## **University of New England**

# **College of Osteopathic Medicine**

*2001-2002* CATALOG

Hills Beach Road

#### T 0 0

I do hereby affirm my loyalty to the profession I am about to enter.

I will be mindful always of my great responsibility to preserve the health and the life of my patients, to retain their confidence and respect both as a physician and a friend who will guard their secrets with scrupulous honor and fidelity, to perform faithfully my professional duties, to employ only those recognized methods of treatments 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 may be asked of me.

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

I will look with respect and esteem upon all those who have taught me my art.

To my college I will be loyal and strive always for its best interests and for the interests of the students who will come after me.

I will be ever alert to further the application of basic biologic truths to the healing arts and to develop the principles of Osteopathy which were first enunciated by Andrew Taylor Still.

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

Rules and regulations in this catalog and other relevant university and college documents apply to all students of the College of Osteopathic Medicine. It should be noted that the courses, requirements, policies, and procedures described in this catalog are being continually reviewed by the faculty and administration, and are subject to change without notice.

The College may refuse further registration to any student whom the faculty or staff deems incompetent or unfit to continue in the course of study. Students accepted for admission pledge themselves to observe and abide by the existing regulations and standards of conduct of the College put forth in this catalog.

The University of New England does not discriminate in admission or access to, or treatment of employment in, its programs and activities on the basis of race, ethnicity, national origin, gender, sexual orientation, religion, age, veteran status or disabling condition in violation of Federal or state civil rights laws of Section 504 of the Rehabilitation Act of 1973. Inquiries or concerns may be addressed to Michael Miles, Director of Affirmative Action.

University of New England College of Osteopathic Medicine 2001-2002 Catalog

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### **Information Directory**

Inquiries concerning the University are cordially invited. Prospective students and their parents are welcome to visit the campus and may make arrangements for individual conferences to discuss admissions, programs of study, financial aid, or other matters of interest.

These numbers connect all departments:	(207) 283-0171 (UC - University Campus Switchboard, Biddeford) (207) 797-7261 (WCC - Westbrook College Campus Switchboard, Portland)	
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# **ABOUT THE UNIVERSITY and THE COLLEGE OF OSTEOPATHIC MEDICINE**



## **About the University of New England**

#### The University of New England

The University of New England is an independent, coeducational university on the southern coast of Maine, with degree programs focused on the health and life sciences, osteopathic medicine, human services, education, and management. Founded in 1978 by the combination of the New England College of Osteopathic Medicine with St. Francis College, the University places emphasis on the quality of instruction, respect for the individual, and on the practical application of academic material.

In August of 1996, the University merged with Westbrook College in Portland, Maine, and is now a university of two distinct campuses. The University Campus is distinguished by its beautiful seaside setting in a semi-rural area near Biddeford, Maine, while the Westbrook College Campus is a suburban New England campus distinguished as a national historic site. The University now recognizes Westbrook College's 1831 Charter as the institution's founding date. Blending a long, rich educational history with youthful energy and enthusiasm has further raised the reputation afforded the University of New England as an institution of outstanding undergraduate and graduate degree programs.

#### **Office of Continuing Education**

The Office of Continuing Education arranges courses and services for individuals seeking to meet their educational goals on a part-time basis. University courses and programs are designed and offered in a variety of flexible formats to accommodate students seeking to balance work, family, and other responsibilities.

#### Accreditation, Memberships, and Other Notices

The University of New England is accredited by the New England Association of Schools and Colleges, Inc., which accredits schools and colleges in the six New England states. Accreditation by the Association indicates that the institution has been carefully evaluated and found to meet standards agreed upon by qualified educators. The education program leading to elementary certification is approved by the State of Maine Department of Education. The Physical Therapy educational program is accredited by the American Physical Therapy Association. The Occupational Therapy educational program is accredited by the American Occupational Therapy Association. The Associate Degree Nursing program is accredited by the National League of Nursing. The College of Osteopathic Medicine is accredited by the American Osteopathic Association. The Social Work program is accredited by the Commission on Accreditation on the Council of Social Work Education. The School of Nurse Anesthesia is accredited by the Council on Accreditation of Nurse Anesthesia Educational Programs, a specialized accrediting body recognized by the Council on Post-secondary Accreditation and the U.S. Department of Education.

