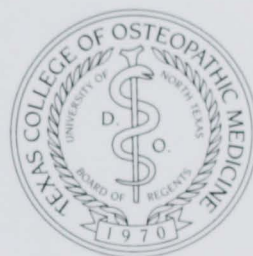




TEXAS  
COLLEGE OF  
OSTEOPATHIC  
MEDICINE

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1992-1993  
*Catalog*



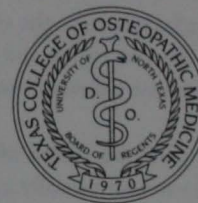




TEXAS  
COLLEGE OF  
OSTEOPATHIC  
MEDICINE

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1992-1993  
*Catalog*



TEXAS  
COLLEGE OF  
OSTEOPATHIC  
MEDICINE

3500 CAMP BOWIE BOULEVARD  
FORT WORTH, TEXAS 76107-2699  
817-735-2000

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TCOM is under the direction of the University of North Texas Board of Regents.

TCOM is an equal opportunity/affirmative action employer/educator. Females, minorities and those with disabilities are encouraged to apply.

## *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.

## *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.

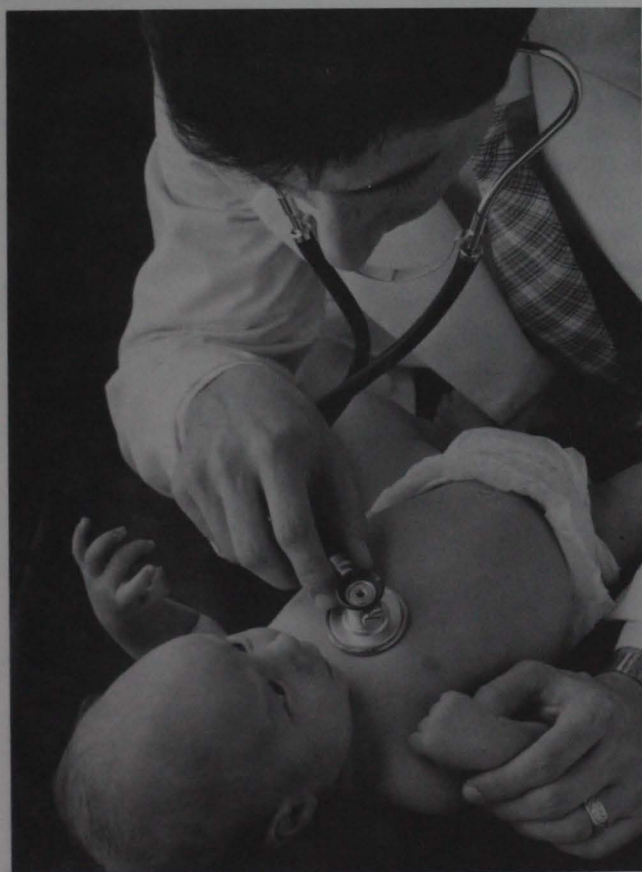
I will look with respect and esteem upon all those who have taught me my art. To my college I will be loyal and strive always for its best interests and for the interests of the students who will come after me. I will ever be alert to further the application of basic biologic truths to the healing arts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

\*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.



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				Sexual Harrassment			



# Administration

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## University of North Texas/Texas College of Osteopathic Medicine Chancellor

Alfred F. Hurley, Ph.D.

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 Benjamin L. Cohen, D.O., Vice President for Academic Affairs and Dean  
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 Thomas Yorio, Ph.D., Assistant Dean for Graduate Studies

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 Betty Belton, Registrar  
 Bobby R. Carter, Director of Library Services  
 Pat Casey, Director of Institutional Budgets and Grants Management  
 Tom Cox, Director of Biomedical Communications  
 David Barker, Ph.D., Interim Director of Computing and Telecommunication Services  
 William T. Foxworth, Assistant to the Vice President for Fiscal and Administrative Affairs  
 W. Rand Horsman, Director of Human Resource Services  
 Harry J. Marek, Director of Physical Plant  
 Mary McAnally, Director of Purchasing and Central Services  
 Greg McQueen, Assistant to the Vice President for Academic Affairs and Dean, Director of International Health-Related Programs  
 Steve Russell, Executive Director of Medical Practice Plan  
 James Sims, Ph.D., Safety Officer  
 Glenn Sparks, R.N., Director of Quality Assurance  
 Albert Srubar Jr., C.P.A., Controller  
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 Wayne Stockseth, Corpus Christi  
 E. Bruce Street Sr., Graham  
 Carson R. Thompson, Fort Worth

Information is current as of July 1, 1992



# Academic Calendar 1992-93

Fall Semester 1992		Spring Semester 1993	
August 10-13 Orientation for Year I students	October 23 Last day of fall classes for Year III students	January 4 First day of spring classes for Year I and II students	June 5 Commencement
August 14 Registration for Year I and Year II students	October 26 Clinical clerkships begin for Year III students	January 8 Fall semester grades for Year I and II students due to registrar	June 8-9 Administration of Step I: United States Medical Licensing Examination
August 17 First day of fall classes for Year I and Year II students	October 30 Fall semester grades for Semester 5, Year III students due to registrar	January 18 Martin Luther King Jr. Holiday*	June 10-11 Administration of Part I, National Board Exam
August 21 Last day to register for Year I and Year II classes	November 26-27 Thanksgiving Holiday*	January 18-19 Comprehensive examination for Year IV students	June 14-17 Administration of Federation Licensing Examination for 1993 Graduates
September 7 Labor Day Holiday*	December 18 Last day of fall classes for Semesters 1 and 3, Years I and II	March 18-19 Spring Break for Year I and Year II students	June 21 First day of classes for Semester 5, Year III students
September 11 Last day to withdraw with partial refund of tuition	December 24- January 1, 1993 Winter Holiday*	May 21 Last day of classes for Year I, II and IV students	
September 22-23 Administration of Step I: United States Medical Licensing Examination		May 31 Memorial Day Holiday*	
September 25 Convocation		June 4 Spring grade reports for Year I, II and IV students due to registrar	
October 15 Hospital Visitation Day			
October 22-23 Administration of Parts I and II, National Board Exam			

\*Holidays are for faculty, staff and students, but clinic schedules may vary.

# One / The College

## Mission

Texas College of Osteopathic Medicine is dedicated to a curriculum based on the promotion of good health. In 1980 the college adopted a precedent-setting statement of educational goals that outlined a plan for changing the emphasis in education of future physicians from a reactive treatment of disease to a proactive promotion of health. While recognizing its obligation to train students to attack existing disease in the traditional manner, TCOM concentrates equally on preparing future physicians to promote health and wellness among their patients.

Such an educational program allows TCOM not only to effectively serve society through the advancement of traditional medical knowledge but also explore 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 department and computing facilities. Several clinics, the Activity Center, General Services Building and Physical Plant Building are also on campus.

TCOM has a student body of about 400 and a workforce of about 600 staff and 170 faculty members. TCOM has awarded the doctor of osteopathy degree to 1,342 graduates.

