



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 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 (anatomy) and function (physiology) are mutually and reciprocally interdependent.
2. The body, through a complex equilibrical 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 and nerve impulses.
4. A rational treatment regimen is based on this philosophy and these principles.

**Statement adopted by Department of Osteopathic Philosophy, Principles and Practice, February 1978, Texas College of Osteopathic Medicine.*

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

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 profes-
sional 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 coopera-
tion, 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.

Accreditation

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

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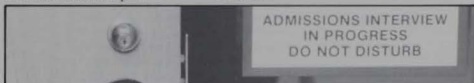
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ADMINISTRATION

North Texas State University

Board of Regents

Wayne O. Stockseth, Chairman (1987),* Corpus Christi

Becky Garth, Vice Chairman (1989), Temple

C. Dean Davis (1989), Austin

Charles Edward Greene (1987), Duncanville

J. Jack Hays (1989), Dallas

Lucille G. Murchison (1987), Dallas

Craig Raupe (1991), Granbury

E. Bruce Street Sr. (1991), Graham

Topsy Wright (1991), Grand Prairie

**Term expires*

North Texas State University

Texas College of Osteopathic Medicine

Alfred F. Hurley, Ph.D., Chancellor

Texas College of Osteopathic Medicine

David M. Richards, D.O., F.A.C.G.P., President

T. Eugene Zachary, D.O., F.A.C.G.P.,

Acting Vice President for Academic Affairs and Dean

J. Warren Anderson, Ed.D., Executive Assistant to the President

and Associate Dean for Medical Education

Mary L. Schunder, Ph.D., Acting Associate Dean for Student Affairs

Ben G. Harris, Ph.D., Associate Dean for Research

John R. Peckham, D.O., Associate Dean

Ken Coffelt, Assistant to the President

Administrative Staff

Patricia Allison, Director of the Medical Services, Research and Development Plan
Don Beeson, Police Chief
Betty Belton, Registrar
Bobby R. Carter, Director of Library Services
Pat Casey, Budget Director
Ken Coffelt, Director of Biomedical Communications
Donald Cregg, Internal Auditor
David E. Erickson, Director of Financial Aid
Peggy Fauber, Acting Director of Community Services
William T. Foxworth, Comptroller
William R. Jenkins, D.O., Special Assistant
for Graduate Medical Education
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Mary McAnally, Director of Purchasing
Earlene McElroy, Director of University
and Community Relations
John R. Peckham, D.O., Director of the Center for
Osteopathic Research and Education
Carlos Puente, Equal Opportunity Officer
T. Cay Rowe, Acting Director of News and Information Services
Steve Russell, Business Manager
Richard J. Sinclair, Ph.D., Director of Admissions

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Eugene Bond, D.O., Grand Prairie
Minerva Hobart "Tiny" Batts, Fort Worth
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Larry G. Burrows, D.O., Fort Worth
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Carl E. Everett, D.O., Fort Worth
Samuel B. Ganz, D.O., Corpus Christi
Ramon Guajardo, Fort Worth
James T. Hawa, D.O., Benbrook
Erma Johnson, Fort Worth
Royce Kellers, D.O., LaGrange
Lewis T. "Pat" Patterson, Kansas City, Missouri
Donald M. Peterson, D.O., Fort Worth
Claude G. Rainey, Fort Worth
E. Bruce Street Sr., Graham
Harry K. Werst, Fort Worth
Hugh O. Wolfe, Stephenville



Fall Semester 1986

- August 1 *Registration for Year III students*
- August 4 *First day of classes for Year III students*
- August 8 *Last day to register for Year III classes*
- August 11-14 *Orientation for Year I students*
- August 15 *Registration for Year I and Year II students*
- August 18 *First day of classes for Year I and Year II students*
- August 29 *Last day to register for Year I and Year II classes*
- September 1 *Labor Day holiday*
- September 12 *Last day to withdraw with partial refund of tuition*
- October 23-24 *Administration of Parts I and II, National Board of Examiners for Osteopathic Physicians and Surgeons Inc.*
- November 27-28 *Thanksgiving holiday*
- December 19 *Last day of classes for Year I, II and III students*
- December 29 *Clinical clerkship rotations begin for Year III students*

Spring Semester 1987

- January 5 *Classes begin for Year I and Year II students*
- January 9 *Fall semester grade reports for Year II and Year III students due in Office of Registrar*
- January 26-27 *Comprehensive examination for seniors*
- February 6 *Fall semester grades for Year I students due in Office of Registrar*
- March 16-20 *Spring break for Year I and Year II students*
- March 19-20 *Administration of Part II, National Board of Examiners for Osteopathic Physicians and Surgeons Inc.*
- May 15 *Last day of classes for Year IV students*
- May 15 *Senior Banquet*
- May 16 *Commencement*
- May 25 *Memorial Day holiday*
- May 29 *Last day of classes for Year I and Year II students*
- June 5 *Spring semester grade reports for Year I and Year II students due in Office of Registrar*
- June 11-12 *Administration of Part I, National Board of Examiners for Osteopathic Physicians and Surgeons Inc.*

ONE

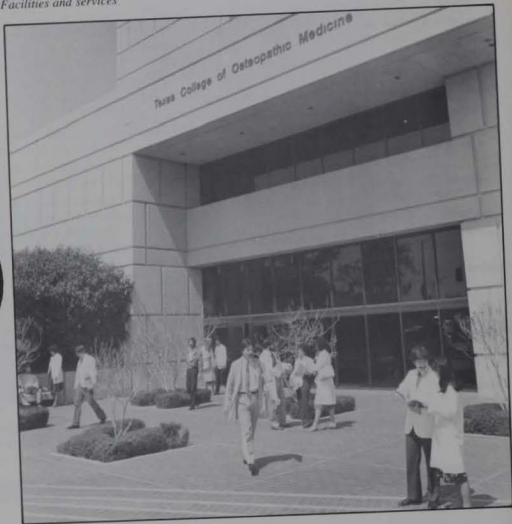
THE COLLEGE

Purpose

History

Location

Facilities and services



PURPOSE

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

By its nature, such an educational program allows the college to serve the health needs of several populations within its reach, while advancing traditional medical knowledge and exploring new directions in health care.

HISTORY

Now in its 16th year, Texas College of Osteopathic Medicine was first conceived in 1961 in the minds of 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 Texas College of Osteopathic Medicine, and in 1970 the first 20 students began their studies in temporary quarters at Fort Worth Osteopathic Hospital. In August 1971 the college expanded and moved to larger, but still temporary, quarters. As the college grew, TCOM contracted with North Texas State University in Denton for the teaching of the basic sciences and in 1975, by legislative act, became a state institution under the direction of the NTSU Board of Regents.

In 1978, the first step in the campus master plan was completed when the college opened the eight-story Medical Education Building 1, designed as a clinical science facility. The second major new building on the campus, Medical Education Building 2, opened in the fall of 1982. The five-story structure houses the basic science departments as well as laboratories and classrooms. With the addition of Med Ed 2, TCOM will be able to expand to its maximum projected enrollment of 400 students, 100 students per class.

Construction on a third major building, a four-story library/biomedical communications facility, is scheduled for completion in the summer of 1986.

LOCATION

Located west of downtown, the TCOM campus is adjacent to the city's museum complex, which includes the internationally recognized Kimbell Art Museum, Amon Carter Museum, Fort Worth Museum of Science and History and Fort Worth Art Museum.

The county seat of Tarrant County, which has a population of over 900,000, Fort Worth is a rapidly growing city of 400,000. An industrial, cultural and educational center, the area includes six colleges and universities with an enrollment of more than 58,000 graduate and undergraduate students.

Fort Worth also offers a wide variety of recreational and entertainment facilities. On the city's north side, urban renewal projects have turned the historic Stockyards area into a major tourist attraction featuring authentic Western activities and landmarks. Several theaters in the area offer live drama and musical theater. Six Flags Over Texas amusement park is nearby, and there are several small lakes for fishing and boating as well as an abundance of golf courses and other sports facilities.

Fort Worth, often called Cowtown because of its important role in the history of the cattle industry, has maintained the relaxed pace of Western living and hospitality even as rapid growth has made it one of Texas' major modern cities.

FACILITIES AND SERVICES

The college's central campus at Camp Bowie Boulevard at Montgomery Street includes Medical Education Building 1, which houses clinical departments, an ambulatory care clinic, library and administrative offices, and Medical Education Building 2, a basic science facility adjacent to Med Ed 1. The library and biomedical communications are scheduled to move to the new Med Ed 3 in late summer, 1986. Also on the main campus is the Pathology Building, which houses the Tarrant County Medical Examiner's office.

Within one mile of the central campus is the River Plaza Campus Center, which houses part of the Department of Public Health and Preventive Medicine and the Institute for Human Fitness.

The college operates a number of family practice and specialty clinics under the administration of the Department of General and Family Practice and the various specialty departments. Student/doctors in these clinics are directly supervised by fully licensed osteopathic physicians trained in the appropriate areas.

Teaching hospitals

Twelve Texas hospitals serve as teaching hospitals for TCOM and provide 2,000 patient-care beds. TCOM's primary teaching hospital is the 265-bed Fort Worth Osteopathic Medical Center, a community, not-for-profit facility across the street from the central campus. Providing training for TCOM student/physicians are:

Fort Worth Osteopathic Medical Center

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

U.S. Air Force Regional Hospital
Carswell Air Force Base
Fort Worth, Texas
Col. David R. Richmond, M.D.
Director of Medical Education

Corpus Christi Osteopathic Hospital

Corpus Christi, Texas
Paul Wakim, D.O.
Director of Clinical Clerk Education

CPC Millwood Hospital

Arlington, Texas
Gene Liverman, D.O.
Director of Clinical Clerk Education

Dallas Family Hospital

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

Dallas/Fort Worth Medical Center—Grand Prairie

Grand Prairie, Texas
Otto Puempel, D.O.
Director of Medical Education

Dallas Memorial Hospital

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

Darnall Army Community Hospital

Fort Hood, Texas

Northeast Community Hospital

Hurst, Texas
Russell Martz, D.O.
Director of Medical Education

Psychiatric Institute of Fort Worth

Fort Worth, Texas
Bashir Ahmed, M.D.
Director of Clinical Clerk 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
Col. Harry D. Silsby, M.D.
Director of Medical Education

Clinics

Clinics operated by the Department of General and Family Practice include:
Central Family Practice Clinic
Camp Bowie at Montgomery
Fort Worth, Texas
Constance Jenkins, D.O.,
Director

Northside Family Practice Clinic

1851 Harrington
Fort Worth, Texas
Frank Falbey, D.O., Director

Riverside Family Practice Clinic

3100 South Riverside Drive
Fort Worth, Texas
Stephen F. Urban, D.O.,
Director

Southside Family Practice Clinic

959 East Rosedale
Fort Worth, Texas
Donald Peterson, D.O., Director

Godley Family Practice Clinic*

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

Justin Family Practice Clinic*

310 East Second Street
Justin, Texas
Gerald P. Flanagan, D.O.,
Director

*Rural clinics

Specialty clinics operated by other TCOM academic departments include:

Center for Osteopathic Research and Education Clinic
Department of Medicine Clinic
Department of Psychiatry Clinic
Heart Disease Prevention Clinic
Institute for Human Fitness Clinic
Osteopathic Consultants
Preventive Medicine Clinic
Rehabilitation/Sports Medicine Clinic
Surgical Associates of Fort Worth
Westside Dermatology Consultants
Westside Obstetrical and Gynecological Consultants
Westside Pediatric Consultants

Medical education

The Office of Medical Education is designed to support curriculum, instructional and evaluation activities within the academic program. This unit exists primarily to organize and provide educational services throughout the college. The general goals of the Office of Medical Education are to stimulate concern for sound educational practices and subsequently to assist in implementing those that are endorsed by the administration and faculty.

