when a student has not completed all academic requirements and assignments in the course, including regular examinations. A student may not advance to the next academic year until all failures and incomplete ("I") grades are removed. A student will not be promoted to clinical rotations with an incomplete grade without prior approval of the vice president for academic affairs and dean.

Semester Grades

Grades are reported to the Office of the Registrar within seven working days of the conclusion of a course.

Grades are mailed to students at the end of each semester. The semester grade report includes grades for the present academic term as well as the

cumulative weighted average earned throughout the academic program.

Grades will not be released over the telephone and will be kept in confidence.

Students who fail an examination are required to consult with the course director within five working days following notification of the failed examination.

Remedied Grades

A student who receives a failing grade (69 or less) in a course will have to repeat that course in accordance with the promotion requirements and achieve either a grade of 70 or a "CR." Failure to achieve either a grade of 70 or better or a "CR" in a remedied or repeated course is grounds for dismissal.

When a course is repeated or remedied, all attempted credit hours and earned grade points are counted in computing the cumulative weighted average. An asterisk is placed next to these courses to indicate that the course has been repeated. Entries for the repeated course and the remedied grade are shown elsewhere on the transcript.

COURSE/INSTRUCTOR EVALUATION

Each student has a responsibility as a professional to provide constructive evaluation of each course, clinical rotation and instructor in the curriculum. This responsibility will be met by participation in the course evaluations routinely administered by the college.

According to the Administrative Policy on Student Evaluation of Courses and Instructors, each student is required to complete course/instructor evaluations in order to receive a grade for the course. If a student fails to complete course/instructor evaluations, grades earned in the applicable courses will be made available by the registrar for official college purposes (such as the review of academic performance) but will not be entered on the student's official permanent record or released on an academic transcript until satisfactory completion of the course/instructor evaluations.

SPECIAL ACADEMIC PROGRAMS

A student may request the privilege of a special academic program under extenuating circumstances. Requests to be considered for a special academic program will be directed to the vice president for academic affairs and dean, who will act on the request after consultation with the Student Performance Committee, Office of Academic Affairs and appropriate faculty members. There is no assurance that requests will be granted.

Guidelines for a special program are as follows:

- Requests for a special program must be made either before enrolling in the fall semester of the freshman year or within three weeks after the beginning of the first semester of each year of classes.
- No request will be considered at any other time in the year unless there is documented evidence of a medical or personal problem that would prevent the student from completing the year with a full course load. Under no circumstances will special programs be granted to students only for reasons of not being in good academic standing or to students who have not applied themselves in studies, including

attending class. Furthermore, students should have indicated, as proven by their efforts at TCOM, that they have the characteristics to be successful in the college curriculum.

- Any student (other than a transfer student) granted a special program will be placed on a five-year program. All academic and non-academic requirements of the college will apply to any student on a special program.

Auditing

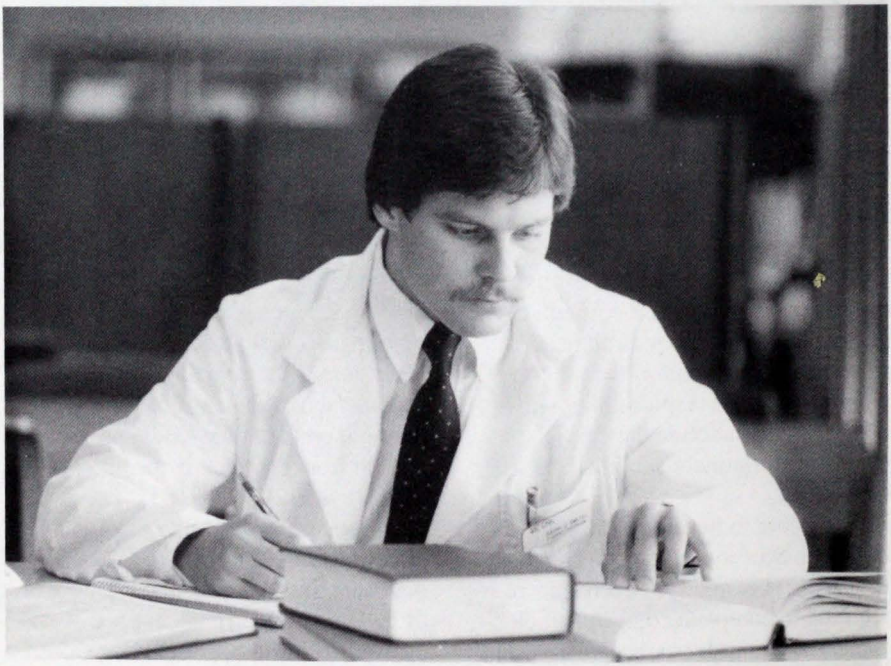
Students may audit classes if they have obtained permission from the vice president for academic affairs and dean and have paid all tuition and fees. These students will be expected to meet all classes and take examinations unless prior arrangements have been made with the course director and department chairman. No grades will be given for audited classes, but these courses will be shown on the academic transcript.

ACADEMIC STANDING

Advanced Placement

A student may be considered for advanced placement or waiver in a particular course only at the time of original admission regardless of the mechanism and level of the admission. The advanced placement, if granted, will be specified in the student's registration package.

To be placed in advanced standing a student must have taken a course judged equivalent by the appropriate academic department within two years before the date of admission and must have been awarded a minimum grade of "B." Candidates who fail any of these criteria may still be recommended for advanced placement by a department if they have completed a similar course and have obtained a minimum grade of 80 or above in a written comprehensive examination given by the department



for advanced placement purposes before their admission to TCOM.

Requests for advanced placement or waiver must be made at the time of the student's verification of acceptance when the student must present all supporting documents to the appropriate academic department through the Office of the Registrar. The departmental recommendation will be reviewed in the Office of Academic Affairs and must be approved by the vice president for academic affairs and dean.

The decision regarding a request for advanced standing will be transmitted in writing to the student by the vice president for academic affairs and dean, who also will instruct accordingly the registrar and the concerned department.

Courses for which advanced standing is granted will be assigned the grade "CR," which will not contribute to the student's cumulative weighted average.

National Boards

All students are required to take Part I of the examination administered by the National Board of Osteopathic Examiners upon completion of the second year of the medical curriculum. A student is eligible to take Part I upon satisfactory completion of one-half of the sophomore year. To be eligible, a student must have received a passing grade in courses totalling one-half of the semester credit hours in the sophomore curriculum.

A student is required to pass Part I (per the minimums established by the National Board of Osteopathic Examiners) for promotion to the third year. Students who do not pass Part I will be allowed to remain as provisional students in the third year and will be required to retake the examination at the regularly scheduled examination period in the fall of the third year. These students will be allowed to continue in the junior classification on a provisional basis pending results of the second examination.

A student who does not achieve a satisfactory result on the second examination will be dismissed from the college.

Students may audit appropriate basic science courses in order to prepare for re-examination with the approval of the vice president for academic affairs and dean, department chairman and the course director.

All students are required to take Part II of the examination administered by the National Board of Osteopathic Examiners in the fall of their fourth year. A student is required to pass Part II (per the minimums established by the National Board of Examiners) for graduation.

Students who do not pass Part II will have a second opportunity to take the test during the spring of the fourth year. Students who are unsuccessful on the second try will be dismissed from the college.

Senior Examination

Each student will sit for a comprehensive examination prepared by the faculty and administered during the fourth year.

Final Examinations

No student will be exempt from taking final examinations. No final examination will be given early or late, except in the case of unusual circumstances acceptable to the course director, the department chairman, and

the vice president for academic affairs and dean. Each case of this type will be considered on its individual merits.

Academic Honors

It is a tradition at TCOM to recognize its highest scholars and to promote academic excellence throughout the college program. Honors are determined after each academic semester and at graduation and are noted on the student's official permanent record.

Each semester the Dean's List recognizes those students whose cumulative weighted averages make up the highest 10 percent of each class enrolled in the college.

The distinction of President's Scholar is awarded to those graduating seniors who have been named to the Dean's List for every semester of enrollment in the college.

Academic honors are awarded with the degree at graduation ceremonies to the graduates whose cumulative weighted averages make up the highest 10 percent of the graduating class. The students in this group shall be designated as graduating with honors. For the purpose of determining academic honors for graduation, grades will be calculated for honors at the beginning of the Eighth Semester Program. In no case will grades for honors be considered after this date.

No graduate will be named to the Dean's List or receive a degree with honors who has failed a course, who has not been enrolled as a full-time student or who has been placed on academic or disciplinary probation.

PROMOTION REQUIREMENTS

Normal progression through the curriculum requires that a student achieve a cumulative average of at least 70 in each academic year and that there be no failing grades (below 70) that have not been corrected. Achievement of this standard in each academic year is required for promotion to the next academic year. This standard also must be met before a third-year student will be allowed to begin clinical rotations. The same standard must be achieved in the fourth year in order to graduate. In addition, the graduating student must have passed Parts I and II of the examination administered by the National Board of Osteopathic Examiners and must have sat for the senior comprehensive examination.

The academic standards for successful completion of each course or clinical rotation are determined by the department or interdisciplinary unit under which the course or rotation is administered. The student has the primary responsibility for acquiring knowledge and clinical proficiency and for meeting the academic standards set for each course or program. The college in no way guarantees that any student once enrolled will achieve any level of academic or professional accomplishment.

Students who do not meet the standards specified for promotion, for beginning clinical rotations or for graduation, may be given an opportunity to correct their deficiencies either at specified times during the academic year or by adding an additional period of time to their medical education. Remediation is to be regarded as a privilege that must be earned by the student. This and other

conditions of remediation are described under "Academic Standing" in the Student Handbook.

Academic Probation

Students must meet the minimal standards and requirements set by the college in order to remain in good academic standing. Students will be placed on academic probation if they have a cumulative weighted average of less than 70 or if a failing grade is received in any course. They will be removed from academic probation only after successfully correcting their particular deficiency.

Academic standing is reviewed by the Student Performance Committee periodically throughout the year and includes consideration of a student's overall performance at TCOM during any and all periods of enrollment. Academic probation or other actions may be recommended for students with failing grades and a cumulative weighted average below 70 or for students whose performance in a number of courses is passing but low (such as a grade of 70-74). In addition, students may be placed on academic probation for ethical, professional or personal standards that fall below those established by the college.

Academic probation should be regarded as a serious matter and is official notice to students that the quality of their performance during the probationary period must improve in order to remain eligible to continue in the college. Any students who fail to improve their performance in the areas identified by the Student Performance Committee during the probationary period may be continued on probation, asked to withdraw or dismissed from the college.

WITHDRAWAL, LEAVES, DISMISSAL

Withdrawal

An application for voluntary withdrawal from the college must be made in writing to the vice president for academic affairs and dean. The application will be accompanied by a personal interview except in rare and special circumstances. Every effort should be made to assure that no misunderstandings or errors occur in the withdrawal process. Students who leave the college without notifying the Office of the Dean and the Office of the Registrar, and without completing the established withdrawal procedures within 30 days, will automatically be terminated from the college.

An entry will be made on the official permanent record indicating the academic standing of the student at the time withdrawal is granted. "Withdrawal in good academic standing" will be recorded provided the student is not on academic probation and has received no course grades or averaged examination grades of less than 70 during the semester in which the withdrawal is requested. "Withdrawal not in good academic standing" will be recorded if the student is on academic probation or has received course grades or averaged examination grades of less than 70 during the semester in which the withdrawal is requested.

In addition, students must report to the Office of the Registrar to sign a withdrawal form before they can officially withdraw from the college. Students who do not complete this

withdrawal and will not be considered for readmission at a later date.

Readmission following the withdrawal procedure is not assured unless it is a part of the final decision and/or agreement made by the withdrawing student and the vice president for academic affairs and dean. This final decision and/or agreement must be in writing so that it is clear to all involved parties.

Leaves of Absence

A student in good academic standing may request a leave of absence in the event of a medical problem. Students requesting a leave of absence must inform the vice president for academic affairs and dean in writing. The request must be accompanied by a letter from a physician describing the nature of the disability for which the leave is requested and the estimated length of time needed for recovery.

After consultation with the student, the vice president for academic affairs and dean will decide whether or not the leave is to be granted and the conditions under which the student may return to school.

Before a student is readmitted, a written request for readmission must be submitted by the student to the vice president for academic affairs and dean. A letter from a physician stating that the student has recovered from the disability for which the medical leave was granted and is able to participate in a full academic program must accompany the readmission request.

Students must report to the Office of the Registrar to sign a leave of absence form before they can leave the college officially.

Dismissal

Dismissal from the college will be recommended if:

1. A student's cumulative weighted average for any one academic year is less than 70.

2. A student earns failing grades in 25 percent or more of the credit hours for any one academic year.

3. A student fails a course or rotation for the second time(no readmission would be granted at a later date).

4. A student exceeds the two-year maximum limit for completing one academic course or the six-year limit for completing requirements for graduation, exclusive of a leave of absence or withdrawal in good standing.

5. A student has not demonstrated continued academic and professional growth and achievement.

6. A student has not passed the National Board examinations as set forth in policies by TCOM and the National Board of Osteopathic Examiners.

Students will be recommended for unconditional dismissal with no opportunity for readmission if they withdraw or are dismissed due to poor academic progress, subsequently re-enter the college and then receive a failing grade in any course.

It should be clearly understood that the college, after due consideration and process, reserves the right to require the dismissal of any student at any time before graduation if circumstances of a legal, moral, behavioral, ethical, health or academic nature justify such an action.

REQUIREMENTS FOR GRADUATION: CLASS OF 1994

Students who have satisfactorily completed all academic requirements and who have been recommended by the TCOM faculty may be awarded the Doctor of Osteopathy (D.O.) degree, provided they are of good moral character and that they:

1. have maintained at least a cumulative weighted average of 70, have no unremedied failing grades and no grades of "I" ;

2. are at least 21 years of age;

3. have been in residence for four academic years at an accredited college of osteopathic medicine or college of medicine, the last two years of which must have been at TCOM;

4. have passed Part I and Part II of the examination administered by the National Board of Osteopathic Examiners;

5. have sat for the comprehensive examination prepared by the faculty and administered during the fourth year;

6. have complied with all legal and financial requirements of the college;

7. have exhibited the ethical, professional, behavioral and personal characteristics necessary for the practice of osteopathic medicine;

8. attend the commencement at which the degree is to be awarded (only in unusual circumstances and with approval of the president will a degree be awarded in absentia); and

9. have completed the Clearance Check Form from the Office of the Registrar. This form, which must be returned to the registrar before graduation, is placed with the student's permanent record and serves as the final clearance from campus.

Students who do not fulfill all graduation requirements by graduation day will not be allowed to participate in the commencement ceremony. In addition, they will not be considered graduates in any capacity until they have successfully completed all requirements.

4 CURRICULUM

CURRICULUM DESCRIPTION

The Texas College of Osteopathic Medicine curriculum is a four-year program leading to the degree of Doctor of Osteopathy. Increasing emphasis is being placed on the promotion of health and wellness in patients and on the necessity of treating each patient in the context of a wide variety of factors that influence health.

Semesters 1 and 2 of the first year are devoted to instruction in the preclinical sciences in concert with the fundamental clinical concepts and techniques of the osteopathic physician's approach to the patient. Materials are integrated wherever possible to enhance learning and comprehension.

Semesters 3-5 are increasingly devoted to instruction in the clinical sciences in preparation for clinical clerkship rotations and preceptorships.

The final one and three-fourths years are devoted to clinical clerkship rotations and preceptorship assignments. During Semesters 6-8 each student rotates through a series of 19 required preceptorships/clinic and hospital clerkships. These four-week rotations are scheduled primarily in college teaching hospitals, college clinics and physicians' offices in or near the Fort Worth/Dallas area.

Semester 8 is a brief period of on-campus instruction that includes clinical and classroom activities that are designed to round out each student's preparation for graduation. During this final semester each student prepares for comprehensive examinations and attends short courses and seminars on campus.

PROGRAM OF INSTRUCTION

The instructional program at TCOM uses a variety of teaching methods and settings to prepare each student for the increasingly complex role of the physician in modern society.

While much of the instruction in the first five semesters takes place in familiar classroom settings, the use of other teaching methods and materials is increasing. Numerous opportunities are provided for laboratory instruction in the preclinical sciences. Other techniques involve the use of computer-assisted instruction, small-group teaching, specialized workshops and simulated clinical experiences.

Beginning with the first semester, students are introduced to the clinic and begin to develop their clinical skills. They are also placed in a variety of health-related agencies throughout Fort Worth to help them become familiar with the many agencies in the community and the health problems with which such agencies deal.

During the second year, students are assigned to the office of an area osteopathic physician to experience firsthand the activities of general practice and to provide a gradual transition from the classroom to clinical settings.

CURRICULUM GOALS

Students, faculty, administration and staff at TCOM are dedicated to the principles of academic excellence and constantly strive to improve the quality of the education program.

It is intended that each student will develop skills in self-learning and self-evaluation that will serve during formal medical education and throughout a professional career. Emphasis is placed

on learning activities that assist each student in interacting effectively with peers and in promoting cooperative relationships with others in the health professions. Central to all educational activities in the curriculum are the goals of teaching critical thinking and of helping each student develop logical skills of clinical decision making.

TCOM's administration and faculty have committed themselves to progressive revision of the curriculum in order to improve the probability that graduating physicians will increasingly transfer their clinical efforts:

• *from* therapy *to* prevention; that is, from remedial medicine to prophylactic medicine.
• *from* late-stage disease *to* early departure from health.
• *from* pathologic medicine *to* physiologic medicine, in order to help patients achieve and continue on their best physiologic path.
• *from* treating disease *to* teaching healthful living, especially by example.
• *from* intervention in the biologic processes *to* the search for optimal operation by improving the conditions in which they function.
• *from* a focus on parts of the body *to* a focus on the total person as the context in which the parts operate.
• *from* the physician *to* the patient as the source of health and the agent of cure. The physician's objective is to support and disencumber the natural processes of homeostatis, healing and recovery, and to place the patient in command of the situation.
• *from* a preoccupation with disease processes *to* concern about disease origins; that is, from causes of diseases to the factors that permit them to become causes.
• *from* specificity and multiplicity of disease *to* susceptibility to illness in general.
• *from* acute, crisis and episodic treatment *to* long-term care.
• *from* addressing acute episodic problems in isolation *to* dealing with them in the context of the total life and health of the patient.
• *from* an emphasis on depersonalized technology *to* a heightened awareness of human values and individual uniqueness.

These transfers of emphasis are not an abandonment of one kind of clinical objective and effort for another. In the face of existing and accumulating disease and disablement, it is necessary to prepare students adequately for acute, crisis and episodic care, as well as for prevention; for recognition of the occasional need for intervention in biologic processes, as well as for improved operating circumstances; and for differential diagnosis and appropriate treatment of victims of specific illnesses, as well as susceptibility to illness in general.

The goals of this educational program differ from those of traditional medical education. Implementation of these goals in the curriculum is a gradual process. Fundamental changes are being made in curriculum design and teaching-learning processes, composition and roles of the faculty, student selection, educational facilities and resources and, most importantly, the attitudes and professional qualifications of TCOM graduates. Implementation of these goals will assist the TCOM graduate in meeting the health-care needs of Texas and the nation.