Most programs offered at the University of New England have been approved for the training of veterans under the auspices of the Veterans Administration, and graduates of the University meet the educational requirements for officer candidacy in all branches of the armed forces.

The University holds, among others, membership in: the New England Association of Schools and Colleges, the Maine Consortium of Health Professionals, the Council of Independent Colleges and Universities, the National Association of College Auxiliary Services, the College Entrance Examination Board, the National Collegiate Athletic Association, the National Association of College Admissions Counselors, the New England Association of College Admissions Counselors, the American Association of Collegiate Registrars and Admissions Officers, the National Association of College and University Business Officers, the American Association of Colleges of Osteopathic Medicine, and the Greater Portland Alliance of Colleges and Universities.

The financial requirements of the University, changing costs and other matters may require an adjustment of charges and expenses listed herein. The University reserves the right to make such adjustments to charges and expenses as may from time to time be necessary in research, and the improvement of health care in osteopathic medical hospitals and related institutions." These

#### **Clinical Affiliations**

Consistent with the college's emphasis on primary care, its clinical training programs include community hospitals and health centers. Such community hospitals are similar to the facilities where many of the college's graduates will eventually practice. While community hospitals form the core of the clinical clerkships, affiliations have been arranged to provide a variety and range of clinical experiences. Students are required to complete core clerkships in the assigned disciplines at sites selected by the college during the third year, and selective and elective training at approved programs during the fourth year. It is frequently necessary for the student to leave the New England area for part or all of the core clerkship training period.

The college has formulated the concept of community based Clerkship Training Centers (CTCs) which it began to phase into the academic schedule in 1997. The CTC is a community-based education site of one or more training institutions within geographic proximity that allow a coordinated delivery of the third-year Core academic training experience. These coordinated sites will provide the patient base, the didactic and experiential opportunities, the supervisory infrastructure and the longitudinal evaluation necessary for the accomplishment of the educational goals of the core clerkships. Core predoctoral clinical clerkship affiliates are listed on page 45.

The UNECOM enjoys an educational affiliation with a number of postgraduate internship and residency programs. Serving as a sponsor for these independent programs, the college provides liaison services to the American Osteopathic Association for the purpose of assuring AOA approval for the training programs. Graduates can apply to these and other postgraduate programs for internship and residency for postdoctoral training. The college believes these affiliations exemplify the breadth and depth that these collaborative arrangements offer our graduates for postgraduate training. Postgraduate affiliates are listed on page 46.

For ambulatory-based programs, the College uses the offices of clinical faculty members throughout New England as well as a number of community health programs. The ambulatory programs train students in office practice and teach students about the collaborative roles and skills of non-physician health care providers. In addition, the College operates University Health Care which has established model primary care facilities. Through rotations at the centers, the College is able to demonstrate the type of medicine it would like its students to practice.

#### **UNECOM** Accreditation

The University of New England College of Osteopathic Medicine is accredited by the Bureau of Professional Education of the American Osteopathic Association, which is the accrediting agency recognized by the U.S. Department of Education for the approval of colleges preparing osteopathic physicians and surgeons.

#### **Some Campus Features**

#### The Harold Alfond Center for Health Sciences

The Harold Alfond Center for Health Sciences provides a significant focus for the University. Located at the center of campus, this three story building houses numerous laboratories and lecture halls, many used by the College of Osteopathic Medicine. This Center brings the University to the national forefront of health and life sciences education.

#### **Stella Maris Hall**

Stella Maris Hall houses faculty research laboratories and classrooms, as well as faculty and administrative offices and conference rooms.

#### Sanford F. Petts University Health Center

The Sanford F. Petts University Health Center is the base clinical facility for University Health Care. At that location clinical faculty and staff provide expanded health and preventive care services to the University's students, faculty, staff, and their dependents, as well as the community at large. It is a focal point for collaboration among the different health care disciplines on campus including: osteopathic medicine, nursing, social work, occupational therapy, physical therapy, and the physician assistant program.