Specific activities undertaken by the Office of Medical Education include curriculum support and implementation, instructional design and development, audio-visual production and distribution, curriculum and course evaluation, library and learning facilities operation and faculty development.

Divisions of the Office of Medical Education include bio-

medical communications, the Health Sciences Library and evaluation services.

Health Sciences Library

The Texas College of Osteopathic Medicine Health Sciences Library supports the education, patient care, research and community service functions of the college by meeting the informational needs of the faculty, students, staff and the local health sciences community. Located on the seventh floor of Medical Education Building 1, the library provides rapidly growing collections of print and non-print materials in the basic and clinical health sciences. Currently, library collections number over 85,000 bound volumes and more than 2,700 biomedical journal titles.

In addition, the library's Special Collection includes a historical collection of more than 1,200 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 historical development of TCOM and the osteopathic profession in Texas.

The Learning Resource Center houses an audiovisual software collection of some 3,300 audio-visual programs and 77 anatomic models and provides access to more than 100 medical computer-assisted instructional programs through Ohio State University. In addition, the LRC houses Apple II+ and Tandy 1200 HD (IBM compatible) microcomputers. Rooms and carrels are equipped with video playback and slide-tape equipment for both large and small group viewing.

In addition to its own resource materials, the library can provide access through inter-

library loan to the collections of 25 medical libraries that are members of the Dallas-Tarrant County Consortium of Health Science Libraries, to the collections of 15 other medical school libraries that are members of the South Central Academic Medical Libraries Consortium, and to the services and resources of the TALON Regional Medical Library Program and its national counterpart, the National Library of Medicine in Bethesda, Md.

Traditional reference services, as well as the latest in online information services, are provided free of charge to TCOM faculty, staff and students through MEDLINE and more than 200 other databases and files.

Through the Extramural Services Program, library services, including free document delivery, are provided for third- and fourth-year students on rotation in local clinics and hospitals. Ten rotation sites are equipped with telefacsimile units that give students at those sites access to the Health Sciences Library's telefacsimile service. Searches and/or articles can be delivered to these sites in minutes.

In the summer of 1986, the library will move into the new Medical Education Building 3. The 110,000-square-foot building, now under construction, was funded by state appropriation of \$10.8 million to house the library, biomedical communications and a central campus computer center. The library will occupy approximately 67,000 square feet on the top three floors of the four-story facility. The new library will provide almost four times the usable space now available and will accommodate more than 200,000 volumes and seating for 500 users.

Evaluation services

Activities supported by this unit include examination scoring, item analysis of individual test questions and course and curriculum evaluation. Consultation and assistance are provided to college faculty on research design and biostatistics.

Biomedical communications

The Department of Biomedical Communications, consisting of medical arts and AV-TV, is an educational service facility that supports development and implementation of the curriculum. The department's primary goal is the design and production of various forms of learning materials for use by the faculty in the classroom and student retrieval in the library.

Facilities are available for the production and distribution of color television programs, color slides and overhead transparencies, audio tapes and original artwork for publications. Scheduling and set-up of AV equipment for classroom use, equipment maintenance and AV systems design are additional functions of the department.

Color television programs can be produced in the TV studio in Medical Education Building 1 or at remote locations. Classroom display of pre-recorded videotapes is scheduled through

the Biomedical Communications Office, while individual viewing of the same programs is a service provided by the Learning Resource Center in the library.

Through the combined efforts of faculty and staff from the library and biomedical communications, progress is being made toward the development of self-paced learning programs. Depending upon content, these programs may take the form of slide/tape, videotape, audiotape or printed materials. When completed, they are made available for student use in the library.

Continuing medical education

The Office of Continuing Medical Education, in its leadership role of offering continuing education programs to the osteopathic physicians licensed to practice in Texas, provides an extensive calendar of seminars on current medical topics. These seminars serve practitioners throughout the state, both in rural and urban areas. They are designed to meet the assessed needs of Texas osteopathic physicians.

A CME-accredited audio-visual lending library tailored to the needs of the osteopathic physician is also available. To determine future continuing education requirements of the osteopathic medical profession in Texas, a comprehensive needs assessment program is carried out 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 scientists at TCOM and North Texas State University. 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 involves grants from the American Heart Association, American Cancer Society, National Institutes of Health, Robert A. Welch Foundation, World Health Organization, National Aeronautics and Space Administration, American Osteopathic Association and other public and private sources. In addition, state appropriations cover some organized research support that is distributed to individual faculty on a competitive basis by an internal faculty research committee.

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

Medical Education Building 2 houses TCOM's basic science faculty, specialized research laboratories and animal care facilities. The 10,000-square-foot vivarium, supervised by a full-time veterinarian, contains diagnostic laboratories, procedure room, surgical suite and X-ray equipment.

Center for Osteopathic Research and Education

Established in 1982, the Center for Osteopathic Research and Education oversees the inclusion of the osteopathic philosophy into all instruction and research aspects of the college. The center has representatives from all academic and professional units.

Specifically, CORE's responsibilities include converting the teaching of osteopathic theory into a college-wide process; improving the understanding of osteopathic medicine by all college personnel; establishing standards in osteopathic philosophy, theory and practice

for graduation; developing instructional materials appropriate to the teaching program; encouraging research related to osteopathic concepts; developing programs of continuing education in osteopathic philosophy, theory and methods; setting criteria for selecting faculty members capable of administering the envisioned programs; and setting criteria for selecting students capable of responding to such programs.

TWO

ADMISSION POLICIES

*Admission requirements
Procedures
Fiscal policies
Minority students
Texas residency
Procedures for transfer
Financial aid*

ADMISSIONS INTERVIEW
IN PROGRESS
DO NOT DISTURB

Administrat

ADMISSION REQUIREMENTS

The New Medical College Admission Test (MCAT) is required of all applicants. The New MCAT must have been taken no earlier than three years prior to application and no later than the fall of the year preceding that for which application is made. The spring MCAT test date is preferred over the fall MCAT test date, as the scores from the fall test may delay completion of an application.

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

1. New MCAT scores
2. 90 semester hours (or the equivalent number of quarter hours) at an accredited college or university. Most applicants have earned the bachelor's degree by the time they matriculate into medical school.
3. One academic year or its

equivalent in English, psychological-social-behavioral sciences, physics, biology, general chemistry and organic chemistry. It is expected that laboratory work will be included in each of the basic sciences. (Additional course work in the traditional basic sciences, humanities and behavioral sciences is encouraged. The following courses are highly recommended, not so much for application purposes as for success in the medical school curriculum: comparative anatomy, physiology, microbiology, biochemistry, genetics and embryology.)

4. Minimum overall GPA of 3.0 on a 4.0 scale at the time of application.* Grades for courses in other professional fields, physical training and vocational courses will not be considered in determining the overall grade point average.
5. Minimum overall GPA in preprofessional science courses

of 3.0 on a 4.0 scale at the time of application.* Non-residents with less than a 3.0 overall GPA are not encouraged to apply.

6. Minimum composite MCAT score of at least 40, with a minimum reading subtest score of 6.

The AACOMS deadline for applications for the 1987 entering class is Nov. 1, 1986.

PROCEDURES

Texas College of Osteopathic Medicine is a participant in the American Association of Colleges of Osteopathic Medicine Application Service (AACOMAS). Applicants using AACOMAS must be applying for the first year of study leading to the D.O. degree. (Students

*All applicants are reviewed on an individual basis. The Admissions Committee reserves the option to waive a minimum academic requirement provided the applicant demonstrates superior performance in the majority of the remaining academic measures. Notwithstanding, consideration will not be given to an applicant presenting with less than a

cumulative GPA of 2.5 on a 4.0 scale, either overall or in pre-professional science courses.

The Admissions Committee will give priority consideration to those applicants with science and overall grade point averages of 3.2 or above on a 4.0 scale. The burden of proof of academic qualification rests with the applicant.

applying for transfer should request application information from the director of admissions at TCOM. See *Procedures for transfer* elsewhere in this catalog.)

AACOMAS application request cards may be obtained from the TCOM Office of Admissions or from a pre-med adviser. Applicants must mail the cards to AACOMAS for the applications and return the applications to AACOMAS. Applicants must request that an official transcript from each college and university attended be sent to AACOMAS.

Applicants must request that their MCAT scores be sent to those schools to which they are applying, using code number 600 (the designated number for all participating osteopathic colleges). Applicants will be sent copies of the applications standardized by AACOMAS and biographic and academic profiles that they should check for errors.

If applicants have changed their names for any reason and have transcripts under those names, they must note this on the AACOMAS application.

A limited number of application fee waivers, designed to assist applicant with financial hardships, are available from AACOMAS for applicants to the 1987 entering class. For information on the fee waiver, see the AACOMAS Instruction Booklet or contact the AACOMAS office.

The TCOM Admissions Committee will review *only complete applications*. These must include, in addition to the completed AACOMAS applications, the following items:

1. **Completed TCOM Supplemental Application, including a recent photograph.** (The Supplemental Application will be forwarded to those individuals who are worthy of further consideration upon review of the GPA and MCAT as shown on the AACOMAS profile.)

2. **\$25 non-refundable Supplemental Application fee, made payable to TCOM.**

3. **Residence Status Form.** A notarized form is required for all Texas and out-of-state applicants. Only outstanding non-resident applicants will be considered for admission.

4. **Evaluation and Interview Form** from an osteopathic physician, not related to applicant by blood or marriage, whom the applicant chooses as a reference.

5. **Official Pre-Medical Advisory Committee Evaluation or two letters**, one from a science professor and one from a professor in the applicant's major, who are familiar with his or her academic work.

6. **Letter of recommendation from most recent employer.**

7. **Two or more additional letters of recommendation, regarding personal attributes.**

(Items 2-7 will be requested through the Supplemental Application.)

It is the responsibility of an accepted applicant to provide official transcripts of all college and university course work to TCOM prior to registration. An applicant's acceptance is conditional until the official transcripts are received by TCOM. Course work taken subsequent to application must be forwarded to TCOM at the end of each successive semester.

AACOMAS does not reproduce transcripts for the schools, and failure by the applicant to complete this requirement could result in unfavorable action for the applicant by the school.

Physical examination

A physical examination form will be sent to each accepted applicant for completion by his/her physician or, if the applicant chooses, the physical examination may be given by a physician at the TCOM Central Family Practice Clinic in Medical Education Building 1. No fee is charged, except costs of laboratory tests as needed.

TCOM is in compliance with PL 504. The medical school does not discriminate on the basis of handicap in the recruitment and admission of students, the recruitment and employment of faculty and staff and the operation of any of its programs and activities, as specified by federal laws and regulations. The TCOM director of personnel is the designated coordinator for college compliance of these regulations.

FISCAL POLICIES

TCOM is a state-supported institution subject to state laws.

Extension of credit is prohibited, and all financial obligations to the college must be paid in advance. A student is not officially enrolled at TCOM until all fees have been paid. Fees are subject to change by the Board of Regents, the Texas Legislature or legal rulings of the Texas attorney general.

Tuition

In-state resident tuition for 1986-87 will be \$2,400; for 1987-88, \$3,600; for 1988-89, \$4,800; and afterward, \$5,463.