## 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 and 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

## Clinics and Teaching Hospitals

*TCOM operates five general and family practice clinics and 19 specialty clinics/laboratories.*

*Students working in the 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 CHAMPUS Clinic  
Carswell Air Force Base  
Robert L. Thompson Strategic Hospital  
Fort Worth, Texas  
Stephen F. Urban, D.O., Director

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

Godley Family Practice Clinic  
117 Main Street, Godley, Texas  
Mary Ward, D.O., Director

Northside Family Practice Clinic  
1851 Harrington, Fort Worth, Texas  
Richard Baldwin, D.O., Director

Southside Family Practice Clinic  
1025 S. Jennings  
Fort Worth, Texas  
Nancy Faigin, D.O., Director

*Specialty clinics/laboratories operated by other TCOM academic departments include:*

Carswell Air Force Base  
CHAMPUS Mental Health Clinic

DNA/Identity Laboratory

Gerontology Assessment and Planning

Hyperbaric Oxygen Treatment Center

Internal Medicine Clinic

Internal Medicine Nephrology Division

Internal Medicine Northeast

International Travel Medicine

Obstetrical and Gynecological Consultants

Occupational and Personal Health

Osteopathic Manipulative Medicine

Pathology/Clinical Laboratory

Psychiatry and Human Behavior

Public Health/Preventive Medicine

Radiology

Sports Medicine/Rehabilitation

Surgical Associates of Fort Worth

Westside Internal Medicine Clinic

Westside Pediatric Consultants

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

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

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

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



named it one of the 10 top mid-sized cities in the United States.

## 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 the Health Sciences Library and Biomedical Communications.

### 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 116,000 bound volumes and more than 2,000 biomedical journal titles.

The library's Special Collections includes more than 1,700 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 also are 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 National Network of Libraries of Medicine, South Central Region (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

Darnall Army Community Hospital  
Fort Hood, Texas

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

Osteopathic Medical Center of Texas  
Fort Worth, Texas  
Fred Brenner, D.O., Acting Director  
of Medical Education

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

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

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

Tri City Health Centre  
Dallas, Texas  
Edward Panousieris, D.O.  
Director of Medical Education

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

William Beaumont Army  
Medical Center  
El Paso, Texas



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 students 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 53,000 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, electronic engineering and microfiche, 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, audio-visual systems design and conversion of paper files to microfilm 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**

Computing Services provides the college with quality computer-related services throughout the campus. The Computing Resources division of the department supports TCOM with services to academic, academic administrative and fiscal administrative areas of the college.

Evaluation Services provides scoring of didactic and clerkship examinations, evaluation of courses and instructors, the administration



of the senior comprehensive examinations and predictions of Federation Licensing Examination scores for the senior class. Evaluation Services also administers the National Board of Medical Examiners subject examinations and the United States Medical Licensing Examination external licensure tests and 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 both internal and external management information into a common database and generates various types of management reports.

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 high-speed T1 link connection is maintained to mainframe computers at the University of North Texas.

Computer User Support Services provides consultation and assistance with hardware and software installation and use, printing and computer purchases. This division also provides introductory and advanced

training classes as they are needed.

Telecommunication Services operates and maintains the campus-wide telephone system with state-of-the-art equipment and software. Telecommunications also manages the telephone voice mail system and all pagers and answering services, and advises users on cellular phones. In cooperation with computer services, telecommunications is responsible for all computer network connections.

#### 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, National Science Foundation, National Aeronautics and Space Administration, 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. 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.



## Two / Admissions, Financial Aid and Fiscal Policies

### Admission Requirements

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

- **The Medical College Admission Test (MCAT).** The MCAT must have been taken no earlier than three years before application. The MCAT is administered in the spring and fall of each year. **Applicants are strongly urged to take the spring MCAT in the year before possible matriculation.** Results from the fall MCAT will delay the completion of an application. Later scores may be considered at the discretion of the Admissions Committee. Information about the MCAT may be obtained by writing:

The American College Testing Program  
P.O. Box 414  
Iowa City IA 52243

- **Three years of college** (90 semester hours or the equivalent number of quarter hours) at an accredited college or university. Strong preference will be given to applicants who have earned a bachelor's degree before matriculation.

Required college-level courses taken for graded credit are:

- **Biology:** One academic year with laboratory experience as required for biology majors. Courses should cover the cellular and molecular aspects, as well as the structure and function, of living organisms.

- **Chemistry:** Two academic years with laboratory experience as required for chemistry majors. Academic year courses in general (or inorganic) and organic chemistry usually meet this requirement. Other options that adequately prepare students for the study of biochemistry and molecular biology in medical school will be acceptable.

- **Physics:** One academic year with laboratory experience as required for physics majors.

- **Expository Writing:** One academic year. May be met with courses in creative writing, English or non-science courses that involve considerable expository writing.

Beyond these requirements, applicants are strongly encouraged to broaden their education by taking courses in the behavioral sciences and the humanities. The choice of a major field(s) of study is up to the applicant.

The processing of an application will be delayed if MCAT scores or grades from required courses are not included in the original application.

### Health and Technical Standards

All candidates must meet health and technical standards to be admitted and participate in the educational programs of TCOM. Because the D.O. degree signifies that the holder is a physician prepared for entry into the practice of medicine within

postgraduate training programs, it follows that the graduates must have the knowledge and skills to function in a broad variety of clinical situations and be able to provide a wide spectrum of patient care.

A candidate for the D.O. degree must have abilities and skills in five areas: observation; communication; motor; conceptual, integrative and quantitative; and behavioral and social. Technological compensation can be made for some disabilities in certain areas, but a candidate should be able to perform in a reasonably independent manner. The use of a trained intermediary means that a candidate's judgement must be mediated by someone else's power of selection and observation.

1. **Observation.** The candidate must be able to observe demonstrations and experiments in the basic sciences including, but not limited to, physiologic and pharmacologic demonstrations in animals, microbiologic cultures and microscopic studies of microorganisms and tissues in normal and pathologic states. A candidate must be able to observe a patient accurately at a distance and close at hand. Observation requires the functional use of the sense of vision and somatic sensations. It is enhanced by the functional use of the sense of smell.

2. **Communication.** A candidate should be able to speak, hear and observe the patients in order to elicit information; describe changes in mood, activity and posture; and

perceive nonverbal communications. A candidate must be able to communicate effectively and sensitively with patients. Communication includes not only speech but also reading and writing. The candidate must be able to communicate effectively and efficiently in oral and written form with all members of the health care team.

3. **Motor.** Candidates should have sufficient motor function to elicit information from patients by palpation, auscultation, percussion and other diagnostic and therapeutic maneuvers. A candidate should be able to do basic laboratory tests (urinalysis, CBC, etc.), carry out diagnostic procedures (proctoscopy, paracentesis, etc.), and read EKGs and X-rays. A candidate should be able to execute motor movements reasonably required to provide general care, osteopathic manipulation and emergency treatment to patients. Examples of emergency treatment reasonably required of physicians are cardiopulmonary resuscitation, the administration of intravenous medication, the application of pressure to stop bleeding, the opening of obstructed airways, the suturing of simple wounds and the performance of simple obstetrical maneuvers. Such actions require coordination of both gross and fine muscular movements, equilibrium and functional use of the senses of touch and vision.