#### **University of New England Libraries**

The Jack S. Ketchum Library on the University Campus and the Josephine S. Abplanalp '45 Library on the Westbrook College Campus provide UNE students, faculty and staff with these services:

- Libraries homepage: http://www.une.edu/library
- Web access databases
- e-books, e-journals, e-newspapers
- Remote access to databases
- Data jacks and wireless access for individual laptops
- Public access computers
- Over 150,000 volumes
- 1300 current journal titles
- Videos, compact discs, CD-ROMs, and audio cassettes
- Reference, research, and literature search assistance
- Individual and course-related library research instruction
- Circulation, interlibrary loan, and reserve
- Photocopiers and microfilm reader/printers
- Group and individual study space

The Libraries support undergraduate and graduate programs in the allied health professions and the liberal arts and sciences. The Jack S. Ketchum Library also supports the curriculum of the College of Osteopathic Medicine. The Josephine S. Abplanalp '45 Library houses the Maine Women Writers Collection, containing literary, cultural and social history sources representing more than 500 Maine women writers.

#### Information Technology Services

UNE's Information Technology Services serves as the University's information technology leader. ITS provides resources for both academic and administrative computing, including technical, instructional, and informational support to students, faculty, and staff.

Information Technology Services (ITS) continuously monitors computer industry developments and the needs of the UNE community in order to create an effective and exciting environment for teaching, learning, and scholarship. The University computer network extends through classrooms, offices, and computer labs on the University Campus in Biddeford and on the Westbrook College Campus as well. At the same time, ITS has implemented and supports an integrated University-wide information system to handle all administrative functions (registration, financial aid, etc.). Each campus has a central computing area dedicated to use by students in all disciplines, seven days a week. On the University Campus, Decary Hall houses a stateof-the-art classroom and labs of Windows based and Macintosh computers; on the Westbrook College Campus, Proctor Hall houses a state-of-the-art classroom and labs of Windows based computers as well as a 24hour lab located in the library. In lab settings, student staff members provide assistance to users of educational, scientific, graphics, business, and Internet software. Laser printing is available in each computer area; there is no per-page charge.

ITS offers RESNet services, Internet services as well as phone service to students in the residence halls. As soon as students arrive on campus they have live telephone and Internet data jacks in their rooms. ITS in conjunction with the computer store work to get students up and running with Internet and email services as soon as possible.

The UNE Computer Store, located in Decary Hall on the University Campus, offers computers and peripherals to students and employees at an educational discount.

UNE is committed to the goal of preparing its students for the computing and communications challenges of the new century. Future plans include augmenting web based information-processing capabilities such as on-line registration, and expansion of multimedia capabilities.

#### **Media Services**

UNE's Media Services department staff members advise and assist UNE faculty, students, and staff in the development and presentation of media projects. The department supports both linear and digital editing systems. The University has video conferencing units on each campus. Department facilities include: live studio production; video, audio, photographic, and slide production; as well as layout and graphics.

## **ADMINISTRATIVE SERVICES and POLICIES**



### **Student Services**

The Dean of Students, in conjunction with the Associate Dean of Students and Student Affairs staff, is responsible for the management and development of the following areas: Student support services (e.g. student orientation, professional development, student personnel records, housing, student government, clubs, special events, and counseling). Matters and concerns which are preferred for routine office visits and non-emergency procedures. Urgent problems are evaluated and treated based on their severity. University Health Care Physicians provide in-hospital care at Southern Maine Medical Center in Biddeford, at Mercy Hospital in Portland, or Maine Medical Center in Portland.

#### **Counseling Center**

The Counseling Center at the University provides a variety of services which address the psychological and emotional health of the graduate and undergraduate student population. The staff consists of professionals trained in counseling and psychology. Individual and group counseling are available to all matriculated fulltime students. In keeping with UNE's focus on health promotion and maintenance, services such as workshops, special issues groups, informational sessions, developmental programming and consultation are designed to address the on-going needs of UNE's population.

The counseling relationship is completely confidential within the legal and professional guidelines of the State of Maine and the American Counseling Association. No information shared with a counselor can be released to anyone without written consent. Homicide, suicide and child abuse are exceptions to confidentiality and will be reported to the appropriate persons.