CURRICULUM

Year 1, Semester 1
Biochemistry
Developing Dimensions in Health Care I
Developing Dimensions in Health Care II
Embryology
Gross Anatomy
Medical Histology and Cell Biology
Osteopathic Clinical Practices I
Osteopathic Clinical Practices II

Year 1, Semester 2
Basic and Clinical Immunology
Developing Dimensions in Health Care II (cont'd.)
Medical Physiology
Neurobiology
Osteopathic Clinical Practices II (cont'd.)

Also to be taken in Semesters 1 and/or 2
Computer Literacy I

Year 2, Semester 3
Developing Dimensions in Health Care III
Medical Microbiology
Osteopathic Clinical Practices III
Pathology I
Pharmacology
Psychiatry

Also to be taken in Semesters 3 and/or 4:
Computer Literacy II

Year 2, Semester 4
Anesthesiology
Clinical Biochemistry
Developing Dimensions in Health Care IV
Gynecology
Medicine
Osteopathic Clinical Practices IV
Pathology I(cont'd.)
Pathology II
Pediatrics
Psychiatry (cont'd.)
Surgery

Year 3, Semester 5
Dermatology
Developing Dimensions in Health Care V
Medical Decision Making (elective)
Medicine (cont'd.)
Obstetrics
Pediatrics (cont'd.)
Radiology
Surgery (cont'd.)

Year 3, Semester 6 and Year 4, Semester 7
Core Clerkships:
- Ambulatory Care (3 rotations)
- Emergency Medicine (1 rotation)
- General Practice Junior Partnership (1 rotation)
- Medicine (2 rotations)
- Mental Health (1 rotation)
- Obstetrics and Gynecology (1 rotation)
- Pediatrics (1 rotation)
- Subspecialty Internal Medicine (1 rotation)
- Surgery (2 rotations)

Elective Clerkships (6-7 rotations)

Year 4, Semester 8
Advanced Cardiac Life Support Certification
Medical Jurisprudence
Special Guest Speakers

One semester hour is assigned to each 16 hours of scheduled instruction, including examinations and exclusive of clinical clerkship rotations.

Throughout this catalog, the three or four digits of a course number assist in identifying the type of course, course series and semester in which it is taught. A first number 5 refers to courses in the basic sciences division; 6 indicates clinical sciences, including pathology; 7 is a required clinical clerkship rotation; 8, an elective clerkship rotation; and 9, an interdepartmental or other special course. The second digit indicates the semester the course is begun, from 1 for the first semester of the first year to 8 for the second semester of the fourth year. The third and/or fourth digits are

#hrs
1-
2-
3-
4-

sequential numbers for course identification purposes.

Several courses listed are taught cooperatively by faculty from several departments. Interdepartmental teaching is encouraged in all phases of the curriculum.

COURSE OF STUDY

DEPARTMENT OF ANATOMY AND CELL BIOLOGY

Myron K. Jacobson, acting chairman

Professors

Leppi *Wise*

Associate Professors

Aschenbrenner *Rudick*
Cammarata *Schunder*
Carnes *Wordinger*
Orr

Assistant Professors

Bourdage *Jackson*
Dzandu

5101. Gross Anatomy

A complete study of the gross morphological features of the human body. Regions studied include: upper limb; deep back and neck; head; thorax; abdomen; pelvis and perineum; and lower limb. Integrated units in each region consist of organizational lectures with small-group study sections and dissection. Each student is required to participate fully in dissection of a human cadaver for successful completion of the course. 13 semester hours, first year, semester 1.

5102. Medical Histology and Cell Biology

Principles of cellular biology and a microscopic study of cells, tissues and organs. Emphasis is placed on structure-function relationships of the human body. 6 semester hours, first year, semester 1.

5103. Embryology

Principles of development of the human embryo. Emphasis is on the first eight weeks of development, and the subsequent development of the organs and organ systems. 2 semester hours, first year, semester 1.

5206. Neurobiology

Neuroanatomy, neurophysiology and neurochemistry, gross and fine structural study of the central and peripheral nervous system. Dissection of whole human brains. Coordinated lecture and laboratory program stressing normal structure and physiology of nervous system. Clinical case presentations are used to supplement classroom instruction. 5 semester hours, first year, semester 2.

DEPARTMENT OF ANESTHESIOLOGY

Paul A. Stern, chairman

Professors

Gallehugh *Stern, P.*

Associate Professors

Kahn *Stern, S.*

Clinical Associate Professors

Kebabjian *Kelso, E.*

Clinical Assistant Professors

Cogdill *Sears*
Leech *Stanton*
Ponitz

Clinical Instructors

Bailey *Martin, R.*
Classen *Neisler*
Gile *Stein*
Graybill *Wallace, A.*

6440. Principles of Anesthesiology

The scientific basis and fundamentals of anesthesiology are presented by lecture, seminar, demonstration and the use of audio-visual materials. Course goals are to teach the following

• technics of preoperative evaluation to recognize those patients and situations that pose an increased anesthetic risk;

• preoperative therapy for such patients to minimize this risk;

• the characteristics of commonly used anesthetic agents and technics, their risks and complications;

• the safe use of local anesthetics;

• the principles and skills involved in airway management; and

• the principles and technics involved in the management of acute and chronic pain.

1 semester hour, second year, semester 4.
Prerequisite: Pharmacology 5316

811. Clinical Clerkship in Anesthesiology
An elective four-week rotation in anesthesiology for qualified students at an affiliated hospital. 4 semester hours.

DEPARTMENT OF BIOCHEMISTRY AND MOLECULAR BIOLOGY

Robert W. Gracy, chairman
Professors
Gracy *Lacko*
Harris, B. *Norton*
Jacobson, M.
Associate Professors
Masaracchia *Wu*
Pirtle
Assistant Professors
Easom *Shaklee*
Grant
Research Professors
Dimitrijevich *Rao*
Kudchodkar *Srinivasan*
Kulkarni *Yüksel*
Adjunct Professors
Alvarez-Gonzalez *Nicholson*
Clark *Romeo*
Cook *Sims*
Jacobson, E. *Sundstrom*
Lou

5110. Principles of Biochemistry
Principles of biochemical structure and metabolism as they apply to human health and disease states. 5 semester hours, first year, semester 1.

5411. Clinical Biochemistry
A study of the biochemistry of human systems, including correlative study of the clinical expression of biochemical disorders. 3 semester hours, second year, semester 4.

DEPARTMENT OF DERMATOLOGY

Paul A. Stern, acting chairman
Assistant Professors
Cohen, J. *Way*
Clinical Associate Professors
Garcia *Ingraham*
Goetz
Clinical Instructor
Stoner

6564. Dermatology
Designed to provide the student with a general understanding of basic dermatology, including terminology and the diagnosis and treatment of diseases of the skin, hair and nails. 1 semester hour, third year, semester 5.

812. Clinical Clerkship in Dermatology
An elective four-week rotation in dermatology. 4 semester hours.

DEPARTMENT OF GENERAL AND FAMILY PRACTICE

Richard B. Baldwin, acting chairman
John R. Bowling, acting vice chairman

Professors
Richards
Urban

Associate Professors
Baldwin
Bowling
Carter, J.
Clark, W.
Faigin, N.
Falbey
Flanagan
Gamber
Jenkins, C.
Peterson
Zachary

Assistant Professors
Browne
De Lisle, H.
De Lisle, K.
Smith, G.
Whiting

Instructor
Hooper

Research Associate Professor
Courtney

Clinical Professors
Boyd
Carlton
Everett
Hall, R.
Kinzie
Luibel
Nobles
Ogilvie
Saperstein
Sharp, T.

Clinical Associate Professors
Abbey
Alba
Albertson
Alexander, J. M.
Andreassen
Angelo
Armbruster, D.
Armbruster, J.
Battaglia
Beaty
Behrens, J.
Bennett
Bernard
Bernstein, D.
Bernstein, S.
Beyer, D. M.
Bigsby
Boone
Branch
Bull
Burrows
Callton
Campanile
Campbell
Cannon
Carpenter
Carter, R. E.
Cary
Cegelski
Clay
Crandall
Crouch
Cunniff
Czewski
Daniels, R.
Davis, D.
Davis, M.
Doyle
Earp
Ernst
Faigin, A.
Farina
Feinstein
Flaming
Fried
Galewaler
Ganz
Garmon
Garner
Goldman
Good
Greene
Haberer
Hames
Harrington
Hawa
Henley
Hoffman
Holliday
Hopkins
Hussey
Katz
Keilers
Kelley, R.
Kelso, G.
Kent
Kirlin
Kludo
Kmetz
Kramer
Kravetz
Kudelko
Leslie
Lewis, H.
Liedtke
Lindsey
Linton
Livingston
Lizerbram
Martin, L.
Maul
McCarty, F.
McCorckle
McLaughlin
Merrill
Merwin
Miller
Mims
Montgomery-Davis
Nichols
Nolen
Olson
Parvin
Peters
Pettina
Peyton, D.
Phillips
Poetz
Porter
Pruzzo
Puryear
Quigley
Randolph
Ray, D.
Reich
Reilly
Renna
Rhodes
Rice, E.
Rice, J.
Rocha
Rollins, K.
Sandlin
Shields
Smith, B.
Smith, G.
Smith, J.
Smola
Spain
Sparks, R. D.
Sparks, R. P.
Speece
Stanley

Stevens, W.
Styduhar
Swartz
Thompson, J. C.
Thompson, J. P.
Todd
Truman
Ungerleider
Vasile
Walton
Ward
Watson
White, K.
Whitham
Wiseman
Wolpmann
Wright, J. B.
Wright, J. L.
Zeitler

Clinical Assistant Professors

Almy
Behrens, K.
Birdwell
Brooks, S.
Burke, A. B.
Burke, J. W. III
Cantrell
Cook, C.
Cothern
Cudd
Davis, A.
Davis, J.
DeLuca
Ellis, D.
Ellis, K.
Farrar
Franz
Galarneau
Galli
Gan
Gardner
Garrison
Glauser
Glidden
Haman
Hayes, R.
Hazelip
Heller
Hernandez
Herr
Hulse
Johnson, E.
Johnson, H.
Kelley, J.
Keyser
Kirkwood
Lees
Lewey
Lopez
Lowney
Mahoney
Martin, J.
Maxwell
Meyer
Miles
Nesbit
O'Connor
Palmer
Pearson, P.
Pifer
Polk
Pope
Post
Rice, L.
Ridenour
Rodgers
Rollins, R.
Samuels
Saylak
Scarpinato
Schmidt
Schneider, M.
Schwartz
Sharp, L.
Shimoda
Skottie
Stark
Stickney
Strazynski
Tamez
Tarver
Teitelbaum
Thomas
Tyler
Walkenhorst
Wallingford
Wheat
Whiteley
Worrell
Wray
Zegarelli

Clinical Instructors

Ansohn
Beard
Beyer, D.G.
Depew
Essex
Fazeli
Glaser
Grayson
Guevara
Hall, C.
Hanby
Henshaw
Hiscox
Hood
Hubner
Heuber
Kaplan
Kislingbury
Lekawski
Lewis, A.
Lorenz
Maley
McDaniel
Noss
Roach
Roberson
Willard
Williams, C.
Williams, M.
Winton
Wysoki

Note: Due to space limitations only active preceptors are listed in this catalog. Please contact the Department of General and Family Practice for further information.

Division of Emergency Medicine

Richard B. Zemenick, director
Associate Professors
Deagle *Zemenick*
Papa
Clinical Associate Professor
Coleridge
Clinical Assistant Professors
Calabrese *Schuricht*
Del Principe *Vinson*
Hafter *White, C.*
Kow
Clinical Instructor
Hinz

Division of Substance Abuse
Nancy Faigin, director

701. Core Clinical Clerkship in Ambulatory Care
A required 12-week rotation in the third or fourth year. Provides the student clinical experience in family practice. Students are assigned to departmental outpatient clinics where they experience the problems of family care and continuity of care in addition to learning the patterns of patient referral and community aspects of health care. 12 semester hours.

702. Core General Practice Junior Partnership
A required four-week rotation in ambulatory care with a general practitioner. 4 semester hours.

801. Clinical Clerkship in Ambulatory Care
An elective four-week rotation in the third or fourth year that provides students clinical experience in family practice. Students are assigned to departmental outpatient clinics where they experience the problems of family care and continuity of care in addition to learning the patterns of patient referral and the community aspects of health care. 4 semester hours.

802. General Practice Junior Partnership
An elective four-week rotation in ambulatory care. 4 semester hours.

703. Core Clinical Clerkship in Emergency Medicine
A required four-week rotation in emergency medicine. 4 semester hours.

803. Clinical Clerkship in Emergency Medicine
An elective four-week rotation in emergency medicine. 4 semester hours.

820. Clinical Clerkship in Substance Abuse
An elective four-week rotation in substance abuse. 4 semester hours.

DEPARTMENT OF MANIPULATIVE MEDICINE

Jerry Dickey, chairman
Professors
Harakal, J. H. *Richards*
Associate Professors
Dickey *Gramer*
Gamber *Peckham*
Assistant Professors
Dott, G. *Vick, D. A.*
Koss
Professor Emeritus
Coy
Clinical Professor
Carlton
Clinical Associate Professor
Beyer, R.
Clinical Instructors
Samuels *Vick, D. E.*
Teitelbaum

The Osteopathic Clinical Practice series, which is described under the Interdisciplinary Studies section of this

catalog, presents an introduction to the basic philosophy and principles of osteopathic health care. Initial emphasis is on palpatory diagnostic skills and examination for somatic dysfunction. Practical training is given in a systematic biomechanical examination of the human body. Application of the principles of manipulative treatment of somatic dysfunction is then emphasized, based on individual findings and diagnosis.

This series includes presentations of a variety of methods and activating forces to be presented simultaneously on a regional basis. The student will learn the use of direct method thrusting, direct method muscle energy, indirect method, counterstrain and cranio-sacral. The student will be presented with a variety of methods in activating forces to treat somatic dysfunction of various regions of the body. Methods will be presented simultaneously so that a bias in treatment form is not introduced. Methods such as cranio-sacral will be presented following application of the axial and appendicular skeleton, and this will be followed by brief intensive workshops on a number of useful adjunctive methods of treatment and their intended applications. The final section includes practical applications for various clinical entities and organ systems. Faculty and guest clinicians will present lectures and practice training sessions.

815. Clinical Clerkship in Manipulative Medicine

An elective four-week rotation for self-directed study in manipulative medicine with emphasis on application of osteopathic philosophy and principles. Primary time commitment is in the Osteopathic Manipulative Medicine Clinic. 4 semester hours.

Predoctoral Teaching Fellowship

Two students are selected each year to serve fellowships with the Department of Manipulative Medicine. The students' last two years of study are expanded to three to allow time for research, teaching and clinical service in the department.

OFFICE OF MEDICAL EDUCATION

J. Warren Anderson, chairman

Associate Professors

*Alexander**
Anderson
Barker
*Carter, B.**
Papa
Shores

Assistant Professors

*Brooks**
*Budd**
*Coffelt**
*Elam**
*McInroy-Hocevar**
*Wood**

Instructors

*Mason**
*Muirhead**
*Porter**
*Raymond**
*Taber**

Research Associate Professor

*Zanecchia**

Adjunct Assistant Professors

Bourdage
*Sims**

Adjunct Instructor

*McQueen**

** Serving in the Health Sciences Library or primarily in other administrative positions within the college.*

9101. Computer Literacy I

Demonstrated understanding and hands-on competency in several aspects of computers, including microcomputer hardware and software, disk operating system, word processing, spreadsheets, database management and communications software. 1 semester hour, first year, semesters 1 and/or 2.

9302. Computer Literacy II

Demonstrated understanding and hands-on competency in several medical practice-oriented computer programs. Included are programs for assistance in clinical diagnosis and on-line medical information. 1 semester hour, second year, semesters 3 and/or 4.

DEPARTMENT OF MEDICAL HUMANITIES

Clyde Gallehugh, chairman
Professor
Gallehugh
Assistant Professor
Lurie
Instructor
Peyton, S.
Professor Emeritus
Ogilvie
Clinical Assistant Professor
Weinberg
Clinical Instructor
Rafes

The Department of Medical Humanities emphasizes the disciplines of philosophy, history, sociology, ethics, law, religion and literature as they relate to the healing arts and to the societal and cultural factors in health and disease.

Although few courses in the humanities are formally taught, the department's aim is to incorporate issues on human values into the curriculum. Different viewpoints on medical culture, human values and their interrelationships are introduced to students through courses already being taught by other departments.

Students have the opportunity to do self-instructed and selective humanities-related study projects with approval through special consultations with the chairman.

6858. Medical Jurisprudence

Legal aspects of medical practice, including medical-legal reports, requirements for court testimony, medical malpractice and organization of a medical practice. 2 semester hours, fourth year, semester 8.

813. Clinical Clerkship in Medical Humanities

An elective four-week rotation in medical humanities. 4 semester hours.

DEPARTMENT OF MEDICINE

Michael Clearfield, chairman
Professor
Olson
Associate Professors
Blais
Bleicher
Clearfield
Graitzer
Gratch
Jacobson, E.
McIntosh
McKinney
Ostransky
Rubin
Slocum
Troutman
Weis
Assistant Professors
Fedorko
Fisher, R. G.
Foresman
Knebl
Maxvill
Pertusi
Wilson, W.
Wood
Instructor
Gleason-Wynn
Clinical Professor
Avery
Clinical Associate Professors
Beckwith
Hosler
Jones, M.
Locke
Meltzer
Shah
Tacka
Waddell
Wilson, J.W.
Clinical Assistant Professors
Adamo
Bode
Brenner
Cohen, P.
Feingold
Firstenberg
Flaggman
Fling
Friess
Godell

Johnson, E. R.
Jordan
Khambatti
Kopman
Mills
Nophsker
Patel
Pincus
Reese
Reznick
Rojas
Schneider, H.
Skiba
Theroux
Trese
Watkins, J.
Wilkes

Clinical Instructor
Davis, G.

6442. Medicine Lecture Series

An emphasis is placed on high-impact diseases over the entire spectrum of internal medicine. Lectures cover material in the subsections of pulmonary disease, gastroenterology, neurology, infectious diseases, nephrology, rheumatology, hematology, oncology, endocrinology, immunology, cardiology, geriatrics and general medicine. Problem-solving methods, patient-oriented histories and small-group tutorials gradually are being introduced into this series. Consultation lectures from various basic science faculty members also are provided. The comprehensive nature of this course will provide students with the basic building blocks of medicine to start their own clinical experiences. 10 semester hours, second and third years, semesters 4 and 5.

704-705. Core Clinical Clerkship in Medicine

The TCOM campus clerkship is an eight-week program divided into two four-week sessions. One session is served on the general ward service at the Osteopathic Medical Center of Texas under the guidance of TCOM Department of Medicine members. Under rigorous audit, the clerk is responsible for the care of hospitalized patients. This care includes collection of data from initial evaluation to final disposition. An emphasis is placed on the skills of problem solving (data collection), management, planning and proper record keeping (criteria of evaluations) utilizing thoroughness, reliability, efficiency and logic. Manual skills are learned and re-enforced.