4. **Intellectual—Conceptual, Integrative and Quantitative Abilities.** These abilities include



measurement, calculations, reasoning, analysis and synthesis. Problem solving, the critical skill demanded of physicians, requires all of these intellectual abilities. In addition, candidates should be able to comprehend three-dimensional relationships and to understand the spatial relationships of structures.

5. Behavior and Social Attributes. Candidates must have the emotional health required for full use of their intellectual abilities, the exercise of good judgement, the prompt completion of all responsibilities attendant to the diagnosis and care of patients and the development of mature, sensitive and effective relationships with patients. Candidates must be able to tolerate physically taxing workloads and to function effectively under stress. They must be able to adapt to changing environments, display flexibility and learn to function in the face of uncertainties inherent in the clinical problems of many patients. Compassion, integrity, concern for others, interpersonal skills, interest and motivation are all personal qualities that will be assessed during the admission and education processes.

## Application Procedures

TCOM participates 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 doctor of osteopathy (D.O.) degree. Students applying for transfer should request application information from the TCOM Office of Admissions. (See Procedures for Transfer, p. 12)

The procedures are:

1. For the entering class of 1993: Applications can be submitted to AACOMAS beginning **July 1, 1992; the deadline for receipt of applications is December 1, 1992.** 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, preferably no later than November 1.** Direct applications from Texas residents only may be considered at the discretion of the Admissions Committee after the close of applications to AACOMAS.

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 December 1 deadline for receipt of these materials by AACOMAS.

3. Await notification of the receipt of the application. An applicant will first receive notice from AACOMAS and later from the TCOM Office of Admissions.

For each applicant, there will be an initial review of MCAT scores, the AACOMAS application and the entire academic record. After this screening, a decision will be made on whether or not to continue processing the application. If the application is considered further, the following information will be requested:

- Responses to a supplemental application form.
- 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.
- 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.

After all required letters of evaluation are received, they will be added to the applicant's file and reviewed along with the other supporting materials. The Admissions Committee will then decide which applicants to invite for personal interviews. Applicants who are not invited for interviews will be withdrawn from further consideration.

Applicants accepted before June 1 may delay their medical education for one year and are guaranteed admission the following year. The request for deferment must be in writing. For purposes of documenting their intent applicants who delay matriculation must submit an AACOMAS Early Decision Plan application to TCOM, but no additional materials or interviews are required.

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.



## Early Decision Program

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

- are Texas residents.
- have exceptional GPA and MCAT scores.
- apply only to TCOM.

Applicants who are interested in the EDP should submit their application to AACOMAS as soon as possible after July 1. The Office of Admissions must receive all application materials no later than September 1. If an applicant is accepted under the EDP, the applicant is obliged to accept the offer.

For well-qualified candidates who have a preference for TCOM and desire an early decision, the EDP is an advantage.

## 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 selects applicants who are academically competent to

accomplish the work necessary to successfully progress through the curriculum and who demonstrate the greatest promise of becoming competent osteopathic physicians. Academic excellence alone does not assure acceptance. 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. An interviewed candidate can be accepted, rejected or placed on an alternate list.

There is no prejudice for or against any applicant who reapplies. If possible, such applicants are encouraged to identify any liabilities and rectify them before reapplying through AACOMAS. Applicants who are not accepted have the opportunity to review their applications with an admissions officer in an effort to pinpoint the reason(s) for the action.

**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.**

## Student Diversity

TCOM actively recruits qualified ethnic minorities and promotes the benefits of multicultural awareness and diversity. 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 the admissions, student affairs and financial aid offices.

## Procedures for Transfer

Students enrolled in fully accredited medical colleges in the United States may be considered for admission in advanced standing (transfer) to the third year of medical studies at TCOM upon completion of the equivalent of the first two years of medical education as now offered at TCOM. The applicant must have valid personal reasons for transfer, maintained good academic standing and met all other requirements for admission. Applicants must be making normal

curricular progress at the school where they are enrolled and be eligible for continuation there. The entire clinical curriculum must be completed at TCOM.

Admission is on a competitive basis, and the number admitted depends upon the availability of a place in a given class. No specific number of spaces is set aside for transfer candidates.

## Guidelines for Eligibility

- An applicant who has been dismissed from or has withdrawn from another medical college for academic reasons will not be considered for transfer.

- An applicant who has previously applied to TCOM for admission as a first-year student and was not accepted will be considered for advanced standing only if academic performance in medical school has been distinguished as determined by the Admissions Committee.

- An applicant who has taken all premedical or medical school studies in foreign institutions—including the medical schools of the Caribbean region—will not be considered for admission in advance standing.

- Applicants from related professions, such as dentistry, or those who have completed the sciences basic to medicine as a graduate or health professional student are considered for admission only to the first year of medical class, regardless of the degree held. However, if admitted, such students can request advance



placement examinations in the subject areas previously completed.

### Requirements

- A completed application obtained from the Office of Admissions and a filing fee of \$100. The **deadline** for receipt of applications is **February 1 of the year of proposed matriculation**. All necessary supporting documents must be received by March 1 of the year of proposed matriculation. Incomplete applications will be withdrawn from further consideration. **No exceptions will be made.**

- Official transcripts from all undergraduate colleges, graduate schools and medical colleges. Official transcripts of the most recent medical school studies completed are needed first. **Copies of transcripts are not acceptable.**

- A letter of evaluation from the dean of students at the medical school currently being attended.

- Official scores from all Medical College Admission Tests (MCAT) taken.

- Passing scores on all external examinations taken (NBOME, USMLE). Official test results should be sent directly to the Office of Admissions from the testing boards. Applicant should indicate when examinations are to be taken if no scores are available.

- A personal statement of reasons for applying for admission in advanced standing. This statement should be addressed to the Admissions Committee.

- A personal interview. Applicants who are under serious consideration may be invited to TCOM for personal interviews at the discretion of the Admissions Committee.

- In addition to meeting all prerequisite course requirements, an applicant for admission in advanced standing must have satisfactorily completed the same curricular content as that required of second-year medical students at TCOM—including certain clinical science courses and osteopathic clinical principles. Advanced standing applicants may be required to pass proficiency examinations in physical examination, interviewing and manipulation skills before full admittance to the third year is granted. For more information on the curriculum for the first two years at TCOM, please contact the Office of Admissions.

**The Admissions Committee will consider only applications that are complete in every aspect.**

## 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.

## 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.

## 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 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, 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 percent fourth week.



## 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 eligible 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
- Scholarship for Disadvantaged Students
- 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 Dallas/Fort Worth 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.

## Tuition, Fees and Other Charges

1992-93 in-state tuition: \$6,550.

1992-93 out-of-state resident/foreign student tuition: \$19,650.