The Peer Health Education Program is comprised of a volunteer group of students (Peer Health Educators) dedicated to increasing student awareness in personal and interpersonal health-related areas. These students make presentations to their peers and in the community regarding health-related topics. Students have spoken, written and facilitated discussions on topics such as: relationship violence, cultural diversity, eating disorders, safer sex, stress management, accessing services on campus, and substance abuse. Training for Peer Health Educators is offered through the Counseling Center.

The Counseling Center location: University Campus, Decary 109 (ext. 2549). Westbrook College Campus, Proctor Hall 320 (ext. 4233).

#### **Career Services**

The Career Services office is designed to help students with career and life planning. Career advising and assessment are available for those who need assistance with identifying skills and interests, defining career goals, changing careers and developing job search strategies, which includes creating/ revising a curriculum vita. The resource library contains information about careers, doctoral programs, job seeking and potential employers, as well as access to a variety of computerized resources.

The Career Services location: University Campus, Decary 102 (ext. 2817).

#### **Student Activities**

The Student Government Association (SGA) is the official voice of the COM student body. Senate members are elected by a general ballot with the exception of the vice-presidents of each class who serve as ex-officio senate members.

The goals of this SGA are to represent the student body in all matters affecting students, determine appropriation of monies to other student organizations, and communicate and maintain a working relationship with faculty, administration, board of trustees, alumni, and national associations. Currently, the COM SGA supports in excess of twenty-three active students organizations. Some of the club activities which are supported by the SGA include the Sports Medicine Club, the Undergraduate American Academy of Osteopathy, local chapters of the Student Osteopathic Medical Association (SOMA) and the American Medical Student Association (AMSA), Synapse (COM yearbook), and various other clubs and organizations. Sigma Sigma Phi, a national osteopathic honor society, has chartered a chapter as has Psi Sigma Alpha, the national osteopathic academic honor society. In addition, partners are involved with the school by participation in the Student Auxiliary Association (SAA).

All students are invited to participate in the lecture series, movies, concerts, intramurals, and other events sponsored by the University's Cultural Affairs Committee, Athletic Office, and Student Activities Office.

#### Learning Assistance Center

The Learning Assistance Center (LAC) provides a comprehensive array of academic support services, including courses, workshops, group and individual tutoring, and advising. The LAC's goal is to assist students to become more independent and efficient learners so that they are able to meet the university's academic standards and attain their personal educational goals. While many of the LAC's services are oriented towards undergraduates, the following services are used frequently by medical students: individual learning consultations concerning learning styles and course-specific study strategies, test-taking skill development, professional tutoring in writing, and professional tutoring in oral and/or written English for ESL students. By faculty arrangement, the LAC can provide presentations in the classroom concerning learning styles, learning strategies, taking tests, or writing in the discipline.

# Office for Students with Disabilities (OSD)

As part of its mission, the University of New England (UNE) seeks to promote respect for individual differences and to ensure that no person who meets the academic and technical standards requisite for admission to, and continued enrollment at, the University is denied benefits or subjected to discrimination at UNE solely by reason of his or her disability. Toward this end, and in conjunction with federal laws, the University both accepts and provides reasonable accommodations for students with disabilities. Both UNE and the student have responsibilities to ensure equal educational opportunities. While the University stands ready to provide reasonable accommodations, the student must make an effort to avail him or herself of all services and modifications.

The Office for Students with Disabilities (OSD) at UNE exists to provide qualified students with disabilities equivalent access to, and equal opportunity in, the educational environment. A major goal of the OSD is to assist the student to achieve maximum independence. The University will make a good faith effort to provide an effective accommodation to the student with a disability; however, it need not provide the most comprehensive or expensive accommodation requested by the student.

Applicants and students who would like more information about the OSD, including registration information, can read UNE's Student and Faculty Guide to Accommodating Students with Disabilities and are encouraged to contact the OSD.

The OSD location: University Campus, Decary 109 (ext. 2815). Westbrook College Campus, Proctor Hall 318 (ext. 4418).