The second four-week session is an ambulatory internal medicine rotation. The clerk is exposed to the multiple aspects of outpatient and ambulatory medicine including, but not limited to, rheumatology, neurology, diabetes management, general internal medicine, geriatrics (extended-care facility visits), public health, outpatient hemodialysis and outpatient endoscopy. This session also includes case presentations and lectures on specific topics.

TCOM off-campus rotations are served at affiliated hospitals and generally are based on the classic preceptor-clerkship format. The clerk spends eight weeks in a combined ambulatory and hospital-based program that has responsibilities and goals similar to the on-campus program. 4 semester hours each.

706. Core Clinical Clerkship in Subspecialty Internal Medicine

A required four-week clerkship in subspecialty internal medicine, including one or two of the following: pulmonary medicine, gastroenterology, hematology/oncology, nephrology and rheumatology. The clerk solves problems of actual patients using those data-gathering and processing methods learned in the core medicine clerkship. Physiologic, biochemical and anatomic principles are re-examined within the framework of problem solving. 4 semester hours.

804. Clinical Clerkship in Medicine
An elective four-week rotation in medicine. 4 semester hours.

821. Clinical Clerkship in Rheumatology
An elective four-week rotation in rheumatology. 4 semester hours.

822. Clinical Clerkship in Cardiology
An elective four-week rotation in cardiology. 4 semester hours.

823. Clinical Clerkship in Endocrinology
An elective four-week rotation in endocrinology. 4 semester hours.

824. Clinical Clerkship in Gastroenterology
An elective four-week rotation in gastroenterology. 4 semester hours.

825. Clinical Clerkship in Geriatrics
An elective four-week rotation in geriatrics. 4 semester hours.

826. Clinical Clerkship in Hematology/Oncology
An elective four-week rotation in hematology/oncology. 4 semester hours.

827. Clinical Clerkship in Infectious Disease
An elective four-week rotation in infectious disease. 4 semester hours.

828. Clinical Clerkship in Nephrology
An elective four-week rotation in nephrology. 4 semester hours.

829. Clinical Clerkship in Neurology
An elective four-week rotation in neurology. 4 semester hours.

830. Clinical Clerkship in Pulmonary Medicine
An elective four-week rotation in pulmonary medicine. 4 semester hours.

831. Clinical Clerkship in Ambulatory Internal Medicine
An elective four-week rotation in ambulatory internal medicine. 4 semester hours.

DEPARTMENT OF MICROBIOLOGY AND IMMUNOLOGY

Paul F. Cook, chairman
Professor
Cook, P.
Associate Professors
Barrow *Harris, E.*
Assistant Professors
Alvarez-Gonzalez *Romeo*
Nicholson *Sundstrom*
Research Assistant Professor
Spellman
Adjunct Assistant Professors
Daniels, E. *Shaklee*
Grant

5213. Basic and Clinical Immunology
Natural defenses, normal immune responses, hypersensitivities and immunological diseases are presented with emphasis on principles. Clinical applications of immunology are stressed in the presentation of lectures, laboratory exercises and problem-solving case histories that are solved in small groups. Diagnostics, immunization, autoimmune disease, allergies, transplantation and cancer immunology and other clinical topics are subjects for case history studies. 2 semester hours, first year, semester 2.

5314. Medical Microbiology
Study of the characteristics of infectious organisms (viruses, bacteria, fungi, rickettsia and animal parasites) is followed by study of infectious diseases presented by physiological systems. Emphasis is on the dynamics of the

host-parasite relationship related to disease susceptibility, pathogenesis, diagnosis, treatment and control. Special topics include medical entomology, epidemiology, nosocomial infections, chemotherapy and immunization. Lectures, laboratories, simulated patient-case presentations and problem solving are utilized. 5 semester hours, second year, semester 3.

Prerequisite: Basic and Clinical Immunology 5213.

DEPARTMENT OF OBSTETRICS AND GYNECOLOGY

Robert C. Adams, acting chairman
Professor
Walker
Associate Professors
Adams
Chapman
Assistant Professor
Buchanan, S. P.
Clinical Professor
Matthews
Clinical Associate Professors
Fischer *Hayes, V.*
Clinical Assistant Professors
Guthrie *Stockburger*
Miers

6547. Obstetrics

The terminology, physiology and management of normal and problem pregnancy, labor, delivery and the puerperium. 2 semester hours, third year, semester 5.

6448. Gynecology

The etiology, diagnosis and management of gynecological disorders, including infectious diseases, congenital defects and malformations, endocrinology, oncology, infertility, trauma and related problems of the female genital system. 2 semester hours, second year, semester 4.

707. Core Clinical Clerkship in Obstetrics and Gynecology

A required four-week rotation in obstetrics and gynecology. 4 semester hours.

807. Clinical Clerkship in Obstetrics and Gynecology

An elective four-week rotation in obstetrics and gynecology. 4 semester hours.

DEPARTMENT OF PATHOLOGY

Stephen L. Putthoff, chairman
Associate Professors
Eisenberg *Putthoff*
Peerwani *Wimbish*
Assistant Professors
Cunningham *Sisler*
Krouse

6330. Pathology I

Incorporates the general fields of study known classically as basic and systemic pathology. Approach is primarily at organ levels after an introductory phase emphasizing fundamental pathophysiology. The latter encompasses processes associated with inflammation/repair, cell injury and death, infection, fluid/hemodynamic derangement and neoplasia. Subsequent systems approach illustrates major diseases and disorders encountered in the practice of medicine. Throughout, the language of medicine is emphasized, as well as clinical features and differential diagnoses where appropriate. Ultimately the student should be able to recognize, understand and predict the general effects of those pathologic processes encountered in clinical

medicine. 11 semester hours, second year, semesters 3 and 4.

6331. Pathology II

This course encompasses all environmental, nutritional, toxicologic and forensic topics. These lifestyle-related diseases are core pathologic elements in modern society and merit separate and specific consideration in our curriculum. The impact of diet, substance abuse, industrial disorders and trauma of disparate types is extraordinary and will be considered comprehensively in this course. Autopsies are an integral part of Pathology II and all students will be expected to attend necropsy sessions at the Tarrant County Medical Examiner's Office. An autopsy report on a participatory case is required as well. The goal of these latter activities is to correlate clinical data and the course of disease with necropsy findings. 3 semester hours, second year, semester 4.

817. Clinical Clerkship in Pathology

An elective four-week rotation in pathology. This generally includes three weeks at the Tarrant County Medical Examiner's Office with emphasis on toxicology, medical investigation, scene evaluation and forensic necropsy. An additional week is spent at the TCOM Clinical Laboratory with emphasis on laboratory data interpretation, surgical and cytopathology with double-headed microscopy, and peripheral smear/ urinalysis evaluations. All rotation approvals are at the discretion of the chairman of the Department of Pathology. 4 semester hours.

836. Clinical Clerkship in Toxicology

An elective four-week rotation in toxicology. Includes special case studies of clinical/forensic interest.

DEPARTMENT OF PEDIATRICS

Bruce G. Gilfillan, chairman

Associate Professors

Gilfillan *Levine, A.*

Assistant Professor

Blackwell

Clinical Assistant Professors

Brien *Lund*

Holton *Magie*

Levy *Milionis*

6451. Pediatrics

Holistic approach to the newborn, infant, child and adolescent, including development and care as part of the overall approach to health. Emphasis is placed on acquiring a foundation of knowledge sufficient to provide the student with fundamentals for entering the core clinical clerkship.

Subspecialty areas include perinatology, neonatology, pediatric infectious disease, orthopedics, hematology-oncology, allergy and immunology, gastrointestinal disorders, cardiology, neurology, rheumatology, genitourinary disorders, genetic and endocrine-metabolic disorders. Pediatric physical diagnosis, accidents and poisonings, child abuse, sudden infant death and nutrition, as well as growth and development, dermatology, infectious disease and emergency medicine in pediatrics are presented. 4 semester hours, second and third years, semesters 4 and 5.

708. Core Clinical Clerkship in Pediatrics

A required four-week rotation in pediatrics, general and special pediatrics, including ICU and ICU nurseries and ambulatory care in a pediatric clinic. 4 semester hours.

808. Clinical Clerkship in Pediatrics
An elective four-week rotation in pediatrics. 4 semester hours.

DEPARTMENT OF PHARMACOLOGY

Harbans Lal, chairman
Professors
Elko *Lal*
Emmett-Oglesby *Lane*
Associate Professors
Quist *Yorio*
Assistant Professors
Forster *Martin*
Adjunct Associate Professors
Donahue *Schafer*
Mia
Adjunct Assistant Professor
De Santis
Adjunct Instructor
Hooper

5316. Medical Pharmacology
A review of fundamental principles of drug action in humans, including physiochemical principles, pharmacodynamics, pharmacokinetics and drug interactions. Common drug classes are presented, with emphasis on their principal actions, mechanisms of action, adverse reactions, contraindications and therapeutic applications. Small group problem-solving sessions, laboratory exercises, computer-assisted instructions and clinical case presentations are used to supplement classroom instruction. 8 semester hours, second year, semester 3.

DEPARTMENT OF PHYSIOLOGY

Carl E. Jones, chairman
Professors
Downey *Raven*
Jones, C. *Scheel*
Associate Professors
Barker *Gwirtz*
Caffrey *Kaman*
Gaugl *Sinclair*
Assistant Professors
Barron *Mallet*
Kutsky
Research Assistant Professors
Brandt *Gayheart*
Adjunct Professor
Wilson, J. E.
Adjunct Assistant Professor
Lund

5206. Neurobiology
Neuroanatomy, neurophysiology and neurochemistry; gross and fine structural study of the central and peripheral nervous system. Dissection of whole human brains. Coordinated lecture and laboratory program emphasizing normal structure and physiology of nervous system. Clinical case presentations are used to supplement classroom instruction. 5 semester hours, first year, semester 2.

5207. Medical Physiology
A study of the functions of the organ systems, with emphasis placed on homeostatic control mechanisms. The major organ systems are covered, as well as additional topics on applied physiology. Problem-solving sessions, laboratory exercises and clinical guest lectures are utilized. 9 semester hours, first year, semester 2.

Prerequisite: Biochemistry 5110 or equivalent.

DEPARTMENT OF PSYCHIATRY AND HUMAN BEHAVIOR

Harvey G. Micklin, chairman
Professor
Ahmed
Associate Professors
Hall *Micklin*
McGill *Ratliff*
Assistant Professor
Gage
Clinical Associate Professor
McKinney
Clinical Assistant Professors
Brick *Ma*
Brown *Nguyen*
Cox *Pham*
De Porter *Scarnati*
Furber *Turbeville*
Gross

6336. Principles of Psychiatry

Emphasis on holistic and behavioral medicine, including aspects of human sexuality and dysfunction. Growth and development, adaptation, personality functioning and symptom formation are presented. Psychiatric interview techniques, mental examination, psychological testing and recognition of a variety of psychopathological conditions are covered. Includes informed use of psychotropic drugs, other somatic treatments and psychiatric emergencies. 4 semester hours, second year, semesters 3 and 4.

709. Core Clinical Clerkship in Mental Health

A required four-week rotation in psychiatry. 4 semester hours.

809. Clinical Clerkship in Mental Health

An elective four-week rotation in psychiatry or mental health. 4 semester hours.

DEPARTMENT OF PUBLIC HEALTH AND PREVENTIVE MEDICINE

John G. Mills, chairman
Stanley Weiss, Vice chairman

Division of Health and Human Fitness

Scott Taylor, director
Associate Professors
Isaacman *Taylor, S. C.*
Mills *Weiss*
Assistant Professor
Blankenship
Clinical Associate Professor
Pollan
Clinical Assistant Professor
Malone

Division of Public Health/Community Medicine

Robert M. Woodworth, director
Associate Professor
Chng *Woodworth*
Assistant Professors
Curry *Licciardone*
Fridinger
Professor Emeritus
Ellis
Clinical Associate Professors
Allen *Steenkamp*
MacLean
Clinical Assistant Professor
Brobbey

Division of Rehabilitation/Sports Medicine

Alan R. Stockard, director
Associate Professor
Tepper
Assistant Professor
Stockard
Clinical Professor
English
Clinical Assistant Professors
Friedman *Krupp*
Kristoferson
Adjunct Instructor
Young, G.

The Department of Public Health and Preventive Medicine is a multidisciplinary academic unit concerned with the well-being of healthy patients and the prevention of functional loss and impairment in persons already at risk. The department has three divisions, each representing a significant aspect of the health-care needs and interests of the American public. Department faculty members participate in Developing Dimensions in Health Care, Osteopathic Clinical Practice and other interdepartmental courses.

805. Clinical Clerkship in Public Health and Preventive Medicine
An elective four-week rotation in public health and preventive medicine. 4 semester hours.

806. Clinical Clerkship in Health and Human Fitness
An elective four-week rotation in health and human fitness. 4 semester hours.

819. Clinical Clerkship in Rehabilitation/Sports Medicine
An elective four-week rotation in rehabilitation and sports medicine. 4 semester hours.

DEPARTMENT OF RADIOLOGY

Frederick M. Wilkins, chairman
Professor
Wilkins
Clinical Associate Professors
Bascone *Lancaster*
Bradley *Lively*
Briney *Nelson*
Dott, R. *Pearson*
Gabier *Podolsky*
Clinical Assistant Professors
Johnson, W. *Schellin*
Meahan *Ventling*
Rome

6571. Principles of Radiology
The study of the basic principles of diagnostic X-ray, CT scanning, ultrasound, nuclear medicine and radiation therapy; correlation of anatomy, physiology and pathology; and the clinical application of these methods of examination. 2 semester hours, third year, semester 5.

818. Clinical Clerkship in Radiology
An elective four-week rotation in radiology. 4 semester hours.

DEPARTMENT OF SURGERY

William R. Jenkins, chairman
Sam W. Buchanan, vice chairman
Professors
Hawes *Jenkins*
Associate Professors
Buchanan, S.W. *Tyler*
Assistant Professors
McFaul *Walker, T.*
Clinical Professor
Willard
Clinical Associate Professors
Calabria *Martz*
Dobson *Turner*
Fisher, R. B. *Wakim*
Glickfeld
Clinical Assistant Professors
Beyer, D. M. *Ross*
Brancel *Sabater*
Carter, R. A. *Smith, E.*
Crawford *Stone*
Hey *Sufian*
Hull *Swords*
McCarty, W. *Tuinstra*
Peska *Wallace, W.*
Powell *Weldon*
Quatro *Wilson, C.*

Section of Ophthalmology
Clinical Professor
Ranelle, H.
Clinical Associate Professors
Ranelle, B. *Van De Grift*
Clinical Assistant Professor
Cundari

Section of Otorhinolaryngology
Clinical Associate Professors
Brooks *Van De Grift*
Clinical Assistant Professor
Lowry

6460. Surgery Lecture Series
A basic course covering general surgery as well as thoracic and cardiovascular surgery, orthopedic surgery, urological surgery and neurosurgery. Nutritional support, critical care and basic surgical sciences also are presented. Following completion of the course, the students should be aware of common surgical problems and know the diagnostic and therapeutic regimens associated with each. Students should not only be able to correlate principles of the basic sciences to clinical conditions but also have solid foundations in the basic clinical knowledge necessary for competent patient management in their clinical rotations. The ophthalmology section is designed to give students an understanding of ocular anatomy and physiology and their relationship to common ocular disorders; examination techniques, diagnosis and treatment methods important to family physicians are emphasized. The otorhinolaryngology-facial plastic surgery section includes clinical diagnosis and therapy of disorders of the ear, nose, paranasal sinuses and throat, bronchoesophagology, respiratory allergy and diagnosis of head and neck neoplasms, including principles of examination and the use of diagnostic instruments and screening audiometers. 6 semester hours, second and third years, semesters 4 and 5.

710. Core Clinical Clerkship in Surgery
A required eight-week clerkship in surgery in an affiliated hospital. Students spend four weeks focusing on general surgery principles and procedures, and two weeks studying orthopedics. The remaining two weeks are spent in one of the following subspecialty areas: neurosurgery, cardiovascular/thoracic surgery, ophthalmology, otorhinolaryngology/ facial plastic surgery and urology. 8 semester hours.

810. Clinical Clerkship in Surgery
An elective four-week clerkship in surgery in an affiliated hospital. 4 semester hours.

832. Clinical Clerkship in Orthopedics
An elective four-week rotation in orthopedics. 4 semester hours.

833. Clinical Clerkship in Thoracic Surgery
An elective four-week rotation in thoracic surgery. 4 semester hours.

834. Clinical Clerkship in Neurosurgery
An elective four-week rotation in neurosurgery. 4 semester hours.

835. Clinical Clerkship in Urology
An elective four-week rotation in urology. 4 semester hours.

816. Clinical Clerkship in Otorhinolaryngology
An elective four-week rotation in otorhinolaryngology. 4 semester hours.

INTERDISCIPLINARY STUDIES

9186. Osteopathic Clinical Practices I

The philosophy and principles of osteopathic medicine are introduced. Students explore fundamentals of osteopathic palpatory assessment and manipulative treatment. Students also learn how to interact with patients, using basic interviewing techniques, in order to obtain information concerning health problems and family histories. Students also are introduced to acute/basic life support techniques. Coordination is provided by the Department of General and Family Practice. 5 semester hours, first year, semester 1.

9191. Developing Dimensions in Health Care I

An introduction to processes and procedures influencing health care delivery on community and individual levels, including economic and sociolcultural influences. Shifts in health care toward health promotion and disease prevention and the functions of other health-related disciplines in the coordinated delivery of comprehensive care are presented. Students participate in a series of workshops chosen from a large variety of topics, such as hypnosis, tobacco dependency and stress management. Coordination is provided by the Department of Public Health and Preventive Medicine. 3 semester hours, first year, semester 1.

9287. Osteopathic Clinical Practices II

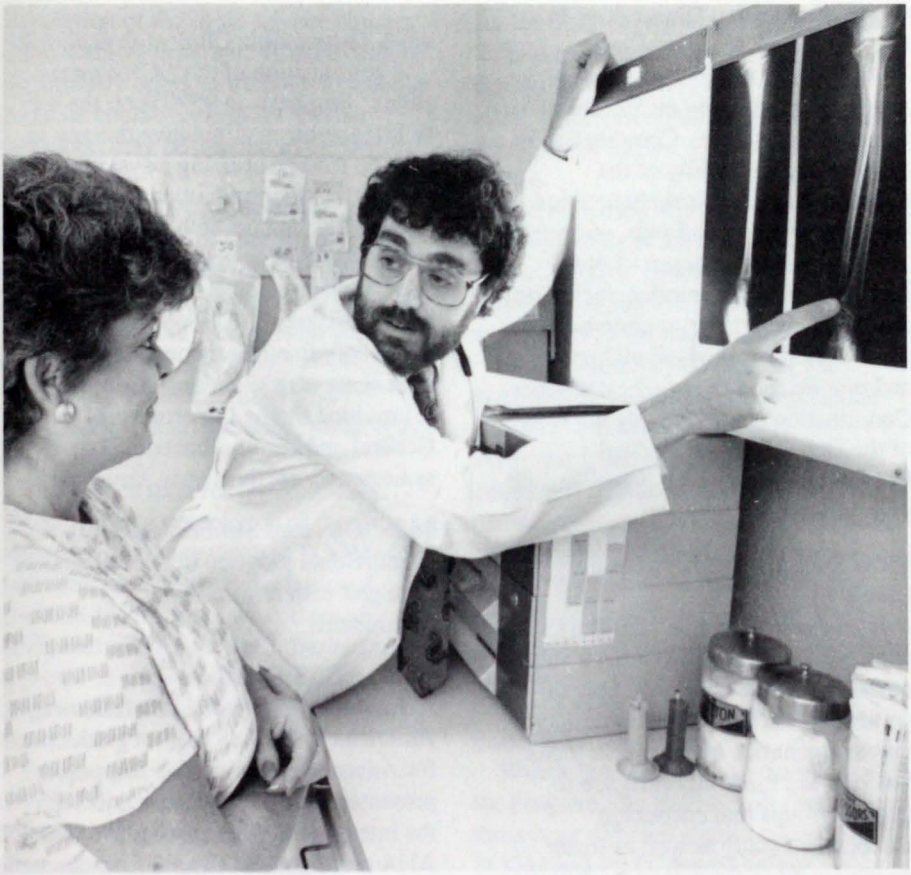
Students continue physical assessment of the patient through physical examination and osteopathic palpatory assessment correlated by major organ systems wherever possible. Lectures are coupled with practice training sessions. In many sessions students interact with simulated patients in the context of physical data collection. Clinical problems are periodically integrated with the normal findings. The osteopathic assessment begun in OCP 9186 continues to address treatment through the refinement of soft tissue and muscle energy skills. Coordination is provided by the Department of General and Family Practice. 8 semester hours, first year, semesters 1 and 2.