Tuition for out-of-state residents and foreign students for 1986-87 will be \$9,600; for 1987-88, \$14,400; for 1988-89, \$19,200; and afterward, \$21,852.

Expenses

Estimated for 1986-87 at \$13,180 per nine months for single students, including in-state tuition, fees, books, supplies, room and board, transportation and personal expenses.

Health insurance

To safeguard against the cost of illness, injury and other medical expenses, all students are required to provide for their own health care coverage while attending TCOM. Students who have not provided for this coverage at the time of registration may choose to participate in one of a number of available student group plans arranged through the Office of Student Services. Costs are dependent upon company and benefits selected. The enrollment period is during fall registration with re-enrollment every six months.

Fees

Student Activity Fee: \$125 per academic year.

Building Use Fee: \$180 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 non-refundable.

Student Identification Card: \$1. (\$5 additional charge for lost or replaced ID card).

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

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

Other charges

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

Transcript Fee: \$2 per copy. (First TCOM transcript is free.)

Photocopy Fee for Diploma: \$5 per copy.

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

Microscope Fee: \$50 per academic year for first- and second-year students. Microscopes are used for laboratory instruction in the Departments of Anatomy, Microbiology and Immunology and Pathology, according to procedures established by the departments.

Special Examinations: Based upon charge of examining body or agency at the time of the examination.

Tuition refund policy

A tuition refund is based on the date of withdrawal. A request for withdrawal must be

submitted to the vice president for academic affairs and dean and a withdrawal form signed in the Office of the Registrar. Upon official notification of withdrawal by the registrar, the Business Office will mail the refund to the student's forwarding address in the files of the registrar. (See other withdrawal information elsewhere in this catalog.)

Laboratory fees, late fees and I.D. 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 fourth week from the first day of class in the fall semester. The schedule for refunds under the regulations is 80 percent first week, 60 percent second week, 40 percent third week and 20 percent fourth week.

MINORITY STUDENTS

Qualified minority students are actively recruited and encouraged to apply to TCOM. Academic enrichment courses, special tutoring and counseling are available if needed.

TEXAS RESIDENCY

Requirements for establishing Texas residency

The rules and regulations for determining resident status are set forth by the Coordinating Board, Texas College and University System. Questions regarding these requirements should be referred to the TCOM director of admissions or registrar.

Non-resident students

Texas residents are given admission preference by State of Texas legislative mandate. Only a few outstanding non-resident applicants will be considered for admission. Preference will be given to those applicants from the south and southwest regions of the United States.

Foreign students

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

PROCEDURES FOR TRANSFER

Students enrolled in other osteopathic and non-osteopathic medical colleges may request transfer to TCOM. In general, approved transfers into the academic program will be limited in number, and the primary entrance into TCOM is through

its regular admissions program.

Applications for transfer will be evaluated on an individual basis and exceptional circumstances will be given careful consideration. However, the following guidelines will apply:

1. Preference will be given to students from colleges of osteopathic medicine approved by the American Osteopathic Association. Approval for transfer of students from non-osteopathic medical schools is limited to individuals who demonstrate specific understanding of and dedication to the philosophy, principles and practice of osteopathic medicine.

2. Preference will be given to students of Texas residence and/or those who demonstrate an intention to practice in the State of Texas.

3. Review of individual applications will be restricted to those persons who are certified to be in good academic standing at the institution formerly attended.

4. Transfer must be made no later than the beginning of the third academic year at TCOM. Applicants for transfer should have completed the preclinical portion of their programs and should have successfully completed at the time of transfer Part I of the examination administered by the National Board of Examiners for Osteopathic Physicians & Surgeons, Inc. Except under unusual circumstances, transfer should take place only at the beginning of an academic term. Students must complete a minimum of two academic years in residence at TCOM.

An applicant for transfer must present a completed

application for transfer and a written recommendation from the dean of the institution from which transfer is requested. Official academic transcripts from all previously attended colleges and universities must be provided. A personal interview is required.

FINANCIAL AID

A number of sources are available to help students meet the costs of their medical education. Students requiring financial assistance should direct inquiries to the TCOM Financial Aid Office. Students who are applying for assistance through the Financial Aid Office must complete a needs analysis, the Financial Aid Form (FAF), which will be mailed upon request.

Because of federal requirements, each student requesting financial assistance is required to submit 1) a copy of the prior year 1040 federal income return and 2) a financial aid transcript from each college or university attended.

Financial aid is dependent on satisfactory progress in the academic program. Recipients of financial aid must carry at least a half-time load and must maintain a cumulative grade of at least 70. If the cumulative grade falls below 70 for more than two consecutive semesters, no award will be given until satisfactory progress is made.

In addition to the following

programs, many states and state osteopathic associations have loans or scholarships available to their residents. New scholarships become available from time to time. For information, a student may contact the Financial Aid Office or the appropriate state agency.

While a number of financial aid resources may be available to the student, the student is responsible for the financing of a medical school education.

Scholarships

Dean's Tuition Scholarship: Information is available in the Financial Aid Office. Eligibility requirements include a minimum GPA of 70 and financial need as shown on the FAF. Students will be considered on the basis of showing promise as a primary care physician. The scholarship is currently \$600 per award and is limited to 14 recipients.

Wayne O. Stocketh Scholarship: Awards are in the amount of \$1,000 or more, each to be funded at the beginning of the junior year. Students must demonstrate "financial need" to be considered.

Mavern Devine Kinzie Scholarship: All freshmen, sophomores and juniors are eligible. Awards will be determined in June and funded the following fall for \$500, \$1,000 or \$1,500, depending on the recommendation of the Scholarship, Loans and Awards Committee. Applicants must have a definite interest in being a "total care" physician.

Susie B. Neel Scholarship: Scholarships of \$1,000 are awarded to seniors who plan to enter general and family practice in West Texas. Applicants must have academic and

leadership abilities.

Horace A. Emery Scholarship: Funds are for seniors in good academic standing who plan to establish practice in West Texas around Lubbock. Students must demonstrate financial need with award amounts up to \$1,000.

Earle H. Mann Scholarship: Funds are for seniors who plan to practice in the Panhandle of Texas. Students must have financial need and good academic standing with awards up to \$1,000.

Armed Forces Health Professions Scholarship Program: To qualify, a student must be enrolled or accepted for enrollment, be a citizen of the United States, be of good moral character and physically qualified for a commission. Selected participants will have all their normal educational expenses (tuition, fees, books, etc.) defrayed by the government and will receive a living allowance. The student incurs a service obligation of one year of active commissioned service for each year of scholarship participation, or a minimum of three years. For further information:

United States Army
Medical Recruiting Office
Federal Building
110 Commerce Street
Room 9c23
Dallas, Texas 75202

United States Navy
Medical Programs Officer
918 South Ervay
Dallas, Texas 75201

United States Air Force
350th USAF Recruiting
Group
2621 Avenue E East
Suite 217 MP
Arlington, Texas 76011

Exceptional Financial Need Scholarship (EFN): A student can qualify for this scholarship (depending on availability of federal funds) if he or she has no financial aid resources for the first year of study, as determined by the FAF total need analysis system. With very limited availability, this scholarship pays for tuition, fees and books, as well as a stipend for 12 months.

Grants

Texas Public Educational Grant (TPEG): The State of Texas provides for grants to needy students through this program. TPEG is funded by using a portion of the tuition the college collects. Students in the fourth year are given primary consideration for this program. Senior year students must show financial need and have a FAF on file in the Financial Aid Office.

Loan programs

Guaranteed Student Loan (GSL): This is a bank loan insured by the federal government. A graduate student with financial need is permitted to borrow up to \$5,000 per year (\$25,000 aggregate). For new borrowers, the interest rate is 8 percent. For students who currently have a GSL at 7 percent or 9 percent and want to borrow money for graduate school under this program, the interest rate remains at 7 percent or 9 percent, even for the new loans. Repayment may be deferred up to two years for periods of internship/residency. Contact the Financial Aid Office for additional information about this program and a sample of the repayment schedule.

Hinson-Hazelwood Student Loan Program: Same as Guaranteed Student Loan, for Texas residents only.

PLUS/ALAS: Loans are designed to provide additional funds for educational expenses. The interest rate is 12 percent, and students may borrow up to \$3,000 per year. Students do not have to prove financial need to receive this loan; however, an application for assistance, FAF, must be on file. In most cases, students may be able to make interest payments during in-school periods.

Health Professions Student Loan (HPSL): This federal program provides low-interest (9 percent) loans to needy students. These loans are provided from revolving funds at the colleges and are awarded through the colleges' financial aid offices.

National Direct Student Loan (NDSL): A traditional low-interest (5 percent) loan in which the interest does not accumulate during the in-school period. Graduate students may borrow up to \$12,000. However, the amount awarded to a student will depend upon the amount of funds allocated to the college as well as the student's financial need.

Emergency Loan Fund: This short-term loan fund is administered by the Financial Aid Office for students enrolled in the college who need immediate help to meet any unanticipated expenses. Loans are interest-free for 60 days, at

which time the interest accrues at 1 percent per month until the loan is paid in full.

Emergency Relief Fund: The short-term loan program is funded by the Texas Osteopathic Medical Association and administered through the TCOM Financial Aid Office for students in need of immediate help.

Student Associates Auxiliary Loan Fund: This fund provides for loans up to \$300 for short-term emergency situations and is available only to spouses of SAA members.

M. Vernon Morgan Student Loan Fund: Funded by Mr. and Mrs. W.J. Swaim and Emma May, loans are awarded for a maximum of \$500 to students in extreme need.

Joe J. Rady Loan Fund: Loans for seniors with unexpected financial need are funded by Joe J. Rady.

Etta O. Newby Loan Fund: Residents of Texas who are without adequate means but who are ambitious to equip themselves for professional pursuits qualify for loans from this fund. The amount is limited to \$1,000 per student per year with repayment commencing one year after a student graduates.

Shirley Waldron Loan Fund: Limited to \$1,000 per student with interest of 12 percent commencing upon graduation, this fund is for fourth-year students, particularly those from Tarrant County.

James G. Sanders Jr. Emergency Loan Fund: Short-term loans for juniors and seniors to meet unanticipated expenses are available with an interest rate of 12 percent per year starting with repayment two years after graduation.

TCOM Alumni Association Loan Program: This program is funded by the association and administered by the Financial Aid Office. Juniors and seniors are eligible to borrow up to \$500.

Texas Public Education Grant-Loan Fund: This program is designed to assist students on a short-term emergency basis to assist with tuition expenses.

Robert Wood Johnson Student Loan Fund: Awards are made on the basis of a student's "unmet need" and bear the interest rate of 7 percent. Students are considered from counties of less than 25,000 population.

William H. Ferguson: This program is funded by the North Texas Tuberculosis and Respiratory Disease Association and provides loans to students in the 27-county area served by the association. Students must have financial need and show good academic progress.

Ruth Meadow Thompson Loan Program: This loan is used to assist students who show promise as physicians and who are in need of special consideration for additional student aid funds.

Employment

The College Work-Study Program is a federally funded program designed to expand part-time employment opportunities to enable students to pursue study at institutions of higher education. The Financial Aid Office attempts to combine financial assistance under this program with scholarships and/or loans to help students meet the cost of attendance. To apply for consideration for work-study, students must complete an FAF.

Other programs

Opportunity Plan: The Lubbock Osteopathic Hospital Division of the Opportunity Plan Inc. has a loan program for juniors and seniors. The loan amount varies, with interest of

7 percent per year on the unpaid balance commencing after graduation.