Estimated 1992-93 expenses for nine months for a single student: \$19,536 (includes in-state tuition, fees, books, supplies, room and board, transportation and personal expenses).

The following fees apply to all students during the 1992-93 academic year:

**Student Service Fee:** \$155 per academic year (includes cholesterol screening fee for first-year 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 for first-year students.

**Laboratory Fee:** \$25 per academic year for first- and second-year students.

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

The following fees also are in effect during the 1992-93 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.

**Late Tuition Payment Fee:** The rate is \$15 per month to be applied as of the first day of the month following each beginning semester date.

**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.

**Parking Fee (Optional):** Reserved parking with assigned space is available at \$90 per academic year; restricted parking without assigned space is available at \$30 per academic year.



# Three/ 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 college documents.

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 partici-

pate 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.

Students 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, p. 13, for more information.)

### **Immunizations**

The Texas Department of Health requires that all students in higher education institutions must show proof of immunizations before registration. Any validated document of immunization presented by a student is acceptable provided it shows the day, month and year when each immunization was received. Proof of required immunizations must be submitted to the registrar at the time of registration.

Such proof is not required for an individual who submits an affidavit or certificate signed by a physician licensed to practice in the United States that states, in the physician's opinion, the required immunization would be injurious to the health and well-being of the student or any member of his or her family or household. Unless a lifelong condition is specified, the affidavit or certificate is valid for one year from the date signed by the physician and must be renewed every year for the exclusion to remain in effect.

Immunization conditions required by the Texas Department of Health are that: all students born after January 1, 1957, who are enrolled in health-related courses that involve direct patient contact

in medical care facilities must show proof of two doses of measles vaccine, one dose of mumps vaccine or proof of immunity to these diseases; and all students must show proof of one dose of tetanus/diphtheria vaccine within the past 10 years; all students enrolled in health-related courses must show proof of either one dose of rubella vaccine administered on or after the first birthday or serologic proof of rubella immunity; all medical students, residents and interns shall receive a complete series of hepatitis B vaccine or show proof of serologic immunity.

Prospective students may be given provisional enrollment of up to one semester to attend classes while getting the required immunizations or documentation as long as no direct patient care is involved.

Student health care providers cannot be provisionally enrolled without the receipt of at least one dose of the MMR vaccine if direct patient contact will occur during the provisional enrollment period.

### **Hospitalization Insurance Coverage**

All students are required to provide for their own health insurance while attending TCOM. Effective June 1, 1992, each student enrolled is required to show proof of health/hospitalization insurance at the time of registration. Recognized proof of coverage is a photocopy of the policy naming the student as insured or a letter from the insurance company stating that the student is insured

for hospitalization care. Proof of coverage must be submitted to the registrar.

Students without insurance coverage may elect to purchase hospitalization insurance from a carrier of their choice or purchase the Student Hospitalization Plan endorsed by the college. Insurance information, rate of annual premium and applications may be obtained from the Office of Student Affairs.

## **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, scholarships and degrees. At the student's request, a class rank may be shown on the transcript.

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 will be removed or deleted from a student's official permanent record once properly recorded, except in the case of inaccurate recording. All incomplete "I" grades will remain on the student's transcripts, but will be slashed and the earned grade recorded next to the incomplete grade. 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

A grade of "I" (Incomplete) will be assigned only when a student has not completed all academic requirements and assignments, including regular examinations, due to documented illness or circumstances beyond a student's control. A student may not advance to the next academic year until all failures and incomplete ("I") grades are remedied. All incomplete "I" grades will remain on the student's transcript, but will be slashed and the earned grade recorded next to the incomplete grade. 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.

Any student who fails to meet this requirement will receive a grade of "I" (Incomplete), which can be remedied only by satisfactory completion of the course/instructor evaluations. The incomplete "I" grade will remain on the students transcript, but will be slashed and the earned grade recorded next to the incomplete grade.

## **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**

To qualify for advanced placement a student must have taken a course judged equivalent by the appropriate academic department within two years before the first date of classes at TCOM and must have been awarded a minimum grade of "B." Candidates who fail 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.

Requests for advanced placement or waiver for any TCOM course must be declared by the student on the day of first registration at TCOM or not later than the first day of classes of the first year of study. The student must then present all supporting documents to the appropriate academic department through the Office of the Registrar. In the case of a first semester, Year 1 course, the student is required to attend all classes and take all exams until the disposition of the advanced placement request. 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 Medical 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 second year. To be



eligible, a student must have received a passing grade in courses totaling one-half of the semester credit hours in the second-year curriculum.

A student is required to pass Part I (per the minimums established by the National Board of Osteopathic Medical 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 third-year 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 Medical 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 Osteopathic Medical 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.

#### **Policy for Licensing Examination Review Program**

TCOM provides a review program for all fourth-year students who are scheduled to take the examination administered by the Texas State Board of Medical Examiners and/or the examination administered by the National Board of Osteopathic Medical Examiners. The college encourages all fourth-year students to utilize this program. All fourth-year students who meet either of the criteria specified below are *required* to attend all sessions of the Licensing Examination Review Program conducted by the TCOM faculty and to complete all assignments in the program.

The criteria are as follows:

- GPA below 85;
- Failure on any section of either Part I or Part II of the examination administered by the National Board of Osteopathic Medical Examiners.

#### **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 promote academic excellence throughout the college program. Honors are determined after academic semesters 1 through 5, semester 8 and at graduation. Academic honors are noted on the student's official permanent record.

The Dean's List for semesters 1 through 5 recognizes those students whose weighted averages are 90 percent or greater and who 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. A Dean's List for Semester 8 recognizes those students who have demonstrated academic excellence on their clinical rotations and whose cumulative clinical rotations, weighted averages are 90 percent or greater and who make up the highest 10 percent of the graduating class.

Academic honors are awarded with the degree at graduation ceremonies to the graduates whose cumulative weighted average is 90 percent or greater and who 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 Medical 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 application for voluntary withdrawal will not be entitled to an official 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.

Students who are granted

readmission following withdrawal will re-enter at the beginning of an academic year and must register for all courses scheduled during the academic year of their withdrawal, including those previously completed and passed.

### 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 Medical 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 1996

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 Medical 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.*





# Four/ Curriculum

## Curriculum Overview

The Texas College of Osteopathic Medicine curriculum is a four-year program leading to the degree of doctor of osteopathy. Emphasis is 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 primarily to instruction in the preclinical sciences. These are presented along with the fundamental clinical concepts and techniques of the osteopathic physician's approach to the patient. Instruction in the basic and clinical sciences is integrated wherever possible to enhance learning.

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

The next 20 months of the academic program comprise clerkship rotations and preceptorship assignments. During semesters 6 and 7 each student rotates through a series of 19 required preceptorships, and clinic and hospital clerkships. These four-week clinical 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 two-week 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 classroom settings, the use of other teaching methods and materials is increasing. Numerous opportunities are provided for laboratory instruction in the preclinical sciences. The instructional program also contains computer-assisted instruction, small-group teaching, specialized workshops and simulated clinical experiences. Evaluation of student performance uses computerized testing, objective structured clinical examinations (OSCEs), competency-based assessments, observational techniques and standard paper-and-pencil tests.