9292. Developing Dimensions in Health Care II

A continuation of 9191 with additional emphasis on the basics of nutrition and the influence of nutrition on health and disease processes. Coordination is provided by the Department of Public Health and Preventive Medicine. 3 semester hours, first year, semesters 1 and 2.

9388. Osteopathic Clinical Practices III

A continuation of the OCP course series. During 9186 and 9287, students were introduced to the normal findings of physical assessment. During OCP 9388, students begin the study of common abnormal findings. Lectures on physical diagnosis and manipulative medicine are coupled with laboratories and practice training sessions. Students also complete assignments with a community-based physician and at community health care facilities. Emphasis in 9388 is on H&P interviewing and recording, skin, HEENT, respiratory system, cardiovascular system and the gastrointestinal system. Coordination is provided by the Department of General and Family Practice. 6 semester hours, second year, semester 3.



9393. Developing Dimensions in Health Care III

A lecture series in preventive medicine and community health. Major content areas include communicable disease control, environmental health, occupational medicine, epidemiology and biostatistics. Students also participate in a series of health care workshops designed to provide additional insight and practical experience in selected areas of personal interest. Coordination is provided by the Department of Public Health and Preventive Medicine. 3 semester hours, second year, semester 3.

9489. Osteopathic Clinical Practices IV

A continuation of the OCP course series. Emphasis in 9489 is on the reproductive system, the musculoskeletal and nervous system, and the integration of clinical nutrition and patient education in each patient encounter. In the last weeks of this course, the student is expected to demonstrate competence in completing a full H&P on both pediatric- and geriatric-simulated patients. Coordination is provided by the Department of General and Family Practice. 8 semester hours, second year, semester 4.

9494. Developing Dimensions in Health Care IV

Biomedical Ethics - A required weekly discussion on major ethical issues in health care. Coordination is provided by the faculty of the Department of Medical Humanities. 1 semester hour, second year, semester 4.

Medical Jurisprudence - Legal aspects of medical practice, including medical-legal reports, requirements for court testimony, medical malpractice and organization of a medical practice. Coordination is provided by the faculty of the Department of Medical Humanities. 2 semester hours, second year, semester 4.

9584. Medical Decision Making (elective)

In this course, taught jointly by the clinical faculty, students learn a core of problem-solving behavior: how to gather and sift data, develop problem lists and generate management plans. Students are randomly assigned to tutorial groups that encourage independent study as well as foster development of those teamwork skills necessary in medical practice. Each tutorial group approaches a series of patient problems. The members of the group collaborate in data gathering and sifting. They then review data and select the best available resources from which to learn the appropriate medical content for a competent solution to the patient's problems. Sharing this information, they work together in drafting a high-quality management plan for each problem. The students learn to access an information bank with thoroughness, accuracy and efficiency. In this problem-solving format, students learn the lifetime skill of teaching themselves medicine. 1 semester hour, third year, semester 5.

9590. Osteopathic Clinical Practices V

A continuation of the OCP course series. Emphasis in 9590 is on the use of osteopathic manipulative therapy in organic disease utilizing a systems approach. An introduction to advanced cardiac life support with emphasis upon synthesizing basic science information such as pharmacology (drug therapy) and physiology (EKG interpretation) into a coordinated approach in dealing with acute care situations. Coordination is provided by the Department of General and Family Practice. 3 semester hours, third year, semester 5.

9685. Directed Studies (elective)

Individual program of special studies, arranged with any academic department.

9883. ACLS Certification

An intensive presentation following American Heart Association guidelines for Advanced Cardiac Life Support is presented to fourth-year students with the intention of their gaining national AHA certification. Coordination is provided by faculty from the Division of Emergency Medicine. 1 semester hour, fourth year, semester 8.

DUAL-DEGREE PROGRAMS

Dual M.S./D.O. Program

Selected TCOM students who seek the M.S. degree concurrently with the D.O. degree may use summer sessions, as well as optional clinical rotations, for the necessary graduate course work and thesis research. Alternatively, the student may petition TCOM's vice president for academic affairs and dean for a withdrawal at an appropriate time in the medical curriculum to complete requirements for the M.S. degree. The withdrawal would normally follow

completion of the basic science courses in the medical program. A maximum of six semester hours of acceptable transfer graduate course work from another institution may be applied to the degree plan.

The TCOM/UNT program is interdisciplinary, with the degree plan individually designed for the specific needs of the student. The M.S. degree, conferred by UNT, is available with concentrations in anatomy, biochemistry, microbiology and immunology, pharmacology, toxicology and physiology.

The degree requires the following: (1) satisfactory completion of the first two years of course work at TCOM; (2) a minimum of 18 semester hours of graduate-level course work through UNT, including a six-hour thesis; and(3) approval of the student's advisory committee and UNT's graduate school dean.

Prospective students must contact UNT's Department of Biomedical Sciences chairman during the early planning stages about specific requirements in each of the divisions.

Dual D.O./Ph.D. Program

This dual-degree program is an excellent education for students who wish to pursue careers in research and/or academic medicine. It introduces student physicians to modern research techniques and methodologies, which will reinforce a basic understanding of clinical techniques and procedures. Such a combination enables each D.O./Ph.D. candidate to carry out fundamental research programs in clinically relevant areas.

The program normally takes six years. At the end of this time, the student physician is expected to have completed the curriculum requirements for the D.O. degree in accordance with TCOM policies and for the Ph.D. degree in accordance with policies of UNT's graduate school and the relevant departments as they apply to the second degree.

The following description is the general format of the dual-degree D.O./Ph.D. program; however, deviations from this format that meet the curriculum requirements are available.

Within the first two years of the program, the student will complete the first five semesters of the D.O. curriculum, including all basic science courses. The student also will gain admission to the UNT Graduate School, select a graduate advisory committee and file an approved graduate degree plan of at least 45 credit hours. The student will be required to pass Part I of the examination administered by the National Board of Osteopathic Examiners.

Within the second two-year block of the program, the student will complete a three-hour directed studies course at TCOM and Ph.D. degree course requirements, except the dissertation. The student will be required to pass the qualifying examination for the Ph.D. degree and have the approved dissertation research well on the way.

Within the last two years of the program, the student will complete the required clinical rotations and electives for the D.O. degree. The student will be required to pass Part 2 of the National Board examination and defend the Ph.D. dissertation.

Areas of specialization in the program are anatomy and cell biology, biochemistry and molecular biology, microbiology and immunology, pharmacology and physiology. The 45 UNT credit hours required to earn the Ph.D. degree are different for each area.

Graduate course work and dissertation research may be carried out on the TCOM campus in Fort Worth and/or the UNT campus in Denton.

Students interested in the dual-degree D.O./Ph.D. program should contact the office of Biomedical Sciences and Graduate Students at TCOM.

OTHER GRADUATE DEGREE PROGRAMS

TCOM faculty members participate in both master of science and doctor of philosophy degree programs in several basic science areas for non-medical students through the University of North Texas Toulouse School of Graduate Studies.

The M.S. program normally involves the UNT Department of Biomedical Sciences, and students are encouraged to contact the UNT department chairman's office for details. The Ph.D. programs are offered through the appropriate doctoral degree-granting department at UNT, including biochemistry, biological sciences and psychology, or the Federation of North Texas Area Universities' program in molecular biology. For details, consult the UNT Graduate Bulletin, as well as the appropriate department at TCOM.

Individuals who have already earned the D.O. degree and who may be interested in pursuing the Ph.D. degree should contact UNT's graduate school dean for further information.

Consult the UNT Graduate Bulletin for details on all joint graduate programs.

Financial support may be available through private foundations, as well as through state and federally supported grant funds that have been awarded to the faculty.

POSTGRADUATE PROGRAMS

Residency Program in Anesthesiology

TCOM offers an American Osteopathic Association-approved residency program for training qualified osteopathic physicians in the practice of anesthesiology, as defined by the American Osteopathic Board of Anesthesiology. The practice of anesthesiology is defined as consisting of and including that branch of medical science, art and practice that deals with the use of anesthetic agents and the care of complications incident to their use.

The TCOM program provides the educational requirements to qualify the resident for membership in the American Osteopathic College of Anesthesiologists and for eventual examination by the American Osteopathic Board of Anesthesiology pursuant to certification in anesthesiology.

Residency Program in General and Family Practice

TCOM offers an American Osteopathic Association-approved residency program for training qualified osteopathic physicians in general practice.

The TCOM program is associated with five affiliated hospitals. Certification in general practice requires a three-year program that includes a rotating internship as the first year of the residency (effective July 1, 1988). The program provides the educational requirements to qualify residents for membership in the American College of Osteopathic General Practitioners and for eventual examination by the American Board of Osteopathic General Practitioners to pursue certification in general practice.

Residency Program in General Internal Medicine

TCOM offers an American Osteopathic Association-approved residency program for training qualified osteopathic physicians in the practice of general internal medicine.

The TCOM program provides the educational requirements to qualify the resident for membership in the American College of Osteopathic Internists and for eventual examination by the American College of Osteopathic Internists pursuant to certification in general internal medicine.

Residency Program in Neuropsychiatry

TCOM offers an American Osteopathic Association-approved residency program for training qualified osteopathic physicians in the practice of neuropsychiatry.

The TCOM program provides the education requirements to qualify the resident for membership in the American College of Neuropsychiatrists and for eventual examination by the American Osteopathic Board of Neurology and Psychiatry pursuant to certification in neuropsychiatry.

Residency Program in Obstetrics/ Gynecology

TCOM offers an American Osteopathic Association-approved residency program for training qualified osteopathic physicians in the practice of obstetrics and gynecology.

The TCOM program provides the education requirements to qualify the resident for membership in the American College of Osteopathic Obstetricians and Gynecologists and for eventual examination by the American Osteopathic Board of Obstetrics and Gynecology pursuant to certification in Obstetrics and Gynecology.

Residency Program in Surgery

TCOM offers an American Osteopathic Association-approved residency program for training qualified osteopathic physicians in the practice of general surgery.

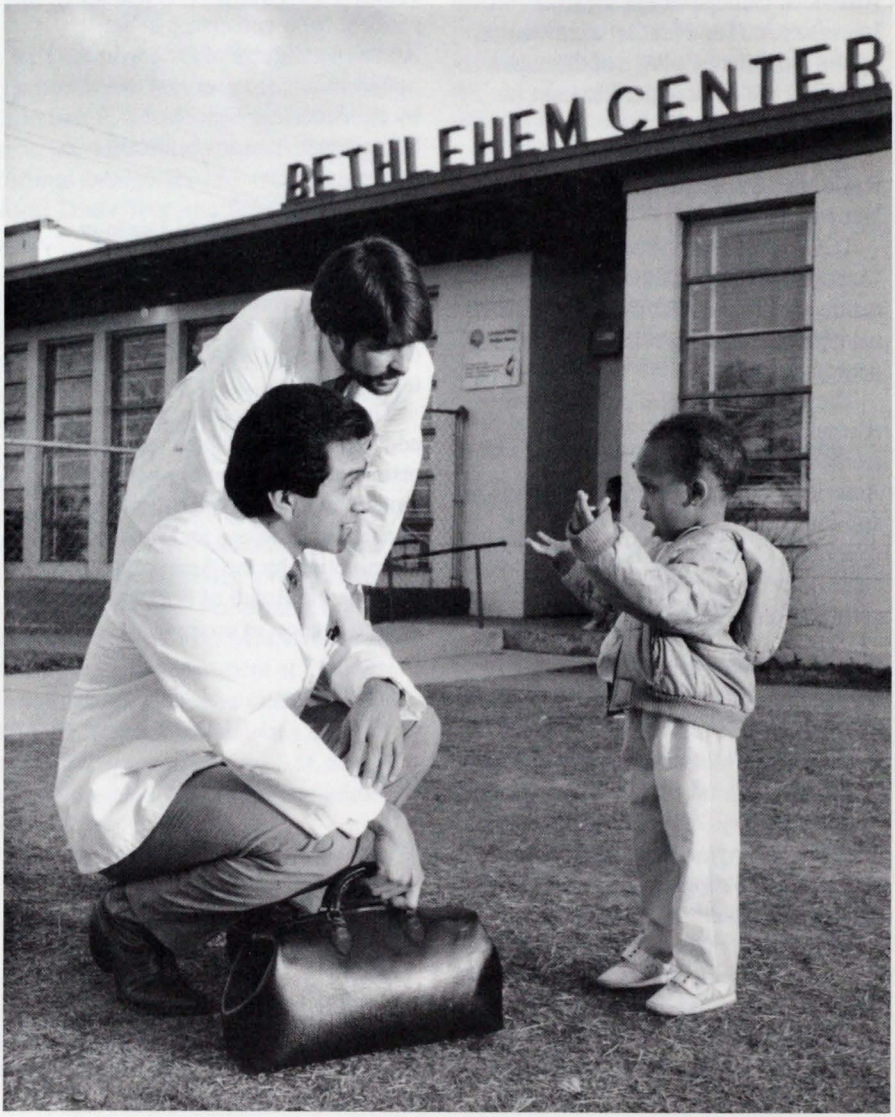
The TCOM program provides the educational requirements to qualify the resident for membership in the American College of Osteopathic Surgeons and for eventual examination by the American Osteopathic Board of Surgery pursuant to certification in surgery.

Residency Program in Urology

TCOM offers an American Osteopathic Association-approved residency program for training qualified osteopathic physicians in the practice of urology.

The TCOM program provides the educational requirements to qualify the resident for membership in the American College of Osteopathic Surgeons (Urology) and for eventual examination by the American Osteopathic Board of Surgery pursuant to certification in urology.

5 STUDENT AFFAIRS



OFFICE OF STUDENT AFFAIRS

The Office of Student Affairs provides assistance to students from the time they apply for admission to TCOM through matriculation to graduation so as to facilitate their academic training, personal growth and development.

This office assists the president of the college in interpreting student needs, in creating an atmosphere that stimulates learning and in integrating extracurricular experiences into the formal learning programs.

The goals of this office are to encourage student participation in and contribution to the total college program, to establish and coordinate a system of student academic advisement, and to interpret college regulations on academic and non-academic matters to students. The Office of Student Affairs includes academic assistance, financial aid and the registrar.

Guidance, Counseling and Academic Advisement

Guidance involves the collection and dissemination of information regarding students' needs and interests. Student forums are scheduled with each class at various times during the academic year to provide opportunities for students, administration, faculty and staff to discuss areas of interest and concern. An orientation program is scheduled each fall to provide freshmen with an opportunity to meet their classmates, faculty and administration in a non-classroom situation, and to provide information and details about important aspects of the curriculum and the college.

A two-day learning strategies workshop also is provided for incoming freshmen preceding orientation. This program includes training in note-taking and test-taking as well as specific study skills pertinent to fall semester courses. A follow-up workshop occurs in January to assist first-year students in preparing for the spring semester courses.

Counseling referrals for discussion of personal problems for students and their families are available through the Employee Assistance Program (EAP). For more information, contact the Office of Student Affairs.

Academic advisement services are available by appointment or on a walk-in basis. These services include counseling in learning-skills effectiveness, time management, test-taking skills and a tutorial program. The Office of Student Affairs works closely with both preclinical and clinical sciences faculty and the Office of Academic Affairs to provide direction and support in periods of academic difficulty, to plan alternate programs and to assist in reassessment of priorities.

ID Cards

TCOM identification cards are issued during fall registration.

Housing

TCOM does not have student housing available. Students are responsible for making their own living arrangements.

Health Services

TCOM students and their dependents may use, by appointment, the health-care services of the Central Family Practice Clinic in Medical Education Building 1 at no charge, except for laboratory procedures and drugs (on a cost basis). Insurance claims will be filed. Referrals to specialty areas will be made as needed through the Central Family Practice Clinic on the same basis.

All students are expected to provide for their own health-care coverage while attending TCOM. More information is available from the Office for Student Affairs.

Food Service

Food is available from vending machines in the TCOM academic buildings and the Activity Center, and a number of restaurants are within walking distance of the campus.

STUDENT ACTIVITIES

Sports

Recreational activities at TCOM are available in the Activity Center as well as through softball, basketball and volleyball teams.

Organizations

Students may participate in a variety of organizations, which include (but are not limited to):

- American Osteopathic Association
- Baha'i Club
- Christian Medical Society
- National Osteopathic Women Physicians Association
- Emergency Medicine Association

- Mexican-American Medical Student Organization
- Multicultural Medical Students Association
- Phi Beta Pi, national social medical fraternity
- Psi Sigma Alpha, national osteopathic honor society
- Sigma Sigma Phi, honorary service fraternity
- Society for the Advancement of Osteopathic Medicine
- Student Chapter of the American College of General Practitioners in Osteopathic Medicine and Surgery
- Student Government Association
- Speculum (yearbook)
- Student Associate Auxiliary
- Student Osteopathic Medical Association
- Surgery Club
- Undergraduate American Academy of Osteopathy
- Undergraduate Academy of Sports Medicine

HONORS AND AWARDS

Each year students are either selected or elected to receive numerous honors and awards in the areas of academic performance, research and service to the community and the profession. More information is available from the Office of Student Affairs.