Texas American Bank/West Side-Texas Osteopathic Medical Association Loan Program:

This is a cooperative effort by TOMA, TAB/West Side and TCOM. Seniors who are members of TOMA are eligible for loans of up to \$3,000 at the prime rate of interest. Interest on the loans will be paid by TOMA until Sept. 1, approximately three months after graduation. At that time, the doctor signs a new note and assumes full responsibility for the

loan. Eligibility for loans is determined by the Office of Financial Aid and must be endorsed by TOMA. TAB/West Side provides the funds and administers the loans. Details are available in the Financial Aid Office.

Veterans' Benefit: Veterans whose benefits have expired are eligible for tuition fee waivers under the Hazelwood Act. Also, a Veterans Administration loan program is available. Contact Veterans Affairs in the Office of the Registrar at TCOM.

Minnie Stevens Piper Foundation: The student loan fund is a revolving fund used to assist worthy and needy students. For information, contact Minnie Stevens Piper Foundation, 201 N. St. Mary's, Suite 100, San Antonio, Texas 78205.

THREE

SCHOLASTIC REGULATIONS

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STUDENT RESPONSIBILITIES

Each student enrolled in the college is individually responsible for knowledge of the 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 or other official publications and documents of the college.

A student must meet the graduation requirements listed in the catalog in effect at the time of his/her initial enrollment, provided these requirements are met no later than six years from the date of the catalog of entry or the date of re-entry in the event a student re-enters with a subsequent class.

The college reserves the right to amend or to add to these scholastic regulations at any time during the period of enrollment 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 these changes.

A student who is required to repeat an academic year shall

meet the graduation requirements listed in the catalog in effect for the student class with whom the year is repeated.

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 whom he/she entered the college, as determined by the vice president for academic affairs and dean.

Course syllabus

The course syllabus contains the specific educational requirements, including assignments, evaluation and 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 these are judged necessary to improve instruction or to conform to scholastic regulations of the college.

Attendance

One hundred percent attendance is expected of all students at all lectures, laboratories and clinical assignments. There are no excused absences. 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 from the associate dean for basic sciences or associate dean for clinical affairs and the department chairman. It is essential that each student make every effort not to miss any examination.

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

Additional requirements for attendance are contained in the course syllabus. A failing grade will be recorded for any course in which a student has more than 30 percent absences. In this event, a student shall be required to repeat the course at the next regularly scheduled time during the next academic year.

Students may receive excused absences for certain college-related activities. These absences will not be included in the 30 percent attendance requirement. No absences will be excused without written approval, in advance, from the vice president for academic affairs and dean.

REGISTRATION

Registration is conducted annually at TCOM for the first-, second- and third-year students in late summer. 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 Student Services Office.

A student is registered for and may attend only those courses and clinical rotations listed on his/her official academic schedule of classes, as approved by the vice president for academic affairs and dean. A student may not be enrolled in two or more courses meeting at the same time, except as approved by the vice president for academic affairs and dean.

Only students properly enrolled by the registrar may attend classes. Any examinations or other materials completed by an individual who is not officially enrolled shall be destroyed. No record shall 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 shall not be official appeal shall not be scored and will be retained by the registrar pending outcome of the appeal.

Late registration 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 late registration charge. *See Information.*

RECORDS Transcripts

The term *academic transcript* refers to a permanent record of a student's approved academic course work, including academic marks, scholarship and degrees. At the student's request, a class rank may be shown on the

transcript. In order to obtain an official academic transcript, a signed and dated "release of information" form must be completed by the student and filed with the registrar. Any transcript provided directly to a student must be regarded as unofficial. In order to be regarded as an official academic record, the transcript must be mailed directly from the Office of the Registrar to the receiving institution.

A student may obtain a copy of his/her transcript by submitting a written request 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 recommen-

dation 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, major field of study, participation in officially recognized activities and sports, weight and height of members of athletic teams, dates of attendance, classification, degrees and awards received, hometown and the most recent previous educational agency or institution attended by the student.

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 or the first four days of the summer semester. Forms for submitting the written request to withhold directory information are available in the student's fall registration packet and in the Registrar's Office.

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

TCOM will notify students in writing annually at fall registration of the academic offices where their educational records are maintained.

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 except for courses designated as pass/fail. 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).

Other grades used include "I" (Incomplete), "W" (Withdrawal), "CR" (Credit by examination or prior service), "P" (Pass) and "F" (Fail).

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," "P" or "F" 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, i.e., failing, zero 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*.)

Recording grades

No grade, except an "I" (Incomplete), shall be removed from a student's official permanent record once properly recorded, except in the case of inaccurate reporting or

recording. It is assumed that faculty exercise their best judgment when grades are formulated. 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 shall be made available by the registrar for official college purposes, such as the review of academic performance, but shall not be entered on the student's official permanent record or released on an academic transcript until appropriate payment is received by the college.

Incomplete grades

At the end of a course, a grade of "I" (Incomplete) shall be assigned only when a student has not completed all academic requirements and assignments, including regular examinations, in the course. The work that was incomplete must be completed within one calendar year from the end of the semester in which the incomplete grade was assigned. An incomplete grade becomes a failure after one year if the work is not satisfactorily completed. A student shall 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 a grade of 70 or better or "P." Failure to achieve a grade of 70 or better or "P" in a remedied or repeated course is grounds for dismissal. When a course is repeated or remedied, the original grade is slashed on the academic transcript and an asterisk is placed to indicate that the course has been repeated. Entries for the repeated course and the remedied grade are shown elsewhere on the transcript. When a course is repeated, the last grade recorded on the transcript will be used for calculation of the weighted average.

COURSE/INSTRUCTOR EVALUATION

Each student has a responsibility as a professional person 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 the course/instructor evaluations in order to receive a grade for the course. In the event that a student fails to complete the course/instructor evaluations, grades earned in the applicable courses shall be made available by the registrar for official college purposes, such as the review of academic performance, but shall not be entered on the student's official permanent record or released on an academic transcript until satisfactory completion of the course/instructor evaluation. Any student who fails to meet this requirement will receive a grade of "I" (Incomplete), which can be removed only by satisfactory completion of the course/instructor evaluations.

SPECIAL ACADEMIC PROGRAMS

Under extenuating circumstances, a student may request the privilege of a special academic program. 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. There is no assurance that requests will be granted.

Guidelines for a special program are as follows:

1. 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.

2. 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 a special program be granted to a student only for reasons of not being in good academic standing or to a student who has not applied himself/herself in studies at TCOM, including attending class. Furthermore, the student should have shown indication, as evidenced by efforts at TCOM, that he/she has the characteristics to be successful in the TCOM curriculum.

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

Auditing

Students at TCOM may audit a class if they have obtained permission from the vice president of 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 classes audited, but these courses will be shown on the academic transcript.

Use of animals in teaching

Animal use in teaching serves an indispensable purpose in the instructional programs of TCOM. The decision to use animals in teaching exercises is made entirely by the concerned department after careful consideration of the intended learning goals. The TCOM faculty is committed to the humane use and treatment of animals and shall follow the National Institute of Health Guide for the Care and Use of Laboratory Animals.

Participation in special environments

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

ACADEMIC STANDING

Advanced placement

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

To be placed in advanced standing, a student must have taken a course judged to be equivalent by the appropriate academic department, within two years previous to the date of admission, and awarded a minimum grade of "B." Failing any of the above conditions, a candidate may still be recommended for advanced placement by a department if the candidate has completed a similar course and obtains a minimum grade of "B" in a written comprehensive examination given by the department for this purpose prior to the student's program at TCOM.

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

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

the concerned department. Courses for which advanced standing is granted will be assigned the letters "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 Examiners for Osteopathic Physicians and Surgeons Inc. upon completion of the second year of the medical curriculum. A student is required to pass Part I (per the minimums established by the National Board of Examiners) for promotion to the third year. Students who fail to 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. Pending results of the second examination, such students will be allowed to continue in the junior classification on a provisional basis. A student who fails to achieve a satisfactory result on the second examination will not be allowed to commence clinical rotations upon completing fall courses of the junior year curriculum and will be considered on an individual study status. Students, with the approval of the vice president for academic affairs and dean, department chairman and the course director, may audit appropriate basic science courses in order to prepare for re-examination. Students must take a third National Board examination at the next regular testing period. Students who are taking the exams for the third time shall not be allowed to commence clinical rotations until

results are received by the registrar. Upon receipt of the results of the third examination, those students who fail to achieve a satisfactory score on the third and final examination will be dismissed from the college. Students who achieve a passing score on any attempt prescribed above will commence clinical rotations and be promoted without record of any deficiency.

All students are required to take Part II of the examination administered by the National Board of Examiners for Osteopathic Physicians and Surgeons Inc. in the fall of their fourth year. A student is required to pass Part II (per the minimums established by the National Board of Examiners) for graduation. Students who fail to pass Part II will have a second opportunity to take the test during the spring of the fourth year. If unsuccessful at the second try, they must take a third examination at the next regular testing period, in which case graduation will have to be delayed until notification of successful passage of the examination. Students who fail to pass Part II of the National Boards after three attempts will be dismissed from the college.

Senior examination

Each student shall sit for and pass a comprehensive examination prepared by the faculty and administered during the fourth year. A student who does not pass the comprehensive examination will be considered for dismissal.

Final examinations

No student may be exempt from taking final examinations. In addition, no final examination may be given early or

late, except in the case of unusual circumstances acceptable to the course director, the department chairman and the vice president for academic affairs and dean. Each case of this type will be considered on its individual merits.

Academic honors

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

The Dean's List recognizes those students each semester whose weighted averages comprise the highest 10 percent of each class enrolled in the college.

Academic honors are awarded with the degree at the graduation ceremonies to the graduates whose cumulative weighted averages comprise the highest 10 percent of the graduating class. The students in this group shall be designated as graduating *with honors*.

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.

No graduate may 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 therefore required for promotion to the next academic year. It must also be met before a Year III student will be allowed to begin clinical rotations, and the same standard has to 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 Examiners for Osteopathic Physicians and Surgeons and 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 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 academic probation or other actions may be recommended for students with failing grades and cumulative weighted average below 70 or for students whose performance in a number of courses is passing but low, i.e., 70-74. In addition, students may be placed on academic probation for ethical, professional and personal standards that fall below those established by the college.

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 as described under "Promotion Requirements" in the Student Handbook.

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 AND DISMISSAL

Withdrawal

Application for voluntary withdrawal from the college must be made in writing to the vice president for academic affairs and dean. Except in rare and special circumstances, the application will be accompanied by a personal interview. Every effort should be made to assure that no misunderstandings or errors occur in the withdrawal process.

At the time withdrawal is granted, an entry will be made on the official permanent record indicating the academic standing of the student. "Withdrawal, in good academic standing" shall be recorded provided that 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" shall be recorded if the student is on academic probation or has received course grades or averaged examination grades less than 70 during the semester in which the withdrawal is requested.

In addition, students must report to the Registrar's Office 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 consequently 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 vice president for academic affairs and dean and the withdrawing student. This

final decision and/or agreement must be in writing so that it is clear to all parties involved.

Leaves of absence

A student in good academic standing may request a leave of absence with the occurrence 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 may be 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.

The student must report to the Registrar's Office to sign a leave of absence form before he/she can officially leave the college.

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 earns failing grades in repeated courses or rotations at TCOM or at an outside institution;

4. a student fails a course for the second time, regardless of the method of remediation (no readmission would be granted at a later date);

5. 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 and withdrawal in good standing; or

6. a student has not demonstrated continued academic and professional growth and achievement.