Beginning with the first semester, students are 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 that will play a role in their lives as health care providers.

During the second year, students are assigned to the office of an area osteopathic physician to

experience firsthand the activities of general practice to remind students of TCOM's commitment to primary care. This assignment provides a gradual transition from the classroom to clinical settings.

## Curriculum Goals

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

A primary goal is to help each student 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 the skills required for clinical decision making.

TCOM's administration and faculty have committed themselves to a 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 homeostasis, 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 for another. In the face of existing and accumulating disease and disablement, it is essential to adequately prepare students 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 TCOM's educational program are broader than 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 help TCOM graduates meet the health care needs of Texas and the nation today and into the 21st century.

## Sequence of Courses

### Year 1, Semester 1

Biochemistry  
Embryology  
Gross Anatomy  
Manipulative Medicine I  
Medical Interviewing  
Nutrition

### Year 1, Semester 2

Basic and Clinical Immunology  
Manipulative Medicine II  
Medical Histology and Cell Biology  
Medical Physiology  
Neurobiology  
Physical Examination

**Also to be completed before Semester 3:** Computer Literacy I

### Year 2, Semester 3

Manipulative Medicine III  
Medical Microbiology  
Pathology I  
Pharmacology  
Physical Diagnosis  
Psychiatry  
Public Health and Preventive Medicine

### Year 2, Semester 4

Anesthesiology  
Gynecology  
Manipulative Medicine IV  
Medical Ethics  
Medical Jurisprudence I  
Medicine  
Pathology I (cont'd.)  
Pathology II  
Pediatrics  
Psychiatry (cont'd.)  
Surgery  
Systems Biochemistry

**Also to be completed before Semester 5:** Computer Literacy II

### Year 3, Semester 5

Dermatology  
Introduction to Emergency Medicine  
Manipulative Medicine V  
Medical Decision Making (elective)  
Medicine (cont'd.)  
Obstetrics  
Pediatrics (cont'd.)  
Radiology  
Sports Medicine/Rehabilitation  
Surgery (cont'd.)

### Year 3, Semester 6 and Year 4, Semester 7

Core Clerkships  
Ambulatory Care (12 weeks)  
Emergency Medicine (4 weeks)  
General Practice Junior Partnership (4 weeks)  
Medicine (8 weeks)  
Mental Health (4 weeks)  
Obstetrics and Gynecology (4 weeks)  
Pediatrics (4 weeks)  
Subspecialty Internal Medicine (4 weeks)  
Surgery (8 weeks)  
Elective Clerkships (24 weeks)  
Vacation (optional) (4 weeks)

### Year 4, Semester 8

Advanced Cardiac Life Support Certification  
Medical Jurisprudence II  
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; 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 sequential numbers for course identification.

Many of the courses listed are taught cooperatively by faculty from several departments. Interdepartmental teaching is encouraged throughout the curriculum.

A complete faculty roster begins on page 35.



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## DEPARTMENT OF ANATOMY AND CELL BIOLOGY

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*James E. Turner, Ph.D., chairman*

### 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.

### 5202. 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 2.

### 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. The course is coordinated with Gross Anatomy so that the units in each region, consisting of lectures and a clinical case workshop, complement the presentations in Gross Anatomy.

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.

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## DEPARTMENT OF ANESTHESIOLOGY

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*Paul A. Stern, D.O., chairman*

### 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 concepts and skills with which all physicians should be familiar:

- techniques 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 techniques, 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.

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## DEPARTMENT OF BIOCHEMISTRY AND MOLECULAR BIOLOGY

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*Robert W. Gracy, Ph.D., chairman*

### 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. Systems 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.

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## DEPARTMENT OF DERMATOLOGY

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*Paul A. Stern, D.O., acting chairman*

### 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.



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## DEPARTMENT OF GENERAL AND FAMILY PRACTICE

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*Samuel T. Coleridge, D.O., chairman*

*John R. Bowling, D.O., vice chairman*

Division of Emergency Medicine

*Frank J. Papa, D.O., director*

Division of Substance Abuse

*Nancy Faigin, D.O., director*

Division of Rural Health

*Donald A. Kennedy, Ph.D., administrative director*

*Robert M. Woodworth, D.O., medical director*

Office of Urban Health

*Sarah Peyton, M.S.S.W., administrator*

### 6101. Medical Interviewing

Medical Interviewing is the first portion of clinical courses that focus on the basic skills used by osteopathic physicians. This course teaches effective physician/patient communication skills. Students learn how to interact with simulated patients, using basic interviewing techniques, in order to obtain information concerning health problems and family histories.

2 semester hours, first year, semester 1.

### 6201. Physical Examination

This course teaches the student comprehensive structural and physical exam skills. Students continue assessment of the patient through physical examination. Normal findings are stressed. Lectures are coupled with laboratory training sessions. In certain sessions students interact with simulated patients in the context of physical data collections. Clinical problems are periodically integrated with the normal findings.

2 semester hours, first year, semester 2.

### 6301. Physical Diagnosis

Physical Diagnosis teaches students to integrate skills learned in semesters 1 and 2 in actual patient encounters during clinical laboratory sessions. Students continue to develop their skills in interaction with patients while obtaining and recording information concerning patient health problems and family histories, continuing to perfect basic interviewing techniques. During this course the students begin the study of common abnormal findings. Lectures on physical diagnosis are coupled with laboratories. Students also complete assignments with a community-based physician and at community health care facilities. Emphasis is on history & physical interviewing and recording. Skin, HEENT, respiratory system, cardiovascular system, the reproductive systems, the musculoskeletal and nervous systems, and the gastrointestinal system are emphasized. 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.

3 semester hours, second year, semester 3.

### 6501. Introduction to Emergency Medicine

This course incorporates a small number of selected, high-impact topics most relevant to emergency medical care. Topics are presented in a problem-oriented fashion. The course is divided into didactic and skills sections. The didactic portion focuses primarily on the differential diagnosis of selected problems. In the skills sessions, students will learn, integrate and demonstrate the cognitive and psychomotor skills related to the covered topics.

2 semester hours, third year, semester 5.

### 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.

### 703. Core Clinical Clerkship in Emergency Medicine

A required four-week rotation in emergency medicine.

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.

### 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.

### 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.

1 semester hour, fourth year, semester 8.



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## DEPARTMENT OF MANIPULATIVE MEDICINE

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*Jerry Dickey, D.O., chairman*

The Osteopathic Manipulative Medicine series 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.

### **6100. Osteopathic Manipulative Medicine I**

3 semester hours, first year, semester 1.

### **6200. Osteopathic Manipulative Medicine II**

3 semester hours, first year, semester 2.

### **6300. Osteopathic Manipulative Medicine III**

2 semester hours, second year, semester 3.

### **6400. Osteopathic Manipulative Medicine IV**

3 semester hours, second year, semester 4.