SCHEDULING EVENTS

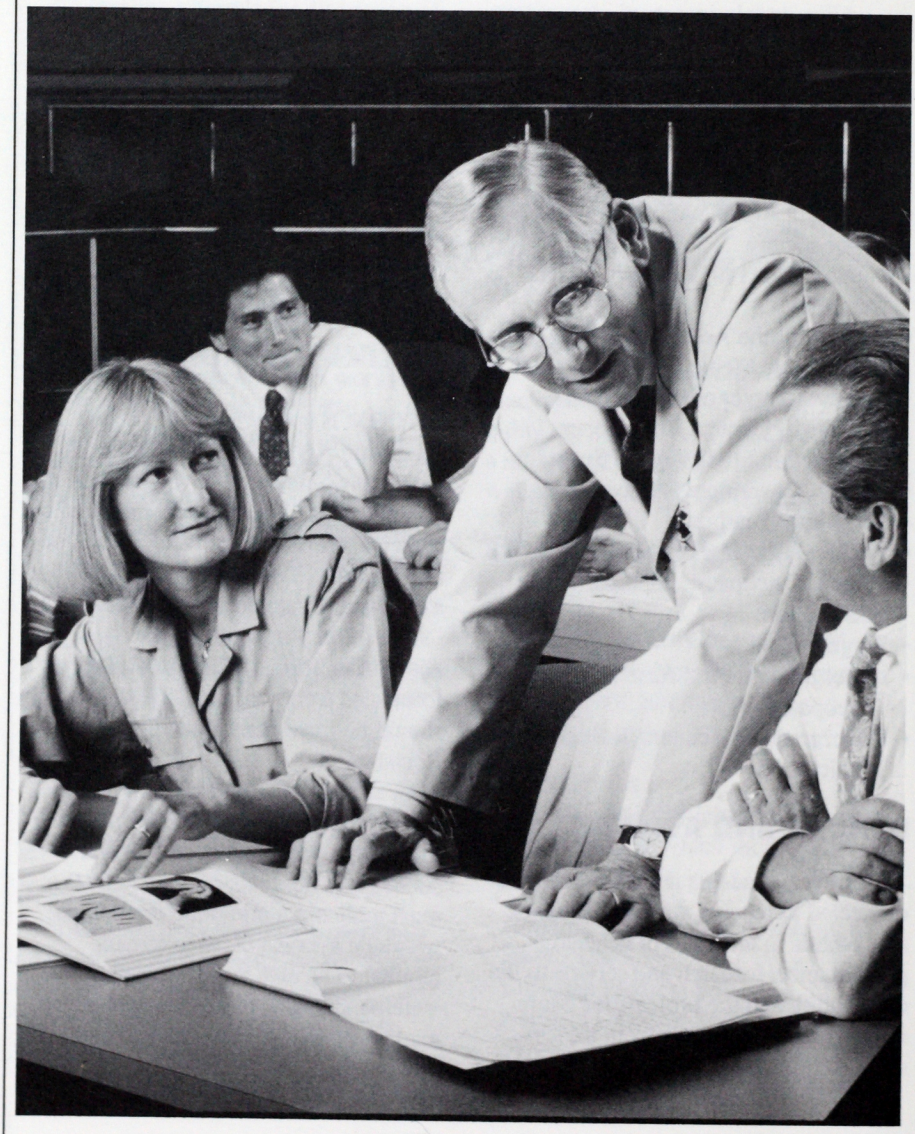
Student organizations may schedule extracurricular seminars, programs and guest lectures. All activities must be scheduled with the Office of Student Affairs. Reservation forms are submitted to the special events coordinator of the college for official approval and facilities scheduling.

MILITARY AFFAIRS

TCOM is approved by the Texas Education Agency for the training of men and women who have served in the armed forces. Assistance is provided to students who are on active duty or who are veterans. To establish eligibility for assistance, a veteran should contact the Office of the Registrar for the appropriate forms. The completed forms and a copy of Form DD-214 should be forwarded to the Office of the Registrar.

Veterans wishing to continue their benefits at TCOM should complete a Transfer of Training Application and submit it to the registrar. A student must maintain a minimum cumulative weighted average of 70 to remain eligible to receive veteran's benefits. Veteran's benefit payments may not be made during any period of academic probation.

6 FACULTY



FACULTY*

Adams, Robert C., D.O.
Associate Professor and Acting Chairman,
Obstetrics and Gynecology;
B.S. Northeast Missouri State University,
D.O. Kirksville College of Osteopathic Medicine

Ahmed, Bashir, M.D.
Professor, Psychiatry and Human Behavior;
B.S. Osmania University,
M.D. Karachi University

Alexander, Jerry, Ph.D.
Associate Professor, Medical Education;
B.S. Pennsylvania State University,
M.Ed. and Ph.D. University of Southern Mississippi

Alvarez-Gonzalez, Rafael, Ph.D.
Assistant Professor,
Microbiology and Immunology;
B.S. Universidad de Michoacan,
M.S. and Ph.D. University of North Texas

Anderson, J. Warren, Ed.D.
Associate Professor and Associate Dean,
Medical Education;
Executive Assistant to the President;
B.S. Iowa State University,
M.S. San Diego State University,
Ed.D. Indiana University

Aschenbrenner, John E., Ph.D.
Associate Professor, Anatomy;
B.S. Iona College,
M.S. Rutgers University,
Ph.D. Baylor University

Baldwin, Richard B., D.O.
Associate Professor and Acting Chairman,
General and Family Practice;
B.S. University of Oklahoma,
D.O. University of Health Sciences

Barker, David J., Ph.D.
Associate Professor, Medical Education;
Associate Professor, Physiology;
B.A. Hofstra University,
M.A. and Ph.D. University of Illinois

Barron, Barbara, Ph.D.
Assistant Professor, Physiology;
B.S. Creighton University College of Pharmacy,
Ph.D. University of Nebraska Medical Center

Barrow, William Wesley, Ph.D.
Associate Professor, Microbiology and Immunology;
B.S. Midwestern State University,
M.S. University of Houston,
Ph.D. Colorado State University

Blackwell, Deborah L., D.O.
Assistant Professor, Pediatrics;
B.A. University of Texas at Austin,
D.O. Texas College of Osteopathic Medicine

Blais, Francis X., D.O.
Associate Professor, Medicine;
B.A. Northeastern University,
D.O. Philadelphia College of Osteopathic Medicine

Blankenship, Ann, Ph.D., R.D., L.D.
Assistant Professor, Public Health and Preventive Medicine
(Health and Human Fitness);
B.S. Texas Christian University,
M.S. and Ph.D. Texas Woman's University

Bleicher, Jeff, D.O.
Associate Professor, Medicine;
B.S. Muhlenberg College,
D.O. University of Osteopathic Medicine and Health Sciences

Bourdage, Robert J., Ph.D.
Assistant Professor, Anatomy;
B.A. and Ph.D. University of Washington

Bowling, John R., D.O.
Acting Vice Chairman and
Associate Professor,
General and Family Practice;
B.S. Ohio University,
D.O. Kirksville College of Osteopathic Medicine

Brandt, Marilyn A., Ph.D.
Research Assistant Professor, Physiology;
B.S. University of California at Davis,
Ph.D. Michigan State University

Browne, Carol S., D.O.
Assistant Professor,
General and Family Practice;
B.A. Southwestern University,
D.O. Texas College of Osteopathic Medicine

*as of July 1, 1990

Buchanan, Sam W., D.O.
Associate Professor, Surgery;
B.S. Texas Christian University,
D.O. Texas College of Osteopathic Medicine

Buchanan, Steve P., D.O.
Assistant Professor,
Obstetrics and Gynecology;
B.S. University of Texas at Arlington,
D.O. Texas College of Osteopathic Medicine

Budd, M. L., Ph.D.
Assistant Professor, Medical Education;
B.A. Albion College,
M.S. University of Michigan,
Ph.D. Michigan State University

Caffrey, James L., Ph.D.
Associate Professor, Physiology;
A.B. Rutgers University,
Ph.D. University of Virginia

Cammarata, Patrick R., Ph.D.
Associate Professor, Anatomy;
B.S. State University of New York at Stony Brook,
Ph.D. Hunter College, City University of New York

Carnes, James E., Ph.D.
Associate Professor, Anatomy;
B.A. Baylor University,
B.S. University of Texas at Arlington,
M.A. and Ph.D. University of North Texas

Carter, John E., Jr., D.O., F.A.C.G.P.
Associate Professor,
General and Family Practice;
B.S. Wayne State University,
D.O. Chicago College of Osteopathic Medicine

Chapman, John M., D.O., F.A.C.O.G.
Associate Professor,
Obstetrics and Gynecology;
B.S. Northeast Missouri State University,
D.O. Kirksville College of Osteopathic Medicine

Chng, Chwee Lye, Ph.D.
Associate Professor,
Public Health and Preventive Medicine (Public Health/Community Medicine);
B.A. and M.Ed. University of Malaya,
Ph.D. University of Wisconsin-Madison

Clark, William H., Jr., D.O.
Associate Professor,
General and Family Practice;
B.S. Baylor University,
D.O. University of Health Sciences

Clearfield, Michael B, D.O.,F.A.C.O.I.
Associate Professor and Chairman, Medicine;
B.S. Albright College,
D.O. Chicago College of Osteopathic Medicine

Coffelt, Ken
Assistant Professor, Medical Education;
Assistant Vice President for Administrative Affairs;
B.S. and M.S. University of Oklahoma

Cohen, Jack B., D.O.
Assistant Professor,
Dermatology;
B.S. Adelphi University,
D.O. Texas College of Osteopathic Medicine

Cook, Paul F., Ph.D.
Professor and Chairman,
Microbiology and Immunology,
B.A. Our Lady of the Lake College,
Ph.D. University of California at Riverside

Courtney, Reni, R.N., Ph.D.
Research Associate Professor,
General and Family Practice;
B.S., M.S. and Ph.D. Texas Woman's University

Cunningham, Linda F., M.D.
Assistant Professor, Pathology;
B.S. University of Alabama,
M.D. Vanderbilt University

Curry, Nick U., M.D
Assistant Professor,
Public Health and Preventive Medicine (Public Health/Community Medicine);
A.B. Talladega College,
M.S. University of Georgia,
M.P.H. University of Alabama at Birmingham,
M.D. Baylor College of Medicine

Deagle, John H., Ph.D., D.O., F.A.C.O.E.P.
Associate Professor, General and Family Practice (Emergency Medicine);
B.S. Rensselaer Polytechnic Institute,
Ph.D. University of Tennessee,
D.O. University of Osteopathic Medicine and Health Sciences

DeLisle, Henry, D.O.
Assistant Professor,
General and Family Practice;
B.S. Loyola University,
D.O.Chicago College of Osteopathic Medicine

DeLisle, Katherine Reh, D.O.
Assistant Professor,
General and Family Practice;
B.S. Loyola University,
M.S. Texas Tech University,
D.O. Chicago College of Osteopathic Medicine

Dickey, Jerry, D.O.
Associate Professor and Chairman,
Manipulative Medicine;
B.S. Texas Wesleyan University,
D.O. Kirksville College of Osteopathic Medicine

Dimitrijevich, Slobodan D., Ph.D.
Research Assistant Professor, Biochemistry;
B.S. and Ph.D. University of Bath

Dott, Gregory A., D.O.
Assistant Professor, Manipulative Medicine;
B.S. Texas Lutheran College,
D.O. Texas College of Osteopathic Medicine

Downey, H. Fred, Ph.D.
Professor, Physiology;
B.S. and M.S. University of Maryland,
Ph.D. University of Illinois at Urbana-Champaign

Dzandu, James K., Ph.D.
Assistant Professor, Anatomy;
B.S. and M.S. University of Ghana,
Ph.D. Wayne State University

Easom, Richard A., Ph.D.
Assistant Professor, Biochemistry;
B.S. University of Bath,
Ph.D. University of Glasgow

Eisenberg, Arthur J., Ph.D.
Associate Professor, Pathology;
B.S., M.S. and Ph.D. State University of New York at Albany

Elko, Edward E., Ph.D.
Professor, Pharmacology;
Interim Associate Dean, Student Affairs;
B.S. University of Scranton,
Ph.D. University of Tennessee Medical Units

Emmett-Oglesby, Michael, Ph.D.
Professor, Pharmacology;
B.A. University of Chicago,
Ph.D. State University of New York at Buffalo

Faigin, Nancy, D.O.
Associate Professor, General and Family Practice (Substance Abuse);
Director, Substance Abuse Division;
B.S. Texas Wesleyan University,
D.O. University of Health Sciences

Falbey, Frank B., D.O.
Associate Professor,
General and Family Practice;
D.O. Philadelphia College of Osteopathic Medicine

Fedorko, Steve, Ph.D.
Assistant Professor, Medicine;
B.A., M.A. and Ph.D. University of Texas at Arlington

Fisher, Russell G., D.O.
Assistant Professor, Medicine;
B.S. St. John's University of New York,
D.O. Philadelphia College of Osteopathic Medicine

Flanagan, Gerald P., D.O., F.A.C.G.P.
Associate Professor,
General and Family Practice;
D.O. University of Health Sciences

Foresman, Brian H., D.O.
Assistant Professor, Medicine;
B.S. and D.O. Michigan State University

Forster, Michael J., Ph.D.
Assistant Professor, Pharmacology;
B.A. Muhlenberg College,
M.A. and Ph.D. Bowling Green State University

Fridinger, Frederick W., Dr.PH
Assistant Professor,
Public Health and Preventive Medicine (Public Health/Community Medicine);
B.S. Towson State University,
M.S. Louisiana State University,
Dr.PH University of South Carolina

Gage, Gloria A., D.O.
Assistant Professor,
Psychiatry and Human Behavior;
D.O. Texas College of Osteopathic Medicine

Gallehugh, Clyde, D.O., F.A.O.C.A.
Professor, Anesthesiology;
Professor and Chairman,
Medical Humanities;
B.S. University of Kansas,
D.O. University of Health Sciences

Gamber, Russell G., D.O.
Associate Professor, Manipulative Medicine;
Director, Center for Osteopathic Research and Education;
B.A. West Virginia University,
D.O. Kirksville College of Osteopathic Medicine

Gaugl, John F., Ph.D.
Associate Professor, Physiology;
B.A. and M.A. University of North Texas,
Ph.D. University of California at Berkeley

Gayheart, Pamela, Ph.D.
Research Assistant Professor, Physiology;
B.A. University of North Carolina
Ph.D. Bowman Gray School of Medicine,
Wake Forest University

Gilfillan, Bruce G., D.O.
Associate Professor and Chairman,
Pediatrics;
B.A. University of Pennsylvania,
D.O. Philadelphia College of Osteopathic Medicine

Gleason-Wynn, Patricia E.
Instructor, Medicine;
B.S. Niagra University,
M.S. University of Texas at Arlington

Gracy, Robert W., Ph.D.
Professor and Chairman, Biochemistry;
B.S. California State Polytechnic University,
Ph.D. University of California at Riverside

Graitzer, Howard, D.O., F.A.C.O.I.
Associate Professor, Medicine;
B.S. Pennsylvania State University,
D.O. Philadelphia College of Osteopathic Medicine

Gramer, Jack H., D.O., F.A.A.O.
Associate Professor,
Manipulative Medicine;
B.S. Texas Wesleyan University,
D.O. University of Health Sciences

Grant, Stephen R., Ph.D.
Assistant Professor, Biochemistry;
B.A. Westmar College,
M.S. and Ph.D. University of Tennessee

Gratch, Jack O., D.O.
Associate Professor, Medicine;
B.S. Philadelphia College of Pharmacy and Science,
D.O. Philadelphia College of Osteopathic Medicine

Gwirtz, Patricia A., Ph.D.
Associate Professor, Physiology,
B.S. Drexel University,
Ph.D. Thomas Jefferson University

Hall, James R., Ph.D.
Associate Professor,
Psychiatry and Human Behavior;
B.A. University of Iowa,
Ph.D. University of Nevada at Reno

Harakal, John H., D.O., F.A.A.O.
Professor, Manipulative Medicine;
B.S. Bowling Green State University,
D.O. Kirksville College of Osteopathic Medicine

Harris, Ben G., Ph.D.
Professor, Biochemistry;
Associate Dean, Research;
B.S. Southwestern Oklahoma State University,
M.S. and Ph.D. Oklahoma State University

Harris, Elizabeth F., Ph.D.
Associate Professor,
Microbiology and Immunology;
B.A. Texas Wesleyan University,
M.A. Texas Christian University,
Ph.D. University of Texas Southwestern Medical Center at Dallas

Hawes, Charles M., D.O., F.A.C.O.S., F.A.O.A.O.
Professor, Surgery;
D.O. Kirksville College of Osteopathic Medicine

Hooper, C. Dan
Instructor, General and Family Practice;
B.S. University of Oklahoma

Isaacman, Scott H., D.O.
Associate Professor, Public Health and Preventive Medicine
(Health and Human Fitness);
B.A. and M.S. Temple University,
D.O. Philadelphia College of Osteopathic Medicine

Jackson, Fredrick L., Ph.D.
Assistant Professor, Anatomy;
B.S. University of Wyoming,
Ph.D. University of Texas Health Science Center at Houston

Jacobson, Elaine, Ph.D.
Associate Professor, Medicine;
B.S. and Ph.D. Kansas State University

Jacobson, Myron K., Ph.D.
Acting chairman, Anatomy and Cell Biology;
Professor, Biochemistry;
B.S. University of Wisconsin at Platteville,
Ph.D. Kansas State University

Jenkins, Constance I., D.O.
Associate Professor, General and Family Practice;
D.O. Kirksville College of Osteopathic Medicine

Jenkins, William R., D.O., F.A.C.O.S.
Professor and Chairman, Surgery;
B.S. Texas Wesleyan University,
D.O. Kirksville College of Osteopathic Medicine

Jones, Carl E., Ph.D.
Professor and Chairman, Physiology;
Associate Dean, Basic Sciences;
B.S. William Carey College,
Ph.D. University of Mississippi School of Medicine

Kahn, Hyman, D.O., F.A.O.C.A.
Associate Professor, Anesthesiology;
D.O. Kirksville College of Osteopathic Medicine

Kaman, Robert L., Ph.D.
Associate Professor, Physiology;
A.B. University of Pennsylvania,
M.S. and Ph.D. Virginia Polytechnic Institute

Knebl, Janice A., D.O.
Assistant Professor, Medicine;
B.S. St. Joseph's University,
D.O. Philadelphia College of Osteopathic Medicine

Koss, Richard W., D.O.
Assistant Professor, Manipulative Medicine;
B.S. Springfield College,
D.O. Kirksville College of Osteopathic Medicine

Krouse, Marc Andrew, M.D.
Assistant Professor, Pathology;
B.S. Texas A&M University,
M.D. University of Texas Southwestern Medical Center at Dallas

Kudchodkar, B. J., Ph.D.
Research Associate Professor, Biochemistry;
B.S. University of Bombay,
M.S. University of Punjab,
M.S. and Ph.D. University of Saskatchewan

Kulkarni, Gopal, Ph.D.
Research Assistant Professor, Biochemistry;
B.S. Karnatak University,
Ph.D. Indian Institute of Science

Kutsky, Phyllis, Ph.D.
Assistant Professor, Physiology;
A.B. Oberlin College,
M.A. University of Texas Southwestern Medical Center at Dallas,
Ph.D. University of California at Berkeley

Lacko, Andras G., Ph.D.
Professor, Biochemistry;
B.S.A. and M.S. University of British Columbia,
Ph.D. University of Washington

Lal, Harbans, Ph.D., F.A.C.C.P.
Professor and Chairman, Pharmacology;
B.S. Punjab University,
M.S. University of Kansas,
Ph.D. University of Chicago

Lane, John D., Ph.D.
Professor, Pharmacology;
B.A. Indiana University,
Ph.D. Indiana University School of Medicine

Leppi, T. John, Ph.D.
Professor, Anatomy;
Associate Dean for Admissions;
B.A. Albion College,
Ph.D. Yale University