For any student who withdraws due to poor academic progress and subsequently re-enters the college, unconditional dismissal with no opportunity for readmission would occur in the event a failing grade is received in any course following re-entry.

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 prior to graduation if circumstances of a legal, moral, behavioral, ethical, health or academic nature justify such an action.

REQUIREMENTS
FOR GRADUATION
CLASS OF 1990

A student who has satisfactorily completed all academic requirements and who has been recommended by the TCOM faculty may be awarded the doctor of osteopathy (D.O.) degree, provided he/she is of good moral character and that he/she:

1. has maintained at least a 70 cumulative weighted average, has no unremedied "F" grades and no grades of "I";
2. is at least 21 years of age;
3. has 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. has passed Part I and Part II of the examination administered by the National Board of Examiners for Osteopathic Physicians and Surgeons Inc.;
5. has passed a comprehensive examination prepared by the faculty and administered during the fourth year;
6. has complied with all legal and financial requirements of the college;
7. has exhibited the ethical, professional, behavioral and personal characteristics necessary

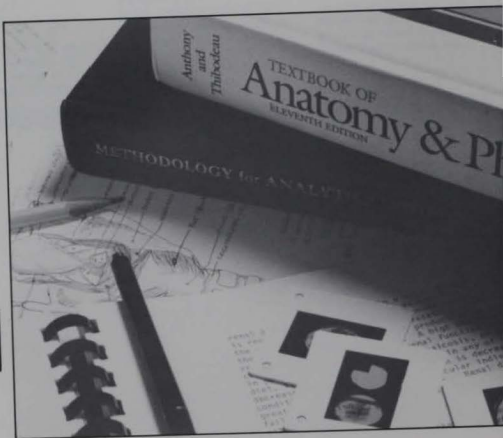
for the practice of osteopathic medicine;

8. attends 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.)
9. has completed a Clearance Check Form from the Office of the Registrar. This form, which must be returned to the registrar prior to graduation, is placed with the student's permanent record and serves as his/her final clearance from campus.

FOUR

CURRICULUM

Curriculum description
Program of instruction
Curriculum development
Curriculum
Course of study
Other graduate degree programs
Post-graduate programs



CURRICULUM DESCRIPTION

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

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

The following three terms, Semesters 3-5, are periods of study increasingly devoted to instruction in the clinical sciences in preparation for the clinical clerkship rotations and preceptorships.

The final months of the curriculum are devoted to clinical clerkship rotations and preceptorship assignments. During Semesters 6, 7 and 8, each student rotates through a series of preceptorships and clinic and hospital clerkships for a 15-month period. These rotations, units of four weeks each, are scheduled primarily in physicians' offices, college clinics and teaching hospitals of the college located in or near the Fort

Worth/Dallas area.

Semester 8 also includes additional 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 a specially designed program of short courses and seminars on campus. Topics addressed in this program are selected according to the educational needs of the students as determined in the months just prior to graduation.

PROGRAM OF INSTRUCTION

The instructional program at TCOM involves a variety of teaching methods and settings in order 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 the familiar classroom setting, there is an increasing effort to augment classroom lectures with other teaching methods. Numerous opportunities are provided for laboratory instruction in the preclinical sciences. Techniques being developed and implemented involve the use of small-group teaching, audiovisual materials, computer-assisted instruction

and simulated clinical experiences.

Beginning with the first semester, students are placed in a variety of community service agencies throughout the Fort Worth area in an effort to become familiar with the many health-related agencies in the community and the health problems with which they deal. During the second year, students are assigned to the office of an area osteopathic physician in order to experience firsthand the activities of general practice and to provide a gradual transition from the classroom to clinical settings.

CURRICULUM DEVELOPMENT

Faculty, administration and staff at TCOM are dedicated to the principles of academic excellence and constantly strive to improve the quality of the educational program. It is intended that each student will develop skills in self-learning and self-evaluation that will serve during formal medical education and throughout a professional career. Emphasis is placed on learning activities that assist each student to interact effectively with peers and to promote co-operative relationships with others in the health professions. Central to all the educational

activities in the curriculum is the goal of teaching critical thinking and of assisting each student to develop logical skills of clinical problem solving.

The administration and faculty have committed themselves to progressive revision of the curriculum and teaching in such a manner and direction as to increase the probability that the graduating physicians will more and more transfer the emphasis of their clinical efforts:

- from therapy to prevention; from remedial medicine to prophylactic medicine;
- from late-stage disease to early departure from health;
- from pathologic medicine to physiologic medicine, the objective of which is to help the individual achieve and continue on his or her best physiologic path;
- from treating disease to teaching healthful living, especially by example;
- from intervention in biologic processes to seeking their optimal operation by improving the conditions under which they operate;
- from focus on parts of the body to 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 being to support and disencumber the natural processes of homeostasis, healing and recovery, thus placing the patient in command of his/her situation;
- from preoccupation with disease processes to concern

about disease origins, from causes of disease 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 status of the patient;
- from an emphasis on depersonalized technology to a heightened awareness of human values and individual uniqueness.

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

The goals of such an educational program differ from those of traditional medical education. Implementation of these goals into the curriculum will of necessity be a gradual process. Ultimately, fundamental changes will be made in the curriculum design and teaching-learning processes, the 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 be a major step toward meeting the health needs of the State of Texas and the nation.

CURRICULUM*

Year 1—Semester 1

Embryology
Genetics
Gross Anatomy
Histology
Introduction to Clinical Science I
Introduction to Clinical Science II
Principles of Biochemistry

Year 1—Semester 2

Basic and Clinical Immunology
Basic Pathology
Embryology (*cont.*)
Gross Anatomy (*cont.*)
Histology (*cont.*)
Introduction to Clinical Science II (*cont.*)
Introduction to Clinical Science III
Medical Physiology
Neurobiology

Year 2—Semester 3

Biomedical Ethics
Community Selectives
Data Gathering
Expanding Concepts of Osteopathic Medicine with Applications
General Practice Preceptorship I
Medical Microbiology
Medical Pharmacology
Principles of Psychiatry
Systemic Pathology

Year 2—Semester 4

Clinical Biochemistry
Data Gathering (*cont.*)
Expanding Concepts of
Osteopathic Medicine
with Applications (*cont.*)
General Practice Preceptorship I
(*cont.*)
Gynecology
Medical Economics
Medical Jurisprudence
Medicine Lecture Series
Necropsy Pathology
Pediatrics
Principles of Anesthesiology
Principles of Psychiatry (*cont.*)
Public Health
Rehabilitation/Sports Medicine
Surgery Lecture Series
Systemic Pathology (*cont.*)

Year 3—Semester 5

Clinical Problem Solving
(*elective*)
Clinical Skills Training
Dermatology
Ear, Nose, Throat—Facial
Plastic Surgery
General Practice
Preceptorship II
Introduction to Advanced
Cardiac Life Support

Medicine Lecture Series (*cont.*)
Obstetrics
Ophthalmology
Pediatrics (*cont.*)
Principles of Radiology
Rehabilitation/Sports Medicine
(*cont.*)
Sociocultural Impacts on
Health Care
Surgery Lecture Series (*cont.*)

Year 3—Semester 6 and

Year 4—Semester 7

Core Clerkships
Ambulatory Care
Emergency Medicine
General Practice Junior
Partnership
Medicine
Mental Health
Obstetrics and Gynecology
Pediatrics
Pulmonary Medicine
Surgery
Elective Clerkships

Year 4—Semester 8

Eighth Semester Program
ACLS Certification
Medical Jurisprudence
Special Guest Speakers
Elective Clerkships

COURSE OF STUDY

One semester hour equals 16 hours of scheduled instruction including examinations, exclusive of clinical clerkship rotations.

Determination of the appropriate credit hour distribution for each course is recommended annually by the Curriculum Committee after consideration of the credit hour distribution recommended by the course director and the department.

The three digits of a course number assist in identifying the type of course, course series and semester in which it is taught. A first number 5 refers to courses in the basic sciences division; 6 indicates clinical sciences, including pathology; 7 is a required clinical clerkship rotation; 8, an elective clerkship rotation; and 9, an interdepartmental or other special course. If a course is divided into two periods of instruction, the second digit will be the same for each course. The third digit indicates the semester the course is begun, beginning with 1 for the first semester of the first year to 8 for the second semester of the fourth year. Clinical clerkship rotations begin with 7 or 8 and are numbered sequentially, using the last two digits.

Interdepartmental and other special courses begin with 9 and are numbered sequentially, using the last two digits.

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

DEPARTMENT OF ANATOMY

Faculty

Wise, chairman
Aschenbrenner
Carnes
Rudick
Schunder
Wordinger
Bourdage
Cammarata
Dzandu
Lieska
Orr

Adjunct Faculty

Galvas

511. Gross Anatomy

A complete study of the gross morphological features of the human body with organizational lectures and the systematic dissection of a human cadaver. The complete dissection of a human cadaver is required of all students for successful completion of the course. Lectures and dissection laboratory sessions will be

integrated with living anatomy laboratories during which students identify the surface locations of important organs on fellow students by using bony landmarks as guides. The body will be studied using a regional approach. Regions to be studied include: 1) upper extremity and back; 2) head and neck; 3) thorax and abdomen; and 4) pelvis, perineum and lower extremity. 13 semester hours, first year, semesters 1 and 2.

521. Histology

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, semesters 1 and 2.

532. 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.

541. Embryology

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

551. Genetics

Principles of genetics of human disease with special emphasis on genetic counseling, chromosomal abnormalities. Mendelian genetics and polygenic disorders. 2 semester hours, first year, semester 1.

DEPARTMENT OF ANESTHESIOLOGY

Faculty

Stern, P.,
chairman
Gallehugh
Kahn
Bailey

Clinical Faculty

Harman
Kebabjian
Kelso, E.
Stern, S.
Cogdill
Leech
Ponitz
Speece, A.
Neisler
Paillet
Sears
Stanton
Stein

614. Principles of Anesthesiology

The scientific basis and fundamentals of anesthesiology are presented by lecture, seminar, demonstration and the use of audiovisual materials. Course goals are to teach the concepts and skills with which all physicians should be familiar:

- Technics of preoperative evaluation to recognize those patients and situations that pose an increased anesthetic risk;
- Preoperative therapy for such patients to minimize this risk;
- The characteristics of commonly used anesthetic agents and technics, their risks and

complications;

- The safe use of local anesthetics;
- The principles and skills involved in airway management;
- The principles and technics involved in the management of acute and chronic pain.

1 semester hour, second year, semester 4.

Prerequisite: Pharmacology 513

811. Clinical Clerkship in Anesthesiology

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

511. Principles of Biochemistry

A study of the molecular basis of health and disease in the human. 5 semester hours, first year, semester 1.

514. Clinical Biochemistry

A study of the biochemistry involved in the laboratory diagnosis of disease. Includes correlative study of the clinical expression of biochemical disorders. 4 semester hours, second year, semester 4.

**DEPARTMENT OF
BIOCHEMISTRY
Faculty**

Gracy, chairman
Harris, B.
Jacobson, M.
Lacko
Norton
Cook, P.
Jacobson, E.
Masarachia
Wu
Pirtle
Bertagnolli
Hunter

B**615. Dermatology**

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

**812. Clinical Clerkship in
Dermatology**

An elective four-week rotation in dermatology. 4 semester hours.