### **6500. Osteopathic Manipulative Medicine V**

1 semester hour, third year, semester 5.

### **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.

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## OFFICE OF MEDICAL EDUCATION

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*J. Warren Anderson, Ed.D., chairman*

### **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.

### **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.

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## DEPARTMENT OF MEDICAL HUMANITIES

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*Clyde Gallehugh, D.O., chairman*

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.

### **6402. Medical Jurisprudence I**

Legal aspects of medical practices, including legal principles, classifica-



tion of legal theories, medical-legal reports, requirements for court testimony, negligence, medical malpractice and organization of medical practice.

1 semester hour, second year, semester 4

#### **6403. Medical Ethics**

An introduction to biomedical ethics. Through lectures, class discussions and case studies, current major medical ethical issues in health care are discussed. Students learn the skills of ethical analysis essential to making medical moral choices and have the opportunity for critical reflection on one's personal values and obligations as a physician.

1 semester hour, second year, semester 4.

#### **6858. Medical Jurisprudence II**

A review of Texas Medical Jurisprudence, including drug laws, fraud and abuse, licensure and disciplinary action, reporting requirements and hospital law.

1 semester hour, second year, semester 8

#### **813. Clinical Clerkship in Medical Humanities**

An elective four-week rotation in medical humanities.

4 semester hours.

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### **DEPARTMENT OF MEDICINE**

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*Michael Clearfield, D.O., chairman*

*Monte Troutman, D.O., vice chairman*

#### **6102. Nutrition**

This course introduces the student to basic nutritional principles and provides an opportunity to apply those principles through a nutritional analysis of personal dietary habits.

1 semester hour, first year, semester 1.

#### **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.

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**DEPARTMENT OF MICROBIOLOGY AND IMMUNOLOGY**


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*Paul F. Cook, Ph.D., chairman*

**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 integrated with the study of infectious diseases. 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.

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**DEPARTMENT OF OBSTETRICS AND GYNECOLOGY**


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*Robert C. Adams, D.O., chairman*

**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.

**6547. Obstetrics**

The terminology, physiology and management of normal and problem pregnancy, labor, delivery and the puerperium.

2 semester hours, third year, semester 5.

**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.

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**DEPARTMENT OF PATHOLOGY**


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*Stephen L. Putthoff, D.O., chairman*

**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.

**6430. 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. The course includes a comprehensive survey of clinical pathology topics with associated workshops.

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.



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## DEPARTMENT OF PEDIATRICS

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*Bruce G. Gilfillan, D.O., chairman*

### 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.

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## DEPARTMENT OF PHARMACOLOGY

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*Harbans Lal, Ph.D., chairman*

### 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.

7 semester hours, second year, semester 3.

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## DEPARTMENT OF PHYSIOLOGY

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*Carl E. Jones, Ph.D., chairman*

### 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.

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## DEPARTMENT OF PSYCHIATRY AND HUMAN BEHAVIOR

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*Harvey G. Micklin, D.O., chairman*

*James R. Hall, Ph.D., vice chairman*

### 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.



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## DEPARTMENT OF PUBLIC HEALTH AND PREVENTIVE MEDICINE

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*John G. Mills, D.O., chairman*  
*Stanley Weiss, D.O., vice chairman*

Division of Occupational Medicine and Personal Health  
*Scott Taylor, D.O., director*  
Division of Public Health/Community Medicine  
*Robert M. Woodworth, D.O., director*  
Division of Sports Medicine/Rehabilitation  
*Alan R. Stockard, D.O., director*

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 the teaching of preventive medicine and sports medicine.

### 6363. Public Health and Preventive Medicine

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 workshop designed to provide additional insight and practical experience in selected areas of personal interest.

3 semester hours, second year, semester 3.

### 6505. Sports Medicine and Rehabilitation

Sports Medicine refers to the diagnosis, treatment and early rehabilitation of sports-related injuries or illnesses. This course presents the principles of sports medicine and rehabilitation for primary care physicians.

1 semester hour, third year, semester 5.

### 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 Occupational Medicine and Personal Health

An elective four-week rotation in occupational and personal health.

4 semester hours.

### 819. Clinical Clerkship in Sports Medicine/Rehabilitation

An elective four-week rotation in sports medicine and rehabilitation.

4 semester hours.

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## DEPARTMENT OF RADIOLOGY

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*S.R. Briney, D.O., acting chairman*

### 6571. Principles of Radiology

The study of the basic principles of diagnostic X-ray, CT scanning, ultrasound, nuclear medicine, magnetic resonance and interventional radiology; 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.

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## DEPARTMENT OF SURGERY

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*Sam W. Buchanan, D.O., acting chairman*

### 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.

8 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.



**816. Clinical Clerkship in Otorhinolaryngology**

An elective four-week rotation in otorhinolaryngology.

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.

## *Dual-Degree Programs*

### **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 students 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 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 90 credit hours, of which 45 credits of TCOM coursework applies. The student will be required to pass Part I of the examination administered by the National Board of Osteopathic Medical 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 II 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 90 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 the Assistant Dean for Graduate Studies at TCOM.

### **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 30 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 should contact the Office of the Assistant Dean for Graduate Studies at TCOM during the early planning stages about specific requirements in each of the divisions.

## *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 Office of the Assistant Dean for Graduate Studies at TCOM for details. The Ph.D. programs are offered through the appropriate doctoral degree-granting department at UNT, including biochemistry, biological sciences and psychology. For details, consult the UNT Graduate Bulletin, as well as the Office of the Assistant Dean for Graduate Studies 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

TCOM offers the following residency programs which are conducted at the college, its affiliated hospitals and, where appropriate, other institutions that can provide quality educational experiences for our residents. TCOM firmly endorses the completion of more than one year of postgraduate training and supports the completion of a one-year rotating internship either as a part of a residency program (such as in general and family practice) or precursory training to be followed by residency training.

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

*Paul A. Stern, D.O., director.*

### 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 four 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 pursuant to certification in general practice.

*Samuel T. Coleridge, D.O., director*

*Osteopathic Medical Center of Texas and TCOM*

*Stuart Isaccson, D.O., director*

*Larry Johnson, M.S.W., administrator*

*Dallas Family Hospital*

*Craig Yetter, D.O., director*

*Dallas/Fort Worth Medical Center*

*Greg Maul, D.O., director*

*Southside Community Hospital (Corpus Christi)*

*Brian Knight, D.O., director*

### 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 residents 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.

*Francis X. Blais, D.O., director*

### Residency Program in Manipulative Medicine

TCOM offers an American Osteopathic Association-approved residency program for training qualified osteopathic physicians in manipulative medicine. The TCOM program provides the educational requirements to qualify the resident to sit for exam and receive certification in special proficiency in manipulative medicine offered by the American Academy of Osteopathy and for eventual examination pursuant to certification in manipulative medicine.