Levine, Alan, D.O.
Associate Professor, Pediatrics;
B.S. Drexel University,
D.O. Philadelphia College of Osteopathic Medicine

Licciardone, John C., D.O.
Assistant Professor, Public Health and Preventive Medicine (Public Health/ Community Medicine);
B.S. Fordham University,
M.S. Ohio State University College of Medicine,
D.O. Kirksville College of Osteopathic Medicine

Lurie, Sue G., Ph.D.
Assistant Professor, Medical Humanities;
B.A. University of South Carolina,
M.A. University of North Carolina,
Ph.D. University of Oklahoma

Mallett, Robert T., Ph.D.
Assistant Professor, Physiology;
B.S. Catholic University of America,
Ph.D. George Washington University

Martin, Michael W., Ph.D.
Assistant Professor, Pharmacology;
B.S. Colorado State University,
Ph.D. University of Texas at Houston

Masaracchia, Ruthann A., Ph.D.
Associate Professor, Biochemistry;
B.A. Park College,
M.S. and Ph.D. University of Massachusetts

Maxvill, Charles T., D.O.
Assistant Professor, Medicine;
B.S. Southern Methodist University,
D.O. Chicago College of Osteopathic Medicine

McFaul, Robert B., D.O.
Assistant Professor, Surgery;
B.A. Texas Tech University,
D.O. Texas College of Osteopathic Medicine

McGill, Jerry C., Ph.D.
Associate Professor, Psychiatry and Human Behavior;
B.A. Hardin-Simmons University,
M.A. Texas Tech University,
Ph.D. University of North Texas

McIntosh, William E., D.O.
Associate Professor, Medicine;
B.A. University of Cincinnati,
D.O. University of Osteopathic Medicine and Health Sciences

McKinney, Mark Eric, Ph.D.
Associate Professor, Medicine;
B.A. and Ph.D. University of Texas at Arlington

Micklin, Harvey G., D.O.
Associate Professor and Chairman, Psychiatry and Human Behavior;
B.S. Brooklyn College of Pharmacy,
D.O. University of Osteopathic Medicine and Health Sciences

Mills, John G., D.O., M.P.H.
Associate Professor and Chairman, Public Health and Preventive Medicine (Health and Human Fitness);
B.S., M.S. and D.O. Michigan State University

Nicholson, Wayne L., Ph.D.
Assistant Professor, Microbiology and Immunology;
B.A. State University of New York at Potsdam,
Ph.D. University of Wisconsin at Madison

Norton, S. J., Ph.D.
Professor, Biochemistry;
B.S. Abilene Christian University,
Ph.D. University of Texas at Austin

Olson, C. Raymond, D.O., F.A.C.O.I.
Professor, Medicine;
B.A. Oberlin College,
D.O. Chicago College of Osteopathic Medicine

Orr, Edward L., Ph.D.
Associate Professor, Anatomy;
B.S. Cleveland State University,
Ph.D. University of California at Berkeley

Ostransky, David, D.O.
Associate Professor, Medicine;
B.S. Wright State University,
D.O. Kirksville College of Osteopathic Medicine

Papa, Frank J., D.O.
Associate Professor, General and Family Practice (Emergency Medicine);
Associate Professor, Medical Education;
B.A. La Salle College,
D.O. Philadelphia College of Osteopathic Medicine

Peckham, John R., D.O.
Associate Professor, Manipulative Medicine;
Associate Dean, General Medicine;
D.O. Kirksville College of Osteopathic Medicine

Peerwani, Nizam, M.D.
Associate Professor, Pathology;
B.S. and M.D. American University of Beirut

Pertusi, Raymond M., D.O.
Assistant Professor, Medicine;
B.A. New York University,
D.O. New York College of Osteopathic Medicine

Peterson, Donald, D.O., F.A.C.G.P.
Associate Professor,
General and Family Practice;
B.B.A. University of North Texas,
D.O. University of Health Sciences

Peyton, Sarah A.
Instructor, Medical Humanities;
B.A. Colorado Women's College,
M.S.S.W. University of Texas at Arlington

Pirtle, Robert M., Ph.D.
Associate Professor, Biochemistry;
B.S. Georgia Institute of Technology,
Ph.D. University of Louisville

Putthoff, Stephen L., D.O.
Associate Professor and Chairman, Pathology;
B.S. University of Missouri,
D.O. University of Health Sciences

Quist, Eugene E. Ph.D.
Associate Professor, Pharmacology;
B.S. and Ph.D. University of British Columbia

Rao, G. S. J., Ph.D.
Research Assistant Professor, Biochemistry;
B.S. and M.S. Bangalore University,
Ph.D. Indian Institute of Science

Ratliff, Randall, Ph.D.
Associate Professor, Psychiatry and Human Behavior;
B.S. and M.S. University of North Texas,
Ph.D. East Texas State University

Raven, Peter B., Ph.D.
Professor, Physiology;
B.S., M.S. and Ph.D. University of Oregon

Richards, David M., D.O., F.A.C.G.P.
Professor, General and Family Practice;
Professor, Manipulative Medicine;
President and Acting Dean;
B.A. Baldwin Wallace College,
D.O. Kirksville College of Osteopathic Medicine

Romeo, Tony, Ph.D.
Assistant Professor, Microbiology and Immunology;
B.S., M.S. and Ph.D. University of Florida

Rubin, Bernard, D.O.
Associate Professor, Medicine;
B.S. University of Illinois at Urbana-Champaign,
D.O. Chicago College of Osteopathic Medicine

Rudick, Victoria, Ph.D.
Associate Professor, Anatomy;
B.A. College of Wooster,
Ph.D. Ohio State University

Scheel, Konrad W., Ph.D.
Professor, Physiology;
B.S. Tulane University,
Ph.D. University of Mississippi School of Medicine

Schunder, Mary, Ph.D.
Associate Professor, Anatomy;
B.A. and M.A. Texas Christian University,
Ph.D. Baylor University

Shaklee, Patrick N., Ph.D.
Assistant Professor, Biochemistry;
B.A. Philips University,
Ph.D. University of Illinois at Urbana-Champaign

Shores, Jay H., Ph.D.
Associate Professor, Medical Education;
Acting Director,
Faculty and Curriculum Development;
B.S. and M.Ed. University of Illinois at Urbana-Champaign,
Ph.D. University of Wisconsin

Sinclair, Richard J., Ph.D.
Associate Professor, Physiology;
B.A. Oklahoma City University,
Ph.D. University of Oklahoma College of Medicine

Sisler, Gary L., D.O.
Assistant Professor, Pathology;
B.S. University of Toledo,
D.O. University of Health Sciences

Slocum, Philip Carroll, D.O.
Associate Professor, Medicine;
B.S. Northeast Missouri State University,
D.O. Kirksville College of Osteopathic Medicine

Smith, Gregory Dean, D.O.
Assistant Professor,
General and Family Practice;
B.S. Baylor University,
D.O. Texas College of Osteopathic Medicine

Spellman, Craig W., Ph.D.
Research Assistant Professor,
Microbiology and Immunology;
B.S. University of Washington,
M.S. Montana State University,
Ph.D. University of Utah

Srinivasan, N. G., Ph.D.
Research Associate Professor, Biochemistry;
B.S. and M.S. University of Madras,
Ph.D. Tufts University

Stern, Paul A., D.O., F.A.O.C.A.
Professor and Chairman, Anesthesiology;
Associate Dean, Specialty Medicine;
B.S. Wayne State University,
D.O. University of Health Sciences

Stern, Stephen, D.O., F.A.O.C.A.
Associate Professor, Anesthesiology;
D.O. University of Osteopathic Medicine and Health Sciences

Stockard, Alan R., D.O.
Assistant Professor, Public Health and Preventive Medicine
(Rehabilitation/Sports Medicine);
Director,
Rehabilitation/Sports Medicine Division;
B.S. University of Texas at Arlington,
D.O. Texas College of Osteopathic Medicine

Sundstrom, Paula M., Ph.D.
Assistant Professor, Microbiology and Immunology;
B.A. Pomona College at Claremont,
M.S. and Ph.D. University of Washington

Taylor, Scott C., D.O.
Associate Professor, Public Health and Preventive Medicine (Health and Human Fitness);
Director, Health and Human Fitness Division;
B.S. University of Texas at Arlington,
D.O. University of Health Sciences

Tepper, Fred, D.O.
Associate Professor,
Public Health and Preventive Medicine
(Rehabilitation/Sports Medicine Division);
B.A. Maryville College,
D.O. Kirksville College of Osteopathic Medicine

Trinkle, Patrick L., D.O.
Assistant Professor, Medicine;
B.A. University of Texas at Arlington,
D.O. University of Health Sciences

Troutman, Monte, D.O.
Associate Professor, Medicine;
B.S. Bowling Green State University,
D.O. Chicago College of Osteopathic Medicine

Tyler, James R., D.O.
Associate Professor, Surgery;
B.A. University of Buffalo,
D.O. Philadelphia College of Osteopathic Medicine

Urban, Stephen F., D.O., F.A.C.G.P.
Professor, General and Family Practice;
B.S. University of Buffalo,
D.O. Kirksville College of Osteopathic Medicine

Vick, David A., D.O.
Assistant Professor, Manipulative Medicine;
B.S. Northeast Missouri State University,
D.O. University of Health Sciences

Walker, Lee J., D.O.
Professor, Obstetrics and Gynecology;
B.S. Hillsdale College,
D.O. University of Osteopathic Medicine and Health Sciences

Walker, Tero J., D.O.
Assistant Professor, Surgery;
B.S. Northwestern State University,
D.O. University of Health Sciences

Way, Bill V., D.O.
Assistant Professor, Dermatology;
B.S. University of Oklahoma,
D.O. University of Health Sciences

Weis, Stephen E., D.O.
Associate Professor, Medicine;
B.S. Iowa State University,
D.O. University of Osteopathic Medicine and Health Sciences

Weiss, Stanley, D.O.
Associate Professor and Vice Chairman,
Public Health and Preventive Medicine
(Health and Human Fitness);
D.O. Chicago College of Osteopathic Medicine

Whiting, Craig, D., D.O.
Assistant Professor,
General and Family Practice;
B .S. Texas A and I University,
D.O. Texas College of Osteopathic Medicine

Wilkins, Frederick M., D.O., F.A.O.C.R.
Professor and Chairman, Radiology;
B.S. Elizabethtown College,
D.O. Philadelphia College of Osteopathic Medicine

Wilson, Winter B., D.O.
Assistant Professor, Medicine;
B.S. Belhaven College,
D.O. West Virginia College of Osteopathic Medicine

Wimbish, Gary H., Ph.D.
Associate Professor, Pathology;
B.S. Texas A&M University,
Ph.D. Indiana University Medical Center

Wise, Gary E., Ph.D.
Professor, Anatomy;
B.A. University of Denver,
Ph.D. University of California at Berkeley

Wood, H. Stan., D.O.
Assistant Professor, Medicine;
B.S. East Central State University,
B.S. University of Oklahoma,
D.O. College of Osteopathic Medicine of Oklahoma State University

Woodworth, Robert M., D.O., F.A.C.P.M., F.A.A.P., F.A.O.C.P.M.
Associate Professor,
Public Health and Preventive Medicine
(Public Health/Community Medicine);
Director, Public Health/Community Medicine Division;
B.S. University of Michigan,
M.P.H. University of Oklahoma,
D.O. Chicago College of Osteopathic Medicine

Wordinger, Robert J., Ph.D.
Associate Professor, Anatomy;
B.S. Pennsylvania State University,
M.S. and Ph.D. Clemson University

Wu, Ming-Chi, Ph.D.
Associate Professor, Biochemistry;
B.S. National Taiwan University,
Ph.D. University of Wisconsin

Yorio, Thomas, Ph.D.
Associate Professor, Pharmacology;
B.A. H.H. Lehman College,
Ph.D. Mt. Sinai School of Medicine

Yüksel, K. Ümit, Ph.D.
Research Assistant Professor, Biochemistry;
B.S. Middle East Technical University,
M.S. Bosporus University,
Ph.D. University of North Texas

Zachary, T. Eugene, D.O., F.A.C.G.P.
Associate Professor,
General and Family Practice;
B.A. University of North Texas,
D.O. University of Health Sciences

Zanecchia, M. Denise, Ph.D.
Research Associate Professor,
Medical Education;
B.S. University of San Francisco,
M.S. California State University at Los Angeles,
Ph.D. University of Connecticut

Zemenick, Richard B., D.O.
Associate Professor, General and Family Practice (Emergency Medicine);
Director, Emergency Medicine Division;
B.S. University of Texas at Arlington,
D.O. Texas College of Osteopathic Medicine

EMERITUS FACULTY

Coy, Marion E., D.O., F.A.C.G.P.
Professor Emeritus, Manipulative Medicine;
B.S. Eureka College,
D.O. Kirksville College of Osteopathic Medicine

Ellis, Virginia P., D.O.
Professor Emeritus,
Public Health and Preventive Medicine (Public Health and Community Medicine);
D.O. Kirksville College of Osteopathic Medicine

Ogilvie, Charles D., D.O., F.A.O.C.R., F.A.C.O.S.
Professor, Medical Humanities;
D.O. Kirksville College of Osteopathic Medicine

PROFESSIONAL LIBRARY STAFF

Brooks, Ann
Coordinator, Extramural Services;
Assistant Professor, Medical Education;
B.S. California Polytechnic University,
M.L.S. University of Pittsburgh,
M.B.A. Texas Christian University

Carter, Bobby R.
Director, Library Services;
Associate Professor, Medical Education;
B.S. University of Houston,
M.S. Louisiana State University

Elam, Craig S.
Associate Director, Technical Services;
Assistant Professor, Medical Education;
A.B. Stanford University,
M.L.S. University of California at Berkeley

Martin, Dohn H.
Systems Librarian;
M.S. and M.S.L.S. University of North Carolina, Chapel Hill

Mason, Timothy D.
Technical Services/Cataloging Librarian;
Instructor, Medical Education;
B.A. University of Cincinnati,
M.L.S. University of North Texas

McInroy-Hocevar, Moira
Learning Resource Center Librarian;
Assistant Professor, Medical Education;
B.Ed. Nottingham University,
M.A. Glasgow University,
M.L.S. University of North Texas

Muirhead, Phyllis
Coordinator, Information Services;
Instructor, Medical Education;
B.S. Baylor University,
M.L.S. University of North Texas

Porter, Sherry
Serials Librarian;
Instructor, Medical Education;
B.A. Southwest Texas State University,
M.L.S. University of Texas at Austin

Raymond, Sue
Reference Librarian;
Instructor, Medical Education;
B.A. Georgetown College,
M.L.S. University of Missouri at Columbia

Stokes, Ray
Curator, Special Collections;
B.A. Texas Christian University

Taber, Gay
Reference Librarian;
Instructor, Medical Education;
B.A. University of North Texas,
M.L.S. Texas Woman's University

Wood, Richard
Associate Director, Public Services;
Assistant Professor, Medical Education;
B.A. University of Texas at Arlington,
M.L.S University of South Carolina

CLINICAL/ADJUNCT FACULTY

Abbey, Thomas E., D.O.
Clinical Associate Professor,
General and Family Practice
Adamo, Michael P., D.O.
Clinical Assistant Professor, Medicine
Alba, Ramon, D.O.
Clinical Associate Professor,
General and Family Practice
Albertson, Gary Roger, D.O.
Clinical Associate Professor,
General and Family Practice
Alexander, Jerry M., D.O.
Clinical Associate Professor,
General and Family Practice
Allen, Reginald A., Jr., M.D.
Clinical Associate Professor, Public Health
and Preventive Medicine
(Public Health/Community Medicine
Almy, E. June, D.O.
Clinical Assistant Professor,
General and Family Practice
Alvarez-Gonzalez, Rafael, Ph.D.
Adjunct Assistant Professor, Biochemistry
Andreassen, Raymond E., D.O.
Clinical Associate Professor,
General and Family Practice
Angelo, Christopher S., D.O.
Clinical Associate Professor,
General and Family Practice
Ansohn, John R., D.O.
Clinical Instructor,
General and Family Practice
Armbruster, David, D.O.
Clinical Associate Professor,
General and Family Practice
Armbruster, Jerome L., D.O.
Clinical Associate Professor,
General and Family Practice
Avery, Wilbur G., M.D.
Clinical Professor, Medicine
Bailey, Sharon A., D.O.
Clinical Instructor, Anesthesiology
Bascone, A. G., D.O.
Clinical Associate Professor, Radiology
Battaglia, Joseph A., D.O.
Clinical Associate Professor,
General and Family Practice
Beard, Marianne, D.O.
Clinical Instructor,
General and Family Practice
Beaty, Barry L., D.O.
Clinical Associate Professor,
General and Family Practice
Beckwith, Jay G., D.O.
Clinical Associate Professor, Medicine
Behrens, J. Michael, D.O.
Clinical Associate Professor,
General and Family Practice
Behrens, Kenyon R., D.O.
Clinical Assistant Professor,
General and Family Practice
Bennett, John A., D.O.
Clinical Associate Professor,
General and Family Practice
Bernard, Allen S., D.O.
Clinical Associate Professor,
General and Family Practice
Bernstein, Donald, D.O.
Clinical Associate Professor,
General and Family Practice
Bernstein, Sidney H., D.O.
Clinical Associate Professor,
General and Family Practice
Beyer, David M., D.O.
Clinical Assistant Professor, Surgery;
Clinical Associate Professor,
General and Family Practice
Beyer, Donald G., D.O.
Clinical Associate Professor,
General and Family Practice
Beyer, R. B., D.O.
Clinical Associate Professor, Manipulative
Medicine
Bigsby, Glenn E., III, D.O.
Clinical Associate Professor,
General and Family Practice
Birdwell, Larry R., D.O.
Clinical Assistant Professor,
General and Family Practice
Bode, Robert, D.O., F.A.C.C.
Clinical Assistant Professor, Medicine
Boone, William R., Sr., D.O.
Clinical Associate Professor,
General and Family Practice
Bourdage, Robert J., Ph.D.
Adjunct Assistant Professor,
Medical Education
Boyd, John H., D.O.
Clinical Professor,
General and Family Practice
Bradley, Frank, D.O.
Clinical Associate Professor, Radiology

Brancel, Dale H., D.O.
Clinical Assistant Professor, Surgery
Branch, James W., Jr., D.O.
Clinical Associate Professor,
General and Family Practice
Brenner, John F., D.O.
Clinical Assistant Professor, Medicine
Brick, Harry, Ph.D.
Clinical Assistant Professor,
Psychiatry and Human Behavior
Brien, James, D.O., F.A.A.P.
Clinical Assistant Professor, Pediatrics
Briney, Stanley R., D.O.
Clinical Associate Professor, Radiology
Brobbey, Gwendolyn E., M.D.
Clinical Assistant Professor, Public Health
and Preventive Medicine (Public Health/
Community Medicine)
Brooks, Edward M., D.O.
Clinical Associate Professor,
Otorhinolaryngology
Brooks, Sister Anne, D.O.
Clinical Assistant Professor,
General and Family Practice
Brown, Russell G., M.D.
Clinical Assistant Professor,
Psychiatry and Human Behavior
Bull, Jarvis, D.O.
Clinical Associate Professor,
General and Family Practice
Burke, Andrew B., D.O.
Clinical Assistant Professor,
General and Family Practice
Burke, Joseph W., III, D.O.
Clinical Assistant Professor,
General and Family Practice
Burrows, Larry, D.O.
Clinical Associate Professor,
General and Family Practice
Calabrese, Glenn M., D.O.
Clinical Assistant Professor,
General and Family Practice
(Emergency Medicine)
Calabria, James T., D.O., F.A.C.O.S.
Clinical Associate Professor, Surgery
Calton, Samuel, D.O.
Clinical Associate Professor,
General and Family Practice
Campanile, Richard J., D.O.
Clinical Associate Professor,
General and Family Practice
Cannon, Gary, D.O.
Clinical Associate Professor,
General and Family Practice
Cantrell, Elroy, D.O.
Clinical Assistant Professor,
General and Family Practice