**DEPARTMENT OF
DERMATOLOGY
Faculty**

Goetz, chairman
Clinical Faculty
Cohen, J.
Garcia
Ingraham
Way

D**613. Data Gathering**

Designed to correlate first-year courses and to refine the students' ability to gather data (both history and physical) from a patient. The problem areas in data gathering are scrutinized and the individual students are given direct feedback on their projects. Also included is common medical nomenclature, which the student is expected to utilize in learning a logical method of gathering data. The course is taught both in didactic settings and in clinical settings with actual patients. 1 semester hour, second year, semesters 3 and 4.

**623. General Practice
Preceptorship I**

A preceptorship during the second year in which the student spends eight afternoons in the office of a general practitioner. The student practices physical examination skills and observes models of osteopathic practice. 2 semester hours, second year, semesters 3 and 4.

**625. General Practice
Preceptorship II**

A preceptorship in which the student spends four days in the office of a general practitioner practicing physical examination skills and observing models of osteopathic practice. 2 semester hours, third year, semester 5.

**DEPARTMENT OF
GENERAL AND
FAMILY PRACTICE
Faculty**

Bunnell, chairman
Richards
Urban
Baldwin, R.
Clark, W.
Dean
Falbey
Flanagan
Gamber
Jenkins, C.
Peterson
Williams
Zachary
Devenport, C.
Leifheit
Hooper
(cont.)

G

Clinical Faculty

Carlton	Hairston
Everett	Halcomb
Kinzie	Hall, R.M.
Sharp	Hall, R.W.
Abbey	Hames
Albarado	Hamilton
Armstrong	Hayes, L.
Ayer	Heaver
Baird	Hinshaw
Baldwin, K.	Holston
Barkman	Howell
Behrens	Karpen
Beiser	Keilers
Bernstein, D.	Kelley
Bernstein, S.	Kelso, G.
Boyd	Kirlin
Brandwein	Konold
Bryant	Kozura
Bull	Ling
Burns	Linton
Burrows	Listopad
Candelaria	Little
Carnicky	Martin
Carpenter, B.	Mayer
Carpenter, J.	Maynard
Carter	McCarty, F.
Castoldi	McLeod
Cegelski	Medina
Chambers	Merrill
Christiansen	Millington
Compton	Mims
Cowger	Mollen
Cunniff	Montgomery-Davis
Daniels	Morgan
Davis, D.	Natkow
Dayton	Nobles
Diaz	Nolen
Dowling	Norris
Dubin	Padget
Earp	Patzkowsky
Elkowitz	Pettyjohn
Faigin, A.	Peyton
Feinstein	Phillips
Galewaler	Poetz
Ganz	Polasky
Garmon, A.	Pressly
Gartzman	Pruzzo
Greenstone	Puryear
Griffith	Rader
Haberer	Randolph

(cont.)

701. Core Clinical Clerkship in Ambulatory Care

A required 12-hour rotation in the third or fourth year. Provides the student clinical experience in family practice. Each student is assigned to a departmental outpatient clinic, where he/she experiences the problems of family care and continuity of care and also is introduced to patterns of patient referral and community aspects of health care. 12 semester hours.

702. Core General Practice Junior Partnership

A required four-week rotation in ambulatory care with a general practitioner. 4 semester hours.

801. Clinical Clerkship in Ambulatory Care

An elective four-week rotation in the third or fourth year. Provides the student clinical experience in family practice. Each student is assigned to a departmental outpatient clinic, where he/she experiences the problems of family care and continuity of care and also is introduced to patterns of patient referral and community aspects of health care. 4 semester hours.

802. General Practice Junior Partnership

An elective four-week rotation in ambulatory care. 4 semester hours.

703. Core Clinical Clerkship in Emergency Medicine

A required four-week rotation in emergency medicine. 4 semester hours.

803. Clinical Clerkship in Emergency Medicine

An elective four-week rotation in emergency medicine. 4 semester hours.

Division of Emergency Medicine Faculty

Papa, director

Deagle

Parent

Zemenick

Clinical Faculty

Hudson

Johnson, H.

Key

Ray, J.

Schuricht

Vinson

Hulse

Sharratt

Waytuk

820. Clinical Clerkship in Substance Abuse

An elective four-week rotation in substance abuse. 4 semester hours.

Division of Substance Abuse Faculty

Faigin, N., director

Esselman

Raven, S.

Ray, D.

Redels

Reeves

Rhodes

Rocha

Rogers

Rubin, G.

Russell

Samano

Sandknop

Saperstein

Schildberg

Shauf

Shields

Shook

Siefkes

Smith, G.

Smith, J.

Smith, R.

Sparks

Speece, C.

Steingard

Styduhar

Suderman

Thomas

Tisdale

Truman

Villegas

Walton

Watkins

Wershaw

Whitham

Wiman

Wright

Yezbick

Young, A.

Barber

Barth

Birdwell

Burke

Cook, C.

Coventon

Czewski

Davis, J.

Davis, M.

Devenport, B.

Farrar

Gardner

Garmon, P.

Haman

Hawa

Hayes, R.

Herr

Hill

Holland, B.

Isbell

Kent

Kincheloe

Kirkdorffer

Kravetz

Lee

Levine, K.

Lewis

Lizerbram

Lopez

Manos

Maul

McShane

Morgan

Peden

Pettit

Pipes

Polk

Porter

Probst

Puempel

Reichert

Renna

Scott

Smola

Spain

Spinks

Thompson, J. C.

Thompson, J. P.

Thornton

Umstand

Ungerleider

Walsh

Wiseman

Wolf

Wray

Young, M.

Zini

Franz

Garrison

Glidden

Kirkwood

Knight

Palmer

Post

Samuels

**DEPARTMENT OF
MANIPULATIVE
MEDICINE**

Faculty

Peckham, acting chairman
Harakal, J.H.

Korr

Richards

Gramer

Swartz

Hannum

Holland, E.

Irvine

Emeritus Faculty

Coy

Clinical Faculty

Carlton

Beyer, R.

Galvas

Samuels

Teitelbaum

Introduction to the basic philosophy and principles of osteopathic health care, formerly courses 611 and 612, is presented within the Introduction to Clinical Science series. 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 utilizing primarily the methods of muscle energy and articulation by thrusting.

613. Expanding Concepts of Osteopathic Medicine with Applications

Presentation of several six- to nine-week manual medicine sections in different treatment methods—including articulation/thrusting, muscle energy, counterstrain and cranio-sacral—to develop proficiency in palpatory examination and expand the

therapeutic range of manipulative medicine. Practical application for various clinical entities and organ systems is presented in the final section. Guest clinicians present lectures and practice training sessions. 6 semester hours, second year, semesters 3 and 4.

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 Consultants of Fort Worth 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.

**DEPARTMENT OF
MEDICAL
HUMANITIES**

Faculty

Gallehugh, chairman

Ogilvie

Dolan

Clinical Faculty

McManus

Priddy

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 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 inter-relationships are

introduced to students through courses already being taught by other departments.

Opportunity is provided for students to do self-instructed and selective humanities-related study projects, with approval through special consultation with the chairman of the Department of Medical Humanities.

614. Medical Jurisprudence

Legal aspects of medical practice, including medical-legal reports, requirements for court

testimony, medical malpractice and organization of a medical practice. 2 semester hours, second and fourth years, semesters 4 and 8.

624. 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, gerontology and general medicine. Problem-solving methods are introduced and various patient-oriented histories are interspersed. The course also has input from various basic science faculty to correlate principles stressed in previous courses. The comprehensive nature of this course will provide the student with the basic building blocks of medicine to start his/her clinical experience. 9 semester hours, second and third years, semesters 4 and 5.

704-705. Core Clinical Clerkship in Medicine

Two required four-week clerkships in medicine completed at the same affiliated hospital. The clerk works at solving real problems with actual patients under rigorous preceptor audit, gathering a defined data base, processing this data and formulating a problem list. He/she generates a management plan and records the patient's progress. All activity is carefully audited by an interested preceptor according to criteria of thoroughness, reliability, logic and efficiency. Manual skills and

813. Clinical Clerkship in Medical Humanities

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

procedures are learned. Evaluation focuses on clerk behavior and proficiency as well as on cognitive memory. 4 semester hours each.

706. Core Clinical Clerkship in Pulmonary Medicine

A required four-week clerkship in cardiopulmonary medicine and surgery at the University of Texas Health Center at Tyler. The clerk solves cardiac and pulmonary 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 in the utilitarian 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.

(cont.)

DEPARTMENT OF MEDICINE

Faculty

Clearfield, chairman
Johnson, M.
Scheel
Blais
Garmon, R.
Graitzer
Gratch
Jacobson, E.
McIntosh
Bleicher
Fisher, R.G.
Maxvill
Ostransky
Rubin, B.
Trinkle
Troutman

Clinical Faculty

Akhtar
Beckwith
Cramer
Gatmaitan
Hosler
Jones, M.
Locke
Tacka
Waddell
Wilson
Bode
Cohen, P.
Dietrich
Flaggman
Godell
Johnson, E.
Jordan
Kopman
Pincus
Reese
Trese

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

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

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

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

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

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

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

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

DEPARTMENT OF MICROBIOLOGY AND IMMUNOLOGY

Faculty

Measel, acting chairman

Allen, L.

Barrow

Harris, E.

Keyser

Cox, D.

Hunter

Adjunct Faculty

Lanier

Reifel

522. 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. The fundamentals of microbiology and a survey of the characteristics of the microbial and animal parasites of man are presented. 3 semester hours, first year, semester 2.

533. Medical Microbiology
Study of the characteristics of infectious organisms (viruses, bacteria, fungi, rickettsia and animal parasites) is followed by study of infectious diseases presented by physiological systems. Emphasis is on the dynamics of the host-parasite relationship related to disease susceptibility, pathogenesis, diagnosis, treatment and control. Special topics include medical entomology, epidemiology, nosocomial infections, chemotherapy and immunization. Lectures, laboratories, simulated patient case presentations and problem-solving are utilized. 8 semester hours, second year, semester 3.

614. 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.

615. 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.

DEPARTMENT OF OBSTETRICS AND GYNECOLOGY Faculty

*Budd, L., chairman
Walker
Adams
Iglesias
Clinical Faculty
Matthews
Fischer
Guthrie
Stockburger*

613. Basic Pathology

The student is taught general mechanisms and pathological processes associated with inflammation and repair, cell injury and death, infection, fluid and hemodynamic derangement and neoplasia. Knowledge of these physiopathological processes will enable the student to explain the effects of diseases/disorders in terms common to the field of medicine. The student physician will be able to understand concepts of immunity, systemic disorders and altered physiological states using the general mechanisms of pathology taught herein. 1 semester hour, first year, semester 2.

614. Systemic Pathology

Students are taught to integrate basic science data with pathogenic mechanisms and subsequent morphology in order to enable them to recognize, understand and predict the effects of those pathologies they will encounter in clinical medicine. The course will enable the students to trace the history of selected diseases, to identify and predict subsequent clinical manifestations of

diseases. The course also will enable the students to explain selected laboratory findings in relation to physical findings and disease states. Explicit training in clinical reasoning from a pathological perspective is a major focus of the course. The course is taught jointly by faculty drawn from throughout the clinical division and the Department of Pathology. 11 semester hours, second year, semesters 3 and 4.

624. Necropsy Pathology

Correlation of case histories with postmortem findings and follow-up microscopic examination and techniques of reporting to correlate antemortem clinical findings and the course of disease with postmortem findings. 1 semester hour, second year, semester 4.