*Jerry L. Dickey, D.O., director*

### 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.

*Steve Buchanan, D.O., director*

### Residency Program in Psychiatry

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

*Harvey G. Micklin, D.O., director*

### 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.

*Robert McFaul, D.O., director*

### 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.

*Donald Ross, D.O., and Wayne Hey, D.O., co-directors*



## Office of Student Affairs

This office assists the president of the college in interpreting student needs, creating an atmosphere that stimulates learning and 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 student development, academic assistance, financial aid and the registrar.

### Guidance, Counseling and Academic Advisement

The Student Development Office provides assistance to students from the time they apply for admission to TCOM through matriculation. Services provided through this office include the coordination of orientation week for incoming medical students, housing, child care, employment resources for student spouses, as well as information about Fort Worth and the surrounding area. A week-long orientation program (including a learning strategies workshop and class registration) is scheduled each fall to provide first-year medical students with an opportunity to meet their classmates, faculty and administration, and to provide information

and details about important aspects of the curriculum and the college. Attendance at orientation is mandatory for all incoming students.

The Academic Assistance Office conducts a two-day learning strategies workshop for incoming students during the week of orientation. This program includes training in note-taking and test-taking, as well as specific study skills pertinent to fall semester course. A follow-up workshop occurs in January to assist first-year students in preparing for the spring semester courses.

Academic assistance 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 to provide direction and support in periods of academic difficulty, to plan alternate programs and to assist in reassessment of priorities.

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 or the Student Development Office.

### Housing

The Student Development Office provides resources on housing for incoming and current

students. TCOM does not have on-campus student housing available. Resources are provided to assist students in making their own living arrangements. Resources include available housing in the immediate TCOM and Fort Worth areas, apartment locator service information, relocation guides, regional crime statistics and temporary housing information.

### Child Care

TCOM provides students with information on child care options available in the area, including day-care facilities and family homes in the area, as well as temporary baby-sitting services.

### Job Hunting Assistance for Student Spouses

The Student Development Office provides job-search counseling and resources to aid spouses seeking employment in the Fort Worth area.

### ID Cards

TCOM identification cards are issued during fall registration.

### 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 are

made as needed through the Central Family Practice Clinic on the same basis.

### 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. Students are eligible for a discount at the Osteopathic Medical Center of Texas cafeteria with student ID.

## Student Activities

### Sports

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

### Student Organizations

Students may participate in a variety of student organizations, including (but not limited to):

- American College of General Practitioners
- American Medical Association/ Medical Student Section
- American Osteopathic Association
- Christian Medical and Dental Society
- Emergency Medicine Club
- Military Medical Association
- Multicultural Medical Students Association



- National Osteopathic Women Physicians Association
- Phi Beta Pi, national social medical fraternity
- Psi Sigma Alpha, national osteopathic honor society
- Renaissance Society
- Sigma Sigma Phi, honorary service fraternity
- Society for the Advancement of Osteopathic Medicine
- Speculum (yearbook)
- Student Associate Auxiliary (organization for student spouses)
- Student Government Association
- Student Osteopathic Medical Association
- Surgery Club
- Undergraduate American Academy of Osteopathy
- Undergraduate Academy of Sports Medicine

The Student Development Office coordinates the student organization calendar and registration process. The office also assists organizations with leadership development and planning activities and events. Students are encouraged to participate in organizations and campus-wide events for leadership and personal development. Contact the Student Development Office for more information.

## Honors and Awards

Each year during Honors Day, TCOM recognizes students who have excelled academically, as well

as those who have made outstanding contributions to the college, the community and the profession.

## Scheduling Events

Student organizations are required to schedule events, seminars, programs and lectures through the Student Development Office. Facilities reservation forms may be picked up from this office and submitted to the Office of Student Affairs for official approval and 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.

## Diversity Statement

TCOM is committed to the philosophy of a multicultural environment. The college prohibits harassment based on race, sex, disability, age, national origin, religion, veteran status or lifestyle.

The "Nondiscrimination/Equal Employment Opportunity and Affirmative Action" policy affirms the requirement for every member of TCOM community to comply with existing federal and state equal opportunity laws and regulations.

In any case, TCOM has long been an open, tolerant and democratic institution, proud of its commitment to personal and academic excellence but unpretentious in the atmosphere of its campus in its willingness to accept all members of the college community at their face value as human beings.

The increasing diversity of the TCOM community is one of the institution's greatest strengths. Differences of race, religion, age, gender, culture, physical ability, language, nationality and lifestyle make it a microcosm of the nation as a whole, reflecting the values of our pluralistic society. As an educational institution, TCOM is committed to advancing the ideas of human worth and dignity by teaching respect for human beliefs or values and encouraging open discussions. Hatred or prejudice and harassment of any kind are inconsistent with the college's educational purpose.

TCOM is strongly committed to the ethical principle that every

member of the community enjoys certain human and constitutional rights, including the right to free speech. As a community of scholars, TCOM also is dedicated to maintaining a learning environment that is nurturing, fosters respect, and encourages growth among cultures and individuals represented here. Individuals who work, study, live and teach within this community are expected to refrain from behaviors that threaten the freedom and respect every individual deserves.

## Sexual Harassment

A basic objective of TCOM is to provide an environment in which faculty, staff and students may pursue their careers and studies with a maximum of productivity and enjoyment.

Harassment of students on the basis of sex is a violation of Sections 106.31 of Title IX of the Education Amendments of 1972. Harassment of TCOM employees on the basis of sex is a violation of Section 703 of Title VII of the Civil Rights Act of 1964 and the Texas Commission on Human Rights Act. Sexual Advances, requests for sexual favors and other verbal or physical conduct of a sexual nature constitutes sexual harassment. It is the policy of the college to maintain a workplace and a learning environment free of sexual harassment and intimidation. Behavior or conduct which interferes with this goal is not condoned or tolerated.



DEPARTMENT OF  
ANATOMY

- Turner, James E., Ph.D.**  
Chairman and Professor;  
B.A. Virginia Military Institute,  
M.S. University of Richmond,  
Ph.D. University of Tennessee
- Aschenbrenner, John E., Ph.D.**  
Associate Professor;  
B.S. Iona College,  
M.S. Rutgers University,  
Ph.D. Baylor University
- Cammarata, Patrick R., Ph.D.**  
Associate Professor;  
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;  
B.A. Baylor University,  
B.S. University of Texas at  
Arlington,  
M.A. and Ph.D. University of  
North Texas
- Dzandu, James K., Ph.D.**  
Assistant Professor;  
B.S. and M.S. University of  
Ghana,  
Ph.D. Wayne State University
- Jackson, Fredrick L., Ph.D.**  
Assistant Professor;  
B.S. University of Wyoming,  
Ph.D. University of Texas  
Health Science Center at  
Houston
- Orr, Edward L., Ph.D.**  
Associate Professor;  
B.S. Cleveland State University,  
Ph.D. University of California at  
Berkeley
- Rudick, Victoria, Ph.D.**  
Associate Professor;  
B.A. College of Wooster,  
Ph.D. Ohio State University
- Schunder, Mary, Ph.D.**  
Associate Professor;  
B.A. and M.A. Texas Christian  
University,  
Ph.D. Baylor University
- Wise, Gary E., Ph.D.**  
Professor;  
B.A. University of Denver,  
Ph.D. University of California at  
Berkeley