Carlton, Catherine Kenney, D.O.,
F.A.A.O.
Clinical Professor, General and Family
Practice; Clinical Professor,
Manipulative Medicine
Carpenter, Billy T., D.O.
Clinical Associate Professor,
General and Family Practice
Carter, Richard A., D.O.
Clinical Assistant Professor, Surgery
Carter, Ruth E., D.O.
Clinical Associate Professor,
General and Family Practice
Cary, James, D.O.
Clinical Associate Professor,
General and Family Practice
Cegelski, John J., Jr., D.O., F.A.C.G.P.
Clinical Associate Professor,
General and Family Practice
Childress, Jack R., M.D.
Clinical Assistant Professor, Medicine
Clark, Abbot F., Ph.D.
Adjunct Professor, Biochemistry
Classen, Ashley M., D.O.
Clinical Instructor, Anesthesiology
Clay, Thomas R., D.O.
Clinical Associate Professor,
General and Family Practice
Codgill, James M., D.O.
Clinical Assistant Professor, Anesthesiology
Cohen, Phillip, D.O.
Clinical Assistant Professor, Medicine
Coleridge, Samuel T., D.O.
Clinical Associate Professor, General and
Family Practice (Emergency Medicine)
Cook, Charles R., D.O.
Clinical Assistant Professor,
General and Family Practice
Cook, Paul F., Ph. D.
Adjunct Professor, Biochemistry
Cothern, William F., D.O.
Clinical Assistant Professor,
General and Family Practice
Cox, Virgil M., Jr., M.D.
Clinical Assistant Professor,
Psychiatry and Human Behavior
Crandall, Max, D.O.
Clinical Associate Professor,
General and Family Practice
Crawford, Robert R., D.O.
Clinical Assistant Professor, Surgery
Crouch, Norman C., D.O.
Clinical Associate Professor,
General and Family Practice
Cudd, William W., III, D.O.
Clinical Assistant Professor,
General and Family Practice

Cundari, Frank, D.O.
Clinical Assistant Professor, Ophthalmology
Cunniff, Nelda, D.O.
Clinical Associate Professor,
General and Family Practice
Czewski, James W., D.O.
Clinical Associate Professor,
General and Family Practice
Daniels, Egeenee Q., D.V.M.
Adjunct Assistant Professor, Microbiology and Immunology
Daniels, Ronald L., D.O.
Clinical Associate Professor,
General and Family Practice
Davis, Alyson C., D.O.
Clinical Assistant Professor,
General and Family Practice
Davis, Don D., D.O.
Clinical Associate Professor,
General and Family Practice
Davis, Gail C., R.N., Ed.D.
Clinical Instructor, Medicine
Davis, Jerry T., D.O.
Clinical Assistant Professor,
General and Family Practice
Davis, M. McKim, D.O.
Clinical Associate Professor,
General and Family Practice
Del Principe, Joseph A., D.O.
Clinical Assistant Professor, General and Family Practice (Emergency Medicine)
De Luca, Robert Charles, D.O.
Clinical Assistant Professor,
General and Family Practice
Depew, Deborah Ann, D.O.
Clinical Instructor,
General and Family Practice
De Porter, Thomas E., M.D.
Clinical Assistant Professor,
Psychiatry and Human Behavior
De Santis, Louis, Ph.D.
Adjunct Assistant Professor, Pharmacology
Dobson, Walter, D. O.
Clinical Associate Professor, Surgery
Donahue, Manus, Ph.D.
Adjunct Associate Professor, Pharmacology
Dott, Raymond, D.O.
Clinical Associate Professor, Radiology
Doyle, Georgia, D.O.
Clinical Associate Professor,
General and Family Practice
Earp, Gary, D.O.
Clinical Associate Professor,
General and Family Practice
Ellis, David D., D.O.
Clinical Assistant Professor,
General and Family Practice
Ellis, Kevin M., D.O.
Clinical Assistant Professor,
General and Family Practice
English, Wayne R., D.O., F.A.O.C.P.M.
Clinical Professor,
Public Health and Preventive Medicine (Rehabilitation/Sports Medicine)
Ernst, Linda Martin, D.O.
Clinical Associate Professor,
General and Family Practice
Essex, Thomas W., D.O.
Clinical Instructor,
General and Family Practice
Everett, Carl. E., D.O.
Clinical Professor,
General and Family Practice
Faigin, Al, D.O.
Clinical Associate Professor,
General and Family Practice
Farina, Alexander J., D.O.
Clinical Associate Professor,
General and Family Practice
Farrar, V. Jean, D.O.
Clinical Assistant Professor,
General and Family Practice
Fazeli, Farzad, D.O.
Clinical Instructor,
General and Family Practice
Feingold, Richard J., D.O.
Clinical Assistant Professor, Medicine
Feinstein, Michael J., D.O.
Clinical Associate Professor,
General and Family Practice
Firstenberg, Barry A., D.O.
Clinical Assistant Professor, Medicine
Fischer, Roy L., D.O., F.A.C.O.O.G.
Clinical Associate Professor,
Obstetrics and Gynecology
Fisher, Roy B., D.O.
Clinical Associate Professor, Surgery
Flaggman, Paul D., D.O.
Clinical Assistant Professor, Medicine
Flaming, Tom L., D.O.
Clinical Associate Professor,
General and Family Practice
Fling, John A., M.D., F.A.A.P.
Clinical Assistant Professor, Medicine
Franz, Charles M., D.O.
Clinical Assistant Professor,
General and Family Practice
Fried, Ronald, D.O.
Clinical Associate Professor,
General and Family Practice
Friedman, Richard H., D.O.
Clinical Assistant Professor,
Public Health and Preventive Medicine (Rehabilitation/Sports Medicine)

Friess, Gregory G., D.O.
Clinical Assistant Professor, Medicine
Furber, Edward D., M.D.
Clinical Assistant Professor,
Psychiatry and Human Behavior
Gabier, Wendell V., D.O.
Clinical Associate Professor, Radiology
Galarneau, Howard, Jr., D.O.
Clinical Assistant Professor,
General and Family Practice
Galewaler, John E., D.O.
Clinical Associate Professor,
General and Family Practice
Galli, Janice K., D.O.
Clinical Assistant Professor,
General and Family Practice
Gan, Mark F., D.O.
Clinical Assistant Professor,
General and Family Practice
Ganz, Samuel B., D.O., F.A.C.G.P.
Clinical Associate Professor,
General and Family Practice
Garcia, Raymond, M.D.
Clinical Associate Professor, Dermatology
Gardner, Bennett T., D.O.
Clinical Assistant Professor,
General and Family Practice
Garmon, Anesia K., D.O.
Clinical Associate Professor,
General and Family Practice
Garner, John Ed, D.O.
Clinical Associate Professor,
General and Family Practice
Garrison, Olie R., D.O.
Clinical Assistant Professor,
General and Family Practice
Gile, Terry M., D.O.
Clinical Instructor, Anesthesiology
Glaser, Stephen A., D.O.
Clinical Instructor,
General and Family Practice
Glauser, B. Marilee, D.O.
Clinical Assistant Professor,
General and Family Practice
Glickfeld, Myron, D.O.
Clinical Associate Professor, Surgery
Glidden, Weldon E., D.O.
Clinical Assistant Professor,
General and Family Practice
Godell, Chester, Jr., D.O.
Clinical Assistant Professor, Medicine
Goetz, Dudley W., D.O., F.A.O.C.D.
Clinical Associate Professor, Dermatology
Goldman, Allan P., D.O.
Clinical Associate Professor,
General and Family Practice

Gonzalez, Fernando, D.O.
Clinical Assistant Professor, Pediatrics
Good, Robert, D.O.
Clinical Associate Professor,
General and Family Practice
Grant, Stephen R., Ph.D.
Adjunct Assistant Professor, Microbiology
and Immunology
Graybill, David B., D.O.
Clinical Instructor, Anesthesiology
Grayson, Debra A., D.O.
Clinical Instructor,
General and Family Practice
Greene, David B., D.O.
Clinical Associate Professor,
General and Family Practice
Gross, Robert H., M.D.
Clinical Assistant Professor,
Psychiatry and Human Behavior
Guevara, Alex, Jr., D.O.
Clinical Instructor,
General and Family Practice
Guthrie, Roger, D.O.
Clinical Assistant Professor,
Obstetrics and Gynecology
Haberer, Paul, D.O.
Clinical Associate Professor,
General and Family Practice
Hafter, Lance E., D.O.
Clincial Assistant Professor, General and
Family Practice (Emergency Medicine)
Hall, Charles R., D.O.
Clinical Instructor,
General and Family Practice
Hall, Richard M., D.O.
Clinical Professor,
General and Family Practice
Haman, David, D.O.
Clinical Assistant Professor,
General and Family Practice
Hames, Robert B., D.O.
Clinical Associate Professor,
General and Family Practice
Hanby, Tamara K., D.O.
Clincial Instructor,
General and Family Practice
Harrington, Donald P., D.O.
Clinical Associate Professor,
General and Family Practice
Hawa, James, D.O.
Clinical Associate Professor,
General and Family Practice
Hayes, Randall E., D.O.
Clinical Assistant Professor
General and Family Practice

Hayes, Vernon M., D.O., F.A.C.O.G.
Clinical Associate Professor,
Obstetrics and Gynecology
Hazelip, Sandra Jo, D.O.
Clinical Assistant Professor,
General and Family Practice
Heller, William R., D.O.
Clinical Assistant Professor,
General and Family Practice
Henley, Robert D., D.O.
Clinical Associate Professor,
General and Family Practice
Henshaw, Clyde V.,Jr., D.O.
Clinical Instructor,
General and Family Practice
Hernandez, Harry, D.O.
Clinical Assistant Professor,
General and Family Practice
Herr, Sylvia, D.O.
Clinical Assistant Professor,
General and Family Practice
Hey, Wayne, D.O.
Clinical Assistant Professor, Surgery
Hinz, Susan, R.N.
Clinical Instructor, General and Family
Practice (Emergency Medicine)
Hiscox, Richard A., D.O.
Clinical Instructor,
General and Family Practice
Hoffman, Michael D., D.O.
Clinical Associate Professor,
General and Family Practice
Holliday, Joel D., D.O.
Clinical Associate Professor,
General and Family Practice
Holston, Robert G., D.O.
Clinical Associate Professor,
General and Family Practice
Holton, Mark, D.O.
Clinical Assistant Professor, Pediatrics
Hood, John P., D.O.
Clinical Instructor,
General and Family Practice
Hooper, C. Dan
Adjunct Instructor, Pharmacology
Hopkins, Donald W., D.O.
Clincial Associate Professor,
General and Family Practice
Hosler, James, M.D.
Clinical Associate Professor, Medicine
Hubner, Richard, D.O.
Clinical Instructor,
General and Family Practice
Hueber, Michael G., D.O.
Clinical Instructor,
General and Family Practice

Hull, Christopher K., D.O.
Clinical Assistant Professor, Surgery
Hulse, Alfred T., D.O.
Clinical Assistant Professor,
General and Family Practice
Hussey, Jim P., D.O.
Clinical Associate Professor,
General and Family Practice
Ingraham, Daniel, D.O.
Clinical Associate Professor, Dermatology
Jacobson, Elaine, Ph.D.
Adjunct Professor, Biochemistry
Johnson, E. Arnold, D.O.
Clinical Assistant Professor,
General and Family Practice
Johnson, E. R., D.O.
Clinical Assistant Professor, Medicine
Johnson, Harold E., D.O.
Clinical Assistant Professor,
General and Family Practice
Johnson, Wayne, D.O.
Clinical Assistant Professor, Radiology
Jones, Myron, D.O.
Clinical Associate Professor, Medicine
Jordan, William M., D.O.
Clinical Assistant Professor, Medicine
Kaplan, Henry B., D.O.
Clincial Instructor,
General and Family Practice
Katz, Aaron L., D.O.
Clinical Associate Professor,
General and Family Practice
Kebabjian, S. Stevon, D.O., F.A.O.C.A.
Clinical Associate Professor,
Anesthesiology
Keilers, Royce K., D.O., F.A.C.G.P.
Clinical Associate Professor,
General and Family Practice
Kelley, Jeffrey R., D.O.
Clinical Assistant Professor,
General and Family Practice
Kelley, Robert P., D.O.
Clinical Associate Professor,
General and Family Practice
Kelso, Elmer L., D.O., F.A.O.C.A.
Clinical Associate Professor,
Anesthesiology
Kelso, George, D.O.
Clinical Associate Professor,
General and Family Practice
Kent, Robert C., D.O.
Clinical Associate Professor,
General and Family Practice
Keyser, Peter D., D.O.
Clinical Assistant Professor,
General and Family Practice

Khambatti, Shabbir F., M.D.
Clinical Assistant Professor, Medicine
Kinzie, Earl C. D.O.
Clinical Professor,
General and Family Practice
Kirkwood, M. E., D.O.
Clinical Assistant Professor,
General and Family Practice
Kislingbury, Todd E., D.O.
Clinical Instructor,
General and Family Practice
Kludo, Ronald G., D.O.
Clinical Associate Professor,
General and Family Practice
Kmetz, John G., D.O.
Clinical Associate Professor,
General and Family Practice
Kopman, Norman, D.O.
Clinical Assistant Professor, Medicine
Kow, Avis M., M.D.
Clinical Assistant Professor, General and Family Practice (Emergency Medicine)
Kravetz, James H., D.O.
Clinical Associate Professor,
General and Family Practice
Kristoferson, John, M.D.
Clinical Assistant Professor, Public Health and Preventive Medicine (Rehabilitation/ Sports Medicine)
Krupp, Myron, D.P.M.
Clinical Assistant Professor,
Public Health and Preventive Medicine (Rehabilitation/Sports Medicine)
Kudelko, David, D.O.
Clinical Associate Professor,
General and Family Practice
Lancaster, Jere R., D.O.
Clinical Associate Professor, Radiology
Leech, Richard C., D.O.
Clinical Assistant Professor, Anesthesiology
Lees, John B., D.O.
Clinical Assistant Professor,
General and Family Practice
Lekawski, Linda A., D.O.
Clinical Instructor,
General and Family Practice
Leslie, Fred, D.O.
Clinical Associate Professor,
General and Family Practice
Levy, Neils S., D.O.
Clinical Assistant Professor, Pediatrics
Lewey, Scott M., D.O.
Clinical Assistant Professor,
General and Family Practice
Lewis, A. Ray, D.O.
Clinical Instructor,
General and Family Practice
Lewis, Harold D., D.O.
Clinical Associate Professor,
General and Family Practice
Liedtke, Curtis J., D.O.
Clinical Associate Professor,
General and Family Practice
Lindsey, George C., D.O.
Clinical Associate Professor,
General and Family Practice
Linton, James W., D.O.
Clinical Associate Professor,
General and Family Practice
Lively, James, D.O.
Clinical Associate Professor, Radiology
Livingston, R. Paul, D.O.
Clinical Associate Professor,
General and Family Practice
Lizerbram, Sol, D.O.
Clinical Associate Professor,
General and Family Practice
Locke, John B., D.O.
Clinical Associate Professor, Medicine
Lopez, Hector, D.O.
Clinical Assistant Professor,
General and Family Practice
Lorenz, Constance, D.O.
Clinical Instructor,
General and Family Practice
Lou, Marjorie F., Ph.D.
Adjunct Professor, Biochemistry
Lowney, Michael J., D.O.
Clinical Assistant Professor,
General and Family Practice
Lowry, J. Roy, D.O.
Clinical Assistant Professor,
Otorhinolaryngology
Luibel, George J. , D.O.
Clinical Professor,
General and Family Practice
Lund, Gregg C., D.O.
Clinical Assistant Professor, Pediatrics;
Clinical Adjunct Professor, Physiology
Ma, Trang To, M.D.
Clinical Assistant Professor,
Psychiatry and Human Behavior
MacLean, Robert A., M.D.
Clinical Associate Professor,
Public Health and Preventive Medicine
(Public Health/Community Medicine)
Magie, Richard, D.O.
Clinical Assistant Professor, Pediatrics
Mahoney, James J., D.O.
Clinical Assistant Professor,
General and Family Practice
Maley, Kathleen E., D.O.
Clinical Instructor,
General and Family Practice

Malone, Ricky D., M.D.
Clinical Assistant Professor,
Public Health and Preventive Medicine
(Health and Human Fitness)
Martin, James R., D.O.
Clinical Assistant Professor,
General and Family Practice
Martin, Luther C., D.O.
Clinical Associate Professor,
General and Family Practice
Martin, Randall P., D.O.
Clinical Instructor, Anesthesiology
Martz, Russell, D.O.
Clinical Associate Professor, Surgery
Matthews, James G., Jr., D.O., F.A.C.O.O.G.
Clinical Professor,
Obstetrics and Gynecology
Maul, R. Greg, D.O.
Clinical Associate Professor,
General and Family Practice
Maxwell, Jack A., D.O.
Clinical Assistant Professor,
General and Family Practice
McCarty, F. Timm, D.O.
Clinical Associate Professor,
General and Family Practice
McCarty, William, D.O.
Clinical Assistant Professor, Surgery
McCorckle, Brandt H., D.O.
Clinical Associate Professor,
General and Family Practice
McDaniel, Ron R., D.O.
Clinical Instructor,
General and Family Practice
McKinney, Mark E., Ph.D.
Clinical Associate Professor,
Psychiatry and Human Behavior
McLaughlin, James A., D.O.
Clinical Associate Professor,
General and Family Practice
McQueen, Gregory P.
Adjunct Instructor, Medical Education
Meahan, John J., D.O.
Clinical Assistant Professor, Radiology
Meltzer, Victor N., M.D.
Clinical Associate Professor, Medicine
Merrill, James M., D.O.
Clinical Associate Professor,
General and Family Practice
Merwin, Ralph C., D.O.
Clinical Associate Professor,
General and Family Practice
Meyer, Michael A., D.O.
Clinical Assistant Professor,
General and Family Practice
Mia, Abdul J., Ph. D.
Adjunct Assoicate Professor, Pharmacology
Miers, John, D.O., F.A.C.O.G.
Clinical Assistant Professor,
Obstetrics and Gynecology
Miles, Frank S., Jr., D.O.
Clinical Assistant Professor,
General and Family Practice
Milionis, John W., D.O., F.A.C.O.P.
Clinical Assistant Professor, Pediatrics
Miller, Thomas, D.O.
Clinical Associate Professor,
General and Family Practice
Mills, Jeffrey A., D.O.
Clinical Assistant Professor, Medicine
Mims, Roy D., Jr., D.O.
Clinical Associate Professor,
General and Family Practice
Montgomery-Davis, Joseph, D.O.
Clinical Associate Professor,
General and Family Practice
Neisler, Gary L., D.O
Clinical Instructor, Anesthesiology
Nelson, Robert L., D.O.
Clinical Associate Professor, Radiology
Nesbit, Stephen W., D.O.
Clinical Assistant Professor,
General and Family Practice
Nichols, Richard E., D.O.
Clinical Associate Professor,
General and Family Practice
Nicholson, Wayne L., Ph.D.
Adjunct Assistant Professor, Biochemistry
Nobles, Robert H., D.O.
Clinical Professor,
General and Family Practice
Nolen, Bill D., D.O.
Clinical Associate Professor,
General and Family Practice
Nophsker, Theodore R., Ph.D.
Clinical Assistant Professor, Medicine
Nguyen, Son Vi, M.D.
Clinical Assistant Professor,
Psychiatry and Human Behavior
O'Connor, Harriette L., D.O.
Clinical Assistant Professor,
General and Family Practice
Ogilvie, Charles D., D.O.
Clinical Professor,
General and Family Practice
Olson, Richard M., D.O.
Clinical Associate Professor,
General and Family Practice
Ostrom, Floyd, D.O.
Clinical Assistant Professor, Pediatrics