817. Clinical Clerkship in Pathology

An elective four-week rotation in pathology. The rotation may include special studies at TCOM laboratories, TCOM pathology departments or departmentally approved hospital rotations. All rotation approvals are at the

DEPARTMENT OF PATHOLOGY Faculty

*Fernandes, acting chairman
Honeckman
Hubacher
Wimbish
Krouse
Peerwani*

O

P

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DEPARTMENT OF PEDIATRICS

Faculty

Gilfillan, chairman

Hochberger

Levine, A.

Clinical Faculty

Gonzalez

Holton

Ostrom

Philben

DEPARTMENT OF PHARMACOLOGY

Faculty

Lal, chairman

Elko

Emmett-Oglesby

Lane

Quist

Yorio

Lasley

Retz

Hunter

Adjunct Faculty

Busbee

DeSantis

Donohue

Hooper

discretion of the chairman of the Department of Pathology. 4 semester hours.

Institute of Forensic Medicine

The Institute of Forensic Medicine operates under the Department of Pathology,

performing forensic clinical work for hospitals, physicians and medical examiners/coroners in the state, supporting research of other departments and teaching both TCOM students and toxicology students earning their degrees through NTSU.

614. 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, along with 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.

513. Medical Pharmacology

A review of fundamental principles of drug action in humans, including physico-chemical principles, pharmacodynamics, pharmacokinetics and drug interactions. Common

drug classes are presented, with emphasis on their principal actions, adverse reactions, contraindications and therapeutic applications. 7 semester hours, second year, semester 3.

512. 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.

623. 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

532. 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.

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.

614. Public Health

A course in applied epidemiology and public health issues to establish in the mind of the primary care physician the intimate relationship between environment and commonly seen illnesses. Eleven hours of the course are concerned with epidemiological and statistical issues. The second part of the course covers major public health issues and their importance in primary care. Issues, such as air and water quality, nutrition and health, chronic illnesses, sexually transmitted diseases, diabetes and mental health, will be presented. 2 semester hours, second year, semester 4.

DEPARTMENT OF PHYSIOLOGY

Faculty

Jones, C., chairman
Downey
Scheel
Barker
Caffrey
Gaugl
Raven, P.
Gwirtz
Kutsky
Sinclair
Hunter
Liang

DEPARTMENT OF PSYCHIATRY AND HUMAN BEHAVIOR

Faculty

Micklin, acting chairman
Ahmed
Hall, J.
Liverman
Lorance
Ratliff
Luke
Bodenhamer
Clinical Faculty
Yents

DEPARTMENT OF PUBLIC HEALTH AND PREVENTIVE MEDICINE

Faculty

Woodworth, acting chairman

Division of Public Health and Community Medicine
Faculty
Olson, acting director
Steenkamp
Jeutersonke
Faubert
Eisenberg
Emeritus Faculty
Ellis
Clinical Faculty
Campbell
Taylor, B.

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. In addition to the following courses, department faculty members participate in Introduction to Clinical Science and other interdepartmental courses.

**Division of
Rehabilitation/Sports
Medicine**

Faculty

Moss, acting director

Tepper

Flint

McGill

McNeill

Regier

Clinical Faculty

Lawlis

**Division of Health
and Human Fitness
Faculty**

Weiss, acting director

Hagan

Kaman

Micklin

Taylor

Woodworth

Blankenship

Weis

Clinical Faculty

Mahapatra

**614. Rehabilitation/
Sports Medicine**

Rehabilitation: Designed to help students develop empathy for disabled persons and enthusiasm for rehabilitative processes. Students are shown clinical procedures essential for skillful applications of rehabilitative principles in the general practice of osteopathic medicine; emphasis is on restorative techniques during primary and emergency care and comprehensive management of actual rehabilitation problems.

Sports Medicine: Students are taught a multidisciplinary approach stressing prevention, recognition and treatment of sports-related injuries and the rehabilitation of the injured athlete.

Students will be introduced to these "arms" of service: physical/structural/rehabilitative

medicine, sports medicine, cardiac rehabilitation, rehabilitative psychological services, physical therapy, occupational therapy and speech pathology, and chronic pain management. Students will be instructed in the use of isokinetic muscle training, whirlpool, ultrasound, TNS, cryotherapy, hydrotherapy, osteopathic manipulative treatment and other treatments. 3 semester hours, second and third years, semesters 4 and 5.

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

An elective four-week rotation in rehabilitation/sports medicine 4 semester hours.

**806. Clinical Clerkship in
Health and Human Fitness**

An elective four-week rotation in health and human fitness. 4 semester hours.

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R

**DEPARTMENT OF
RADIOLOGY**

Faculty

Wilkins, chairman

Kemplin

Clinical Faculty

Bascone *Lively*

Beck *Nelson*

Bradley *Pearson*

Briney *Podolsky*

Dott *Yurkon*

Fannin *Johnson, W.*

Gabier *Wade*

Lancaster

615. Principles of Radiology

The study of the basic principles of diagnostic X-ray, CT scanning, ultrasound, nuclear medicine and radiation therapy; correlation of anatomy, physiology and pathology; and the clinical application of these

methods of examination. 2 semester hours, third year, semester 5.

**818. Clinical Clerkship in
Radiology**

An elective four-week rotation in radiology. 4 semester hours.

614. Surgery Lecture Series

A basic didactic 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 are also presented. Following completion of the course, the students should be aware of common surgical problems and know the diagnostic and therapeutic regimens association with each. Students should be able to correlate principles of the basic sciences to clinical conditions and should have solid foundations in the

basic clinical knowledge necessary for competent patient management in their clinical rotations. 6 semester hours, second and third years, semesters 4 and 5.

710. Core Clinical Clerkship in Surgery

A required four-week clerkship in surgery in an affiliated hospital. 4 semester hours.

810. Clinical Clerkship in Surgery

An elective four-week clerkship in surgery in an affiliated hospital. 4 semester hours.

615. Ophthalmology

The basic course is designed to give medical 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. 1 semester hour, third year, semester 5.

625. Ear, Nose, Throat-Facial Plastic Surgery

Clinical diagnosis and therapy of disorders of the ear, nose, paranasal sinuses and throat. Bronchoesophagology, respiratory allergy and diagnosis of head and neck neoplasms. Principles of examination and the use of diagnostic instruments and screening audiometers. 1 semester hour, third year, semester 5.

814. Clinical Clerkship in Ophthalmology

An elective four-week rotation in ophthalmology. 4 semester hours.

816. Clinical Clerkship in Otorhinolaryngology

An elective four-week rotation in otorhinolaryngology. 4 semester hours.

DEPARTMENT OF SURGERY**Faculty**

Jenkins, W., chairman

Hawes

Willard

Bilyea

Tyler

Buchanan

Clinical Faculty

Biggs

McCarty, W.

Calabria

Powell

Dobson

Quatro

Fisher, R.B.

Ross

Turner

Smith, E.

Wakim

Stone

Beyer, D.

Sufian

Glickfeld

Swords

Hey

Tuinstra

Martz

Weldon

**Section of Ophthalmology
Clinical Faculty**

Ranelle, H.

Ranelle, B.

Scadron

Van De Grift

Cundari

**Section of
Otorhinolaryngology
Clinical Faculty**

Brooks

Van De Grift

Mazeika

INTERDEPARTMENTAL PROGRAMS

900. Directed Studies

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

903. Biomedical Ethics

A required bi-weekly discussion on major ethical issues in health care. Coordination provided by faculty of the Medical Humanities Department. 1 semester hour, second year, semester 3.

904. Medical Economics

A required weekly panel discussion on economic issues in the practice of medicine and the American health care system. Coordination provided by faculty of the Department of Medical Humanities. 1 semester hour, second year, semester 4.

905. Sociocultural Impacts on Health Care

A required weekly panel discussion of social and cultural aspects of patient care and application of these concepts to practice with different populations. Coordination provided by faculty of the Department of Medical Humanities. 1 semester hour, third year, semester 5.

910. Introduction to Advanced Cardiac Life Support

A condensed version of ACLS protocols, procedures and drug regimens will be introduced to students as they prepare to embark on clinical rotations. Emphasis will be on synthesizing basic science information such as pharmacology (drug therapy) and physiology (EKG interpretation) into a coordinated approach in dealing with acute care situations. Coordination

provided by faculty of the Emergency Medicine Division. 1 semester hour, third year, semester 5.

911. ACLS Certification

An intensive presentation following American Heart Association guidelines for Advanced Cardiac Life Support will be presented to the fourth-year class with the intention of the students' gaining national AHA certification. Coordination provided by faculty of the Emergency Medicine Division. 2 semester hours, fourth year, semester 8.

923. Community Selectives

Designed to allow students to learn the function and contribution of other health-related disciplines; experience consists of observation in paramedical and ancillary health services in the community. Coordination provided by the Public Health and Preventive Medicine Department. 1 semester hour, second year, semester 3.

924. Clinical Skills Training

An introduction to medical and surgical skills required in hospital practice. Taught in small group laboratory sessions in which the skills are demonstrated and practiced. The course focuses on the clinical relevance of the procedures, indications and contraindications of their use, steps required for their accomplishment and potential complications and side effects of their use. Coordination provided by faculty of the Surgery Department. 1 semester hour, third year, semester 5.

941. Introduction to Clinical Science I

A historical orientation to osteopathic health care and the osteopathic approach to patients. The evolution of osteopathic medicine along with its philosophy and principles are unfolded in concert with the shift in the health care system and its consumers toward health promotion/disease prevention. Students explore fundamental techniques of osteopathic manipulation and learn how to interact with patients, obtaining information from them concerning their health problems and the lifestyles that are inherent to those problems. 6 semester hours, first year, semester 1.

942. Introduction to Clinical Science II

Introduces students to physical assessment of the patient, with physical examination and osteopathic assessment correlated by major body regions. Students also are introduced to acute/basic life support techniques. 7 semester hours, first year, semesters 1 and 2.

943. Introduction to Clinical Science III

Osteopathic approaches to intervention. Students explore a variety of approaches taken by osteopathic physicians to effect changes toward health in their patients. The osteopathic assessment of ICS 942 continues to address the treatment modality of muscle energy, and additional emphasis is now given to identifying those behaviors that contribute to health and those that are associated with increased risk. Students are introduced to the nutritional requirements of patients and to methods of facilitating self-directed behavior

change in patients. 4 semester hours, first year, semester 2.

959. Clinical Problem Solving (Elective)

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

State University Graduate School.

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

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

Joint 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/NTSU program is

interdisciplinary, with the degree plan individually designed for the specific needs of the student.

The degree will require (1) satisfactory completion of the first two years of course work at TCOM, (2) a minimum of 18 semester hours of graduate level course work through NTSU, including a six-hour thesis and (3) approval of the student's advisory committee and the NTSU Graduate School dean. The degree, conferred by NTSU, is available with concentrations in anatomy, biochemistry, microbiology and immunology, pharmacology, toxicology and physiology.

Prospective students must contact the basic health sciences chairman at NTSU during the early planning stages with regard to specific requirements in each of the divisions.

Joint Ph.D./D.O. program

A limited number of students who have been accepted by the TCOM Admissions Committee may be permitted to pursue a joint doctoral degree program. This effort could ultimately result in the awarding of both the D.O. degree through TCOM and the Ph.D. degree through NTSU. Acceptance into the joint program will require the approval of the vice president for academic affairs and dean at TCOM and the dean of the NTSU Graduate School, as well as acceptance into the doctoral program by the appropriate NTSU department.