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

*Adjunct Faculty*

- Leppi, T. John, Ph.D.**  
Adjunct Professor

DEPARTMENT OF  
ANESTHESIOLOGY

- Stern, Paul A., D.O., F.A.O.C.A.**  
Chairman and Professor;  
B.S. Wayne State University,  
D.O. University of Health  
Sciences
- Galleghue, Clyde, D.O.,  
F.A.O.C.A.**  
Professor;  
B.S. University of Kansas,  
D.O. University of Health  
Sciences
- Kahn, Hyman, D.O., F.A.O.C.A.**  
Associate Professor;  
D.O. Kirksville College of  
Osteopathic Medicine
- Stern, Stephen, D.O., F.A.O.C.A.**  
Associate Professor;  
D.O. University of Osteopathic  
Medicine and Health Sciences

*Clinical Faculty*

- Classen, Ashley M., D.O.**  
Clinical Instructor
- Cogdill, James M., D.O.**  
Clinical Assistant Professor
- Gile, Terry M., D.O.**  
Clinical Instructor
- Graybill, David B., D.O.**  
Clinical Instructor
- Kebabjian, S. Stevon, D.O.,  
F.A.O.C.A.**  
Clinical Associate Professor
- Kelso, Elmer L., D.O., F.A.O.C.A.**  
Clinical Associate Professor
- Leech, Richard C., D.O.**  
Clinical Assistant Professor
- Martin, Randall P., D.O.**  
Clinical Instructor
- Neisler, Gary L., D.O.**  
Clinical Instructor

- Ponitz, Kenneth C., D.O.**  
Clinical Assistant Professor
- Sears, Kristin, D.O.**  
Clinical Assistant Professor
- Stanton, J. Michael, D.O.**  
Clinical Assistant Professor
- Stein, Ralph G., D.O.**  
Clinical Instructor
- Wallace, Arnold D., D.O.**  
Clinical Instructor

DEPARTMENT OF  
BIOCHEMISTRY AND  
MOLECULAR BIOLOGY

- Gracy, Robert W., Ph.D.**  
Chairman and Professor;  
B.S. California State  
Polytechnic University,  
Ph.D. University of California at  
Riverside
- Dimitrijevic, Slobodan D., Ph.D.**  
Research Assistant Professor;  
B.S. and Ph.D. University of  
Bath
- Dory, Ladislav, Ph.D.,**  
Associate Professor;  
B.S. University of Manitoba,  
Ph.D. McGill University
- Easom, Richard A., Ph.D.**  
Assistant Professor;  
B.S. University of Bath,  
Ph.D. University of Glasgow
- Grant, Stephen R., Ph.D.**  
Assistant Professor;  
B.A. Westmar College,  
M.S. and Ph.D. University of  
Tennessee
- Harris, Ben G., Ph.D.**  
Professor;  
B.S. Southwestern Oklahoma  
State University,  
M.S. and Ph.D. Oklahoma State  
University
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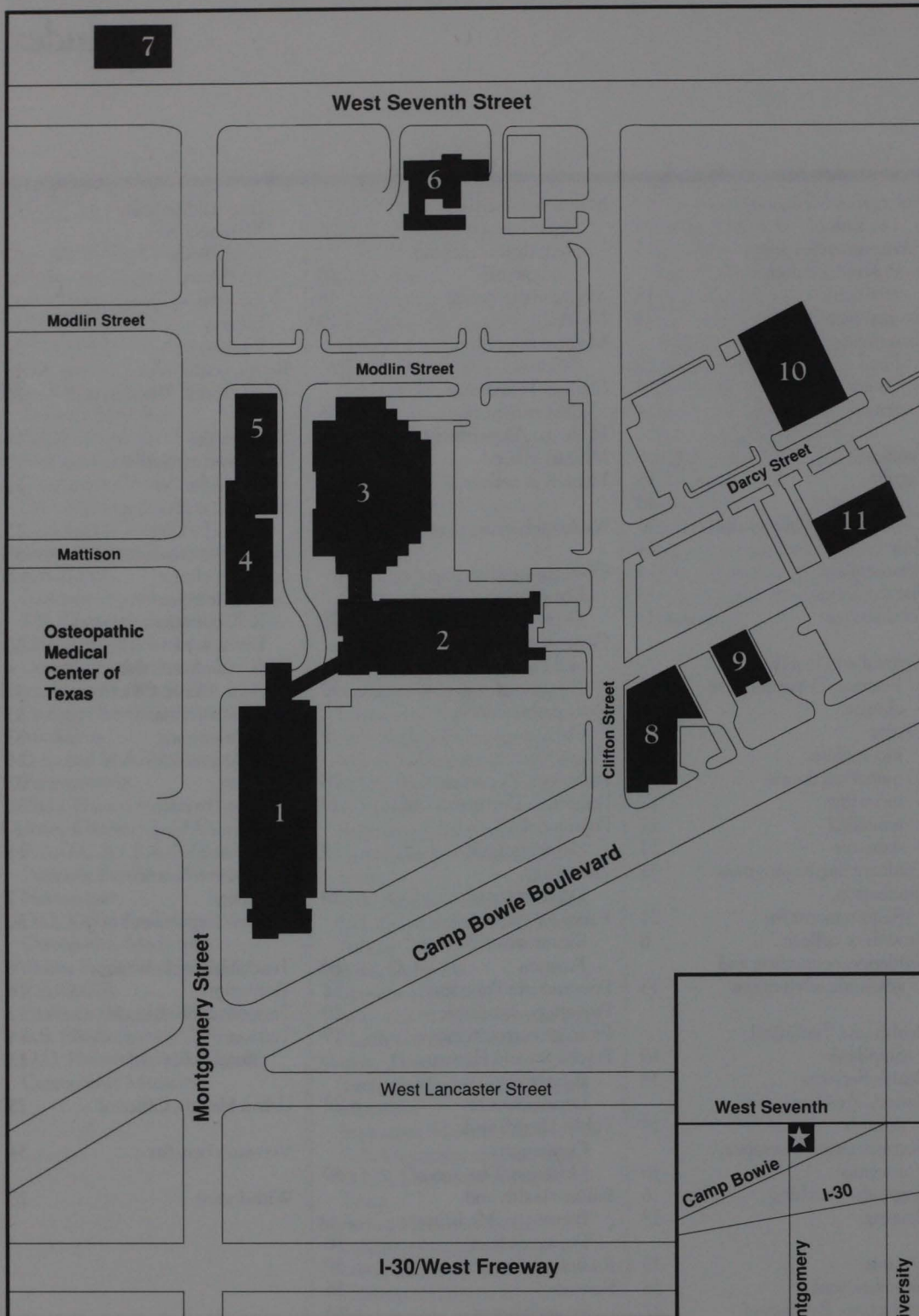
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