Palmer, Wesley D., D.O.
Clinical Assistant Professor,
General and Family Practice
Parvin, Terry L., D.O.
Clinical Associate Professor,
General and Family Practice
Patel, Mahendra N., M.D.
Clinical Assistant Professor, Medicine
Pearson, Harris F., Jr., D.O.
Clinical Associate Professor, Radiology
Pearson, Philip E., D.O.
Clinical Assistant Professor,
General and Family Practice
Peska, Don N., D.O.
Clinical Assistant Professor, Surgery
Peters, Robert Lee, Jr., D.O.
Clinical Associate Professor,
General and Family Practice
Pettina, Samuel A., D.O.
Clinical Assistant Professor,
General and Family Practice
Peyton, Dean, D.O.
Clinical Associate Professor,
General and Family Practice
Pham, Chat Van, M.D.
Clinical Assistant Professor,
Psychiatry and Human Behavior
Phillips, Earnest L., Jr., D.O.
Clinical Associate Professor,
General and Family Practice
Pifer, Kathryn Bailey, D.O.
Clinical Assistant Professor,
General and Family Practice
Pincus, Lewis M., D.O.
Clinical Assistant Professor, Medicine
Podolsky, Michael, D.O.
Clinical Associate Professor, Radiology
Poetz, Robert Paul, D.O.
Clinical Associate Professor,
General and Family Practice
Polk, Gary L., D.O.
Clinical Assistant Professor,
General and Family Practice
Pollan, William A., D.O.
Clinical Associate Professor,
Public Health and Preventive Medicine
(Health and Human Fitness)
Ponitz, Kenneth C., D.O.
Clinical Assistant Professor, Anesthesiology
Pope, Ross E., D.O.
Clinical Assistant Professor,
General and Family Practice
Porter, Joe Bob, D.O.
Clinical Associate Professor,
General and Family Practice
Post, Yvonne C., D.O.
Clinical Assistant Professor,
General and Family Practice
Powell, Lynn, D.O.
Clinical Assistant Professor, Surgery
Pruzzo, Neil, D.O.
Clinical Associate Professor,
General and Family Practice
Puryear, Billy H., D.O.
Clinical Associate Professor,
General and Family Practice
Quatro, Fred, D.O.
Clinical Assistant Professor, Surgery
Quigley, James, D.O.
Clinical Associate Professor,
General and Family Practice
Rafes, Richard S., J.D.
Clinical Instructor, Medical Humanities
Randolph, Harvey H., D.O., F.A.C.G.P.
Clinical Associate Professor,
General and Family Practice
Ranelle, Brian, D.O.
Clinical Associate Professor, Ophthalmology
Ranelle, H. William, D.O.
Clinical Professor, Ophthalmology
Ray, David A., D.O.
Clinical Associate Professor,
General and Family Practice
Ray, John, D.O.
Clinical Assistant Professor, General and
Family Practice (Emergency Medicine)
Reese, I. Phillip, D.O.
Clinical Assistant Professor, Medicine
Reich, Walter G., Jr., D.O.
Clinical Associate Professor,
General and Family Practice
Reilly, Richard L., D.O.
Clinical Associate Professor,
General and Family Practice
Renna, Christian J., D.O.
Clinical Associate Professor,
General and Family Practice
Reznick, James W., D.O.
Clinical Assistant Professor, Medicine
Rhodes, Roy L., D.O.
Clinical Associate Professor,
General and Family Practice
Rice, Emmett Lee, D.O.
Clinical Associate Professor,
General and Family Practice
Rice, Jack W., D.O.
Clinical Associate Professor,
General and Family Practice
Rice, Laura L., D.O.
Clinical Assistant Professor,
General and Family Practice

Ridenour, Chet D., D.O.
Clinical Assistant Professor,
General and Family Practice
Roberson, Andrea A., D.O.
Clinical Instructor,
General and Family Practice
Rocha, Carlos F. D.O.
Clinical Associate Professor,
General and Family Practice
Rodgers, Randall W., D.O.
Clinical Assistant Professor,
General and Family Practice
Rojas, George A.,
Clinical Assistant Professor, Medicine
Rollins, Kari L., D.O.
Clinical Associate Professor,
General and Family Practice
Rollins, Ray E., D.O.
Clinical Assistant Professor,
General and Family Practice
Rome, Richard S., M.D.
Clinical Assistant Professor, Radiology
Romeo, Tony, Ph.D.
Adjunct Professor, Biochemistry
Ross, Donald M., D.O.
Clinical Assistant Professor, Surgery
Sabeter, Gilberto M., M.D.
Clinical Assistant Professor, Surgery
Samuels, Michael G., D.O.
Clinical Assistant Professor, General and Family Practice; Clinical Instructor, Manipulative Medicine
Sandlin, Wyman P., D.O.
Clinical Associate Professor,
General and Family Practice
Saperstein, Phillip P., D.O.
Clinical Professor,
General and Family Practice
Saylak, Daniel W., D.O.
Clinical Assistant Professor,
General and Family Practice
Scarnati, Richard A., D.O.
Clinical Assistant Professor,
Psychiatry and Human Behavior
Scarpinato, Len, D.O.
Clinical Assistant Professor,
General and Family Practice
Schafer, Rollie R., Jr., Ph.D.
Adjunct Associate Professor, Pharmacology
Schellin, Richard A., D.O.
Clinical Assistant Professor, Radiology
Schneider, Horace Lee, D.O.
Clinical Assistant Professor, Medicine
Schneider, Mark D., D.O.
Clinical Assistant Professor,
General and Family Practice
Schuricht, Wayne E., D.O.
Clinical Assistant Professor, General and Family Practice (Emergency Medicine)
Schwartz, John P., D.O.
Clinical Assistant Professor,
General and Family Practice
Sears, Kristin, D.O.
Clinical Assistant Professor, Anesthesiology
Shah, Kirit C., M.D.
Clinical Assistant Professor, Medicine
Shaklee, Patrick N., Ph.D.
Adjunct Assistant Professor,
Microbiology and Immunology
Sharp, Larry J., D.O.
Clinical Assistant Professor,
General and Family Practice
Sharp, T. Robert, D.O., F.A.C.G.P.
Clinical Professor,
General and Family Practice
Shields, Robert F., D.O.
Clinical Associate Professor,
General and Family Practice
Shimoda, Janice, D.O.
Clinical Assistant Professor,
General and Family Practice
Sims, James L., Ph.D.
Adjunct Assistant Professor,
Medical Education, and Biochemistry
Skiba, Mary Ann, D.O.
Clinical Assistant Professor, Medicine
Skottie, Daniel M., D.O.
Clinical Assistant Professor,
General and Family Practice
Smith, Bobby G., D.O.
Clinical Associate Professor,
General and Family Practice
Smith, Edward, D.O.
Clinical Assistant Professor, Surgery
Smith, George N., D.O.
Clinical Associate Professor,
General and Family Practice
Smith, James N., D.O.
Clinical Associate Professor,
General and Family Practice
Smola, Jerome E., D.O.
Clinical Associate Professor,
General and Family Practice
Spain, Jon B., D.O.
Clinical Associate Professor,
General and Family Practice
Sparks, Randal P., D.O.
Clinical Associate Professor,
General and Family Practice
Sparks, Robert D., D.O.
Clinical Associate Professor,
General and Family Practice

Speece, Conrad A., D.O.
Clinical Associate Professor,
General and Family Practice
Stanley, Morton J., D.O.
Clinical Associate Professor,
General and Family Practice
Stanton, J. Michael, D.O.
Clinical Assistant Professor, Anesthesiology
Stark, Robert S., D.O.
Clinical Assistant Professor,
General and Family Practice
Stein, Ralph G., D.O.
Clinical Instructor, Anesthesiology
Stevens, Wesley J., D.O.
Clinical Associate Professor,
General and Family Practice
Stickney, Jeffrey A., D.O.
Clinical Assistant Professor,
General and Family Practice
Stockburger, Robert, D.O.
Clinical Assistant Professor,
Obstetrics and Gynecology
Stone, David, D.O.
Clinical Assistant Professor, Surgery
Stoner, Mary F., M.D.
Clinical Instructor, Dermatology
Strazynski, Josef, D.O.
Clinical Assistant Professor,
General and Family Practice
Styduhar, Edward A., Jr., D.O.
Clinical Associate Professor,
General and Family Practice
Sufian, David, D.O.
Clinical Assistant Professor, Surgery
Sundstrom, Paula M., Ph.D.
Adjunct Assistant Professor, Biochemistry
Swartz, James L., D.O.
Clinical Associate Professor,
General and Family Practice
Swords, Frank, D.O.
Clinical Assistant Professor, Surgery
Tacka, Francis, D.O.
Clinical Associate Professor, Medicine
Tamez, Gary L., D.O.
Clinical Assistant Professor,
General and Family Practice
Tarver, Denise L., D.O.
Clinical Assistant Professor,
General and Family Practice
Teitelbaum, David, D.O.
Clinical Assistant Professor,
General and Family Practice;
Clinical Instructor,
Manipulative Medicine
Theroux, Marc A., M.D.
Clinical Assistant Professor, Medicine
Thomas, William A. Jr., D.O.
Clinical Assistant Professor,
General and Family Practice
Thompson, Jeffrey C., D.O.
Clinical Associate Professor,
General and Family Practice
Thompson, John Paul, D.O.
Clinical Associate Professor,
General and Family Practice
Tisdale, C. Duane, D.O.
Clinical Associate Professor,
General and Family Practice
Todd, Robert C., D.O.
Clinical Associate Professor,
General and Family Practice
Trese, Thomas J., D.O.
Clinical Assistant Professor, Medicine
Truman, Michael E., D.O.
Clinical Associate Professor,
General and Family Practice
Tuinstra, T. J., D.O.
Clinical Assistant Professor, Surgery
Turbeville, Ann C., Ph.D.
Clinical Assistant Professor,
Psychiatry and Human Behavior
Turner, Thomas R., D.O.
Clinical Associate Professor, Surgery
Tyler, David W., D.O.
Clinical Assistant Professor,
General and Family Practice
Ungerleider, Barry I., D.O.
Clinical Associate Professor,
General and Family Practice
Van De Grift, William, D.O., F.O.C.O.O.
Clinical Associate Professor, Ophthalmology;
Clinical Associate Professor,
Otorhinolaryngology
Vasile, Salvatore R., D.O.
Clinical Associate Professor,
General and Family Practice
Ventling, Wayne L., II, D.O.
Clinical Assistant Professor, Radiology
Vick, Douglas E., D.O.
Clinical Instructor,
Manipulative Medicine
Vinson, Steve, D.O.
Clinical Assistant Professor, General and
Family Practice (Emergency Medicine)
Waddell, Daniel A., D.O.
Clinical Associate Professor, Medicine
Wakim, Paul E., D.O.
Clinical Associate Professor, Surgery
Walkenhorst, Donald C., D.O.
Clinical Assistant Professor,
General and Family Practice

Wallace, Arnold D., D.O.
Clinical Instructor, Anesthesiology
Wallace, William E., D.O.
Clinical Assistant Professor, Surgery
Wallingford, Craig R., D.O.
Clinical Assistant Professor,
General and Family Practice
Walton, John A., D.O.
Clinical Associate Professor,
General and Family Practice
Ward, Gordon P., D.O.
Clinical Associate Professor,
General and Family Practice
Watkins, Jeffrey W., M.D.
Clinical Assistant Professor, Medicine
Watson, Terry R., D.O.
Clinical Associate Professor,
General and Family Practice
Weinberg, Steven M., J.D.
Clinical Assistant Professor,
Medical Humanities
Weldon, Kent, D.O.
Clinical Assistant Professor, Surgery
Wheat, Carrol E., D.O.
Clinical Assistant Professor,
General and Family Practice
White, C. Catherine, D.O.
Clinical Assistant Professor, General and
Family Practice (Emergency Medicine)
White, Kenneth G., D.O.
Clinical Assistant Professor,
General and Family Practice
Whiteley, Michael J., D.O.
Clinical Assistant Professor,
General and Family Practice
Whitham, John, D.O.
Clinical Associate Professor,
General and Family Practice
Wilkes, David S., M.D.
Clinical Assistant Professor, Medicine
Willard, H. Thomas, D.O.
Clinical Instructor,
General and Family Practice
Willard, Ralph L., D.O., F.A.C.O.S.
Clinical Professor, Surgery
Williams, Clark E., D.O.
Clinical Instructor,
General and Family Practice
Williams, Michael D., D.O.
Clinical Instructor,
General and Family Practice
Wilson, Charles T., D.O.,
Clinical Assistant Professor, Surgery
Wilson, John W., D.O.
Clinical Associate Professor, Medicine
Wilson, Joseph E., Ph.D.
Adjunct Professor, Physiology
Winton, Kenneth R., D.O.
Clinical Instructor,
General and Family Practice
Wiseman, Rodney M., D.O.
Clinical Associate Professor,
General and Family Practice
Wolpmann, Joseph E., D.O.
Clinical Associate Professor,
General and Family Practice
Worrell, Paul Stephen, D.O.
Clinical Assistant Professor,
General and Family Practice
Wray, John A., D.O.
Clinical Assistant Professor,
General and Family Practice
Wright, James B., D.O.
Clinical Associate Professor,
General and Family Practice
Wright, John L., Jr., D.O.
Clinical Associate Professor,
General and Family Practice
Wyoski, Joseph, D.O.
Clinical Instructor,
General and Family Practice
Young, George C.
Adjunct Instructor,
Public Health and Preventive Medicine
(Rehabilitation/Sports Medicine)
Zegarelli, Louis D., D.O.
Clinical Assistant Professor,
General and Family Practice
Zeitler, Irvin E., Jr., D.O.
Clinical Associate Professor,
General and Family Practice

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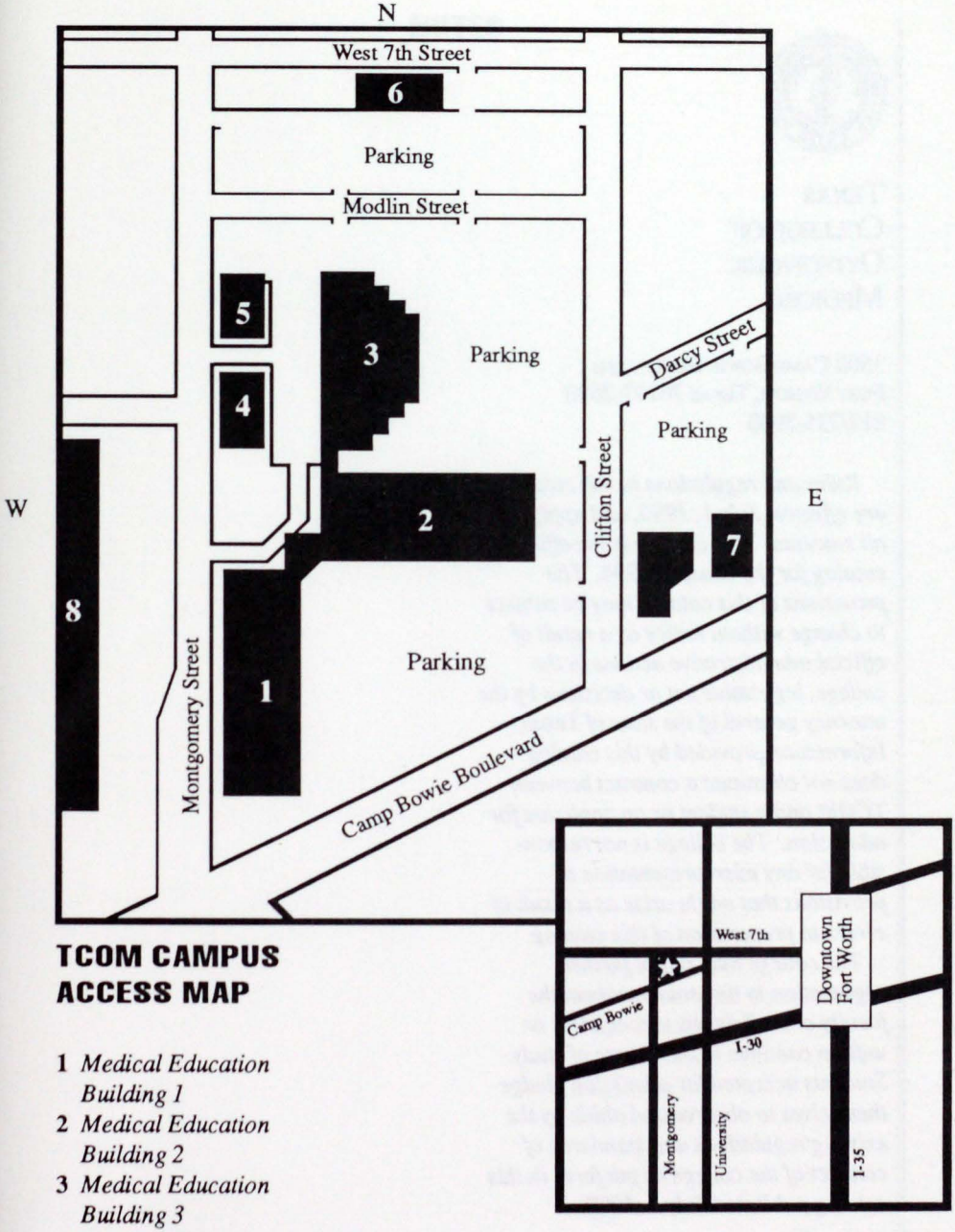

TCOM CAMPUS ACCESS MAP

1 *Medical Education Building 1*
2 *Medical Education Building 2*
3 *Medical Education Building 3*
4 *Medicine Clinic*
5 *Surgical Associates*
6 *Activity Center*
7 *Campus Police*
8 *Osteopathic Medical Center of Texas*

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COLLEGE OF
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3500 CAMP BOWIE BOULEVARD
FORT WORTH, TEXAS 76107-2690
817/735-2000

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