A joint doctoral degree will permit the individual to actively pursue a career in research and/or academic medicine. The joint training programs will introduce the student/doctor to

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 North Texas

modern research techniques and methodologies, which should reinforce a basic understanding of clinical techniques and procedures. Such a combination would permit the student to carry out fundamental research programs in clinically relevant areas.

The program normally will involve the student/doctor successfully completing the basic science courses in the medical curriculum, and then accepting a withdrawal from TCOM to complete additional graduate course requirements and the dissertation research for the Ph.D. Upon satisfactory completion of graduate study, the student would then re-enter the medical program at the appropriate level and complete the clinical requirements for the D.O. degree.

TCOM students interested in the joint Ph.D./D.O. program

should contact the associate dean for basic sciences at TCOM and the graduate dean at NTSU early in the planning stages. Graduate course work and dissertation research may be carried out on the TCOM campus in Fort Worth and/or the NTSU campus in Denton.

POST-GRADUATE PROGRAMS

Medical/basic science study

Individuals who already have earned the D.O. degree and who may be interested in pursuing the Ph.D. should contact the NTSU Graduate School dean for further information.

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

Residency program in anesthesiology

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

as defined by the American Osteopathic Board of Anesthesiology. (The practice of anesthesiology shall be defined as consisting of and including that branch of medical science, art and practice that deals with the use of anesthetic agents and the care of complications incident to their use.)

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

Residency program in general and family practice

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

The TCOM program is associated with the affiliated hospitals. It is a two-year program with a third year optional, inclusive of the internship year as the first year of the residency. The program provides the educational requirements to qualify residents for membership in the American College of Osteopathic General Practitioners and for eventual examination by the American Board of Osteopathic General Practitioners to pursue certification in general practice.

Residency program in medicine

TCOM offers an American Osteopathic Association-approved

residency program for training qualified osteopathic physicians in the practice of general internal medicine.

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

Residency program in 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.

FIVE

STUDENT AFFAIRS

*Office of Student Affairs
Student activities
Honors and awards
Scheduling events
Military affairs*



OFFICE OF STUDENT AFFAIRS

The Office of Student Affairs provides assistance to students from the time they apply for admission to Texas College of Osteopathic Medicine through matriculation to graduation and beyond, in an attempt to facilitate their academic training, personal growth and development.

In addition, this office assists the president of the college in interpreting student needs and in creating an atmosphere that stimulates learning and integrates out-of-class activities 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 affairs to students. To this end, the Office of Student Affairs oversees a series of activities, including admissions, counseling, financial aid, military affairs and student services.

ID cards

TCOM identification cards are issued during fall registration.

Housing

TCOM does not have student housing available. Students are responsible for making their own living arrangements. Information regarding apartments is available through the Office of Student Affairs.

Guidance, counseling and academic advisement

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

Counseling services are available for students and spouses on an appointment or walk-in basis for discussion of academic or personal problems. Group counseling sessions may be scheduled throughout the year and are open to all students and spouses.

Academic advisement services are available for students on an appointment or walk-in basis. These services include counseling in learning skills effectiveness, time management, test-taking skills and a developing tutorial program. The Office of Student Affairs works closely with

both preclinical and clinical sciences faculty and the Office of Academic Affairs to provide direction and support in periods of academic difficulty, to plan alternate programs or to assist in reassessment of priorities.

Health services

TCOM students may utilize the health care services of the Central Family Practice Clinic in Medical Education Building 1 for no charge except for laboratory, X ray and drug costs.

All students are required to provide for their own health care coverage while in attendance at the college. Information is available in the tuition and fees section of this catalog.

Employment service

Assistance is provided to student and spouses in locating part-time and/or fulltime employment. Interested students and/or spouses should contact the Office of Student Affairs or Personnel Office at TCOM or the Texas Employment Commission.

Food service

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

Student discounts

Several discounts are available

to students for recreational activities, commercial items and restaurants, and efforts are continually made to obtain additional discounts. Information regarding this program is available from the Office of Student Affairs.

STUDENT ACTIVITIES

Recreational activities at TCOM include pocket billiards and ping pong in the first-floor lounge of Medical Education Building 1, as well as active softball and basketball teams. TCOM's Institute for Human Fitness, located in the River Plaza Campus Center, offers additional facilities and programs designed to meet individual needs.

Organizations

A variety of organizations are available in which students may participate.

American Osteopathic Association—recognized national organization of the osteopathic profession; membership open to all students.

Atlas Club—a professional fraternity dedicated to advancing the principle of osteopathic medicine; membership by invitation only.

Black Medical Student Organization—a support system to identify special needs and seek solutions. Assistance is given to development of study skills and habits necessary for a medical school curriculum.

Christian Medical Society—has a membership of more than

5,300 physicians, dentists, medical missionaries and medical and dental students committed to living the Christian faith through their profession. CMS is the only Christian organization with extensive ministry to medical and dental students, providing support during their years of training and preparing them for future practice and service.

Delta Omega—a source of practical help and moral support to all female students at TCOM.

Mexican-American Medical Student Association—provides support and promotes unity for members with emphasis on health and wellness of the Mexican-American community; membership open to all students.

Student Associate Auxiliary—affiliated with the Auxiliary to the American Osteopathic Association; membership open to spouses of TCOM students; contributing membership available. The objectives are to prepare members for their future as spouses of osteopathic physicians and to promote projects that will benefit TCOM, the local community and the osteopathic profession. The objectives are achieved through educational programs and social activities for students and their families.

Student Chapter of the American College of General Practitioners in Osteopathic Medicine and Surgery—offers membership to all interested students. Purpose of the organization is to foster an informed

interest in general practice while providing direct contact between student/doctors and active general practitioners.

Student Government Association—composed of representatives from each of the four classes who are elected in January for the calendar year to represent the student body in matters related to student, faculty and administrative affairs. The president of the SGA and SGA adviser serve as liaisons between students and the administration.

Sigma Sigma Phi—a national osteopathic honorary service fraternity. Membership, by invitation, is extended to those students in the last half of the sophomore year or the first half of the junior year who are in the upper third of their class academically and who show qualities of leadership. Chapter membership is limited to 15 percent of the student body.

Speculum Staff—plans, prepares and publishes the yearbook, *Speculum*.

Student Osteopathic Medical Association—offers membership to all students. Purposes of SOMA are to improve the quality of health care delivery to the American people, contribute to osteopathic medical education, establish lines of communication with other health science organizations and prepare its members to meet the moral, social and ethical obligations of an osteopathic physician.

TCOM Acrophilics Flying Club—promotes general aviation knowledge and safety and allows students, faculty, staff and

their immediate families access to inexpensive airplanes for rent and instruction for all classes of licenses.

Undergraduate Academy of Osteopathy—an organization for students who devote extra-curricular time to study of the theory and application of osteopathic philosophy.

Undergraduate Academy of Sports Medicine—affiliated with the American Osteopathic Association of Sports Medicine. Its purpose is to expose students to the field of sports medicine and enhance professional skills through lectures, seminars and participation in local sporting events.

Sr. Memorial Award, the Robert G. Haman, D.O., Memorial Award and the Dean's Award. Additional honors and awards will be announced as they are identified.

SCHEDULING EVENTS

Student organizations may schedule extra-curricular seminars, programs and guest lectures. Such activities must be approved by the Office of Student Affairs, and facility reservations are made in the Office of News and Information Services.

copy of Form DD-214 should be forwarded to the Office of Student Affairs.

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

HONORS AND AWARDS

Students are selected each year for Who's Who in American Universities and Colleges.

T. Robert Sharp General Practitioner of the Year Award, Wayne O. Stocketh Award, Upjohn Achievement Award, Sandoz Inc. Award, the Lemmon Company Award, the Arrowsmith Award, the Robert J. Nelson, D.O., Memorial Award, the Sam W. Buchanan

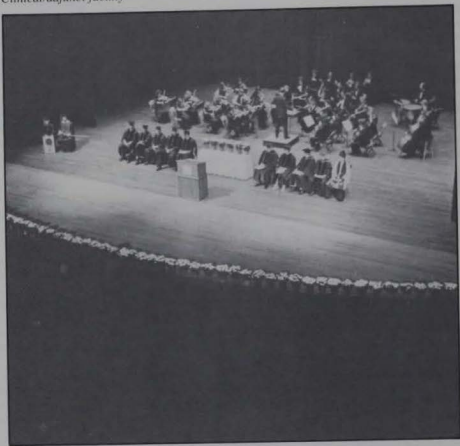
MILITARY AFFAIRS

Texas College of Osteopathic Medicine is approved by the Texas Education Agency for the training of men and women who have served in the armed forces, and 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 Student Affairs for the appropriate forms. The completed forms and a

SIX

THE FACULTY

*The faculty
Emeritus faculty
Professional library staff
Clinical/adjunct faculty*



THE FACULTY

Adams, Robert C., D.O.

Assistant Professor, Obstetrics and Gynecology;
B.S. Northeast Missouri State University, D.O.
Kirkville College of Osteopathic Medicine
Ahmed, Bashir, M.D.

Professor, Psychiatry and Human Behavior; B.S.
Osmania University, M.D. Karachi University
Alexander, Jerry, Ph.D.

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

Allen, Lois B., Ph.D.

Associate Professor, Microbiology and Immunology;
B.S. Georgetown College, M.S. Michigan
State University, Ph.D. University of Michigan
Anderson, J. Warren, Ed.D.

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

Aschenbrenner, John E., Ph.D.

Associate Professor, Anatomy; B.S. Iona College,
M.S. Rutgers University, Ph.D. Baylor University
Bailey, Sharon, D.O.

Assistant Professor, Anesthesiology; B.S. Ottawa
University, D.O. University of Health Sciences
Baldwin, Richard B., D.O.

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

Barker, David J., Ph.D.

Associate Professor, Physiology; B.A. Hofstra
University, M.A. and Ph.D. University of
Illinois

Barrow, William Wesley, Ph.D.

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

Bertagnolli, Byron L., Ph.D.

Instructor, Biochemistry; B.A. Illinois Wesleyan
University, M.S. and Ph.D. Illinois State
University

Bilyea, David L., D.O., F.A.C.O.S.

Associate Professor, Surgery; D.O. Kirkville
College of Osteopathic Medicine
Blais, Francis X., D.O.

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

Blankenship, Ann, Ph.D.

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

Bleicher, Jeff, D.O.

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

Bodenhamer, Randy L.

Instructor, Psychiatry and Human Behavior;
B.S. Lamar University, M.Ed. North Texas State
University

Bourdage, Robert J., Ph.D.

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

Buchanan, Sam W., D.O.

Assistant Professor, Surgery; B.S. Texas Christian
University, D.O. Texas College of Osteopathic
Medicine

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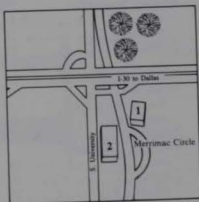
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**TCOM CAMPUS
ACCESS MAP**

- 1 Campus Police
- 2 Downtown Fort Worth
- 3 Medical Education
Building 1
- 4 Medical Education
Building 2
- 5 Medical Education
Building 3
(under construction)
- 6 Medicine Clinic
- 7 Pathology Building
- 8 TCOM
- 9 Surgical Associates



Parking Lot



**TCOM RIVER PLAZA
CAMPUS CENTER**
1 TCOM River Plaza
2 TCOM Annex
Trinity Park



**TEXAS COLLEGE OF
OSTEOPATHIC
MEDICINE**

*Under the direction of the
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**Camp Bowie at Montgomery
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