# **Registration Policies for Students with Disabilities**

Federal laws, the Rehabilitation Act of 1973, the Americans with Disabilities Act of 1990, state law, and the Maine Human Rights Act prohibit postsecondary institutions from discriminating against individuals with a disability. These laws require that postsecondary institutions provide reasonable academic accommodations to p n(stitud, anj/]TJf.ilities to ensur the su.t114.6(, and0.12Nlent ac

4) Satisfactory completion of the New Medical College Admissions Test (MCAT), taken within two (2) years of application.

Students are encouraged to enroll in some additional courses to broaden their science background in subjects such as: calculus, anatomy, physiology, biochemistry, genetics, microbiology, and physical and quantitative or analytical chemistry. However, it is not advisable to elect science courses exclusively; the Admissions Committee believes that undergraduates should receive a broad-based education that includes the humanities and social sciences.

The Admissions Committee also considers a number of other factors when evaluating applicants. Some of these variables are: personality, maturity, breadth of background, work experience, extracurricular activities, and sense of responsibility.

#### Criteria for Determining Eligibility

Students must be accepted for admissions to UNECOM and must have satisfied all admissions cri-

### **Tuition & Fees**

F	all 2001	Spr 2002
Tuition	\$13,845	\$13,845
Microscope Rental (First Year Only)	\$ 125	
General Services Fee	\$ 275	

#### **Deposits and Fees**

First-Year Admission Deposit: This \$500.00 non-refundable deposit is due according to the following schedule and is credited against tuition.

- Those accepted prior to November 15th will have until December 15th to submit their deposit.

#### **Payment Schedule**

Fall tuition and fees are due on August 1, 2001; the Spring tuition is due on January 15, 2002.

#### Late Payment Charge

The balance due each semester will be considered overdue if not paid by the due date, and any unpaid balance will be subject to a late charge of 12% per annum or 1% per month.

#### **Delinquent Accounts**

A 1.00% per month (12.00% per annum) late charge will be assessed on any overdue balance. The Dean may deny the privilege of taking examinations to any student who is delinquent. Promotion and/or graduation may also be denied to any student with an unpaid bill at the end of the academic year.

#### **Refund Policies**

Overpayments - Students may request a refund of a credit balance, or tuition credit, on their account resulting from an overpayment from a withdrawal. Students will be advised of the scheduled refund date when the request for refund is received.

Note: It is customary for medical students to borrow from several sources or to sign agreements with thirdparty payers such as the Armed Forces, state or federal governments to cover their educational costs as well as living expenses. The University realizes that payments are not always received in a timely fashion because of delays at the bank or governmental agencies. In the event that a student's Stafford Student Loan check is received prior to the HEAL loan proceeds or government checks as partial payment for semester charges and the student finds that he/she will not have adequate resources for living expenses, a petition for exception to our refund policy can be submitted. This petition will need to be evaluated by the Office of Financial Aid, and must clearly demonstrate financial hardship. The University will refund up to one month of living expenses, as determined by the Financial Aid Office. in anticipation of student loan and/or government checks.

#### Withdrawal Tuition Refund Policy

A student who intends to withdraw from the University will be required to go through the withdrawal process. He/ she must first see the UNECOM Academic Dean (COM) to obtain the necessary forms. Verbal notice is not sufficient. For purposes of computing refunds, the date of withdrawal recorded by the Dean after receipt of withdrawal forms will be used by the Business Office to compute any refund due the student.

Refunds will not be permitted for withdrawals during summer remedial courses.

Fall Tuition Refund*	
	000/
June 1 to orientation	90%
During the first and	
second week of classes	50%
During the third and	
fourth week of classes	25%
After fourth week of	
classes through Christmas Break	None
	<i>.</i> .

\*First year only - Refund calculated after deducting admission deposit.

#### **Spring Tuition Refund**

During the first four weeks of	
classes after Christmas Break	25%
After fourth week of classes	
after Christmas Break	None
Refunds will not be made in the case of absence	e, sus-

pension or dismissal.

Adjustments to students' financial aid awards will be made according to federal refund policies as well as specific program policies. Students who withdraw during their first semester at the University and received federal financial aid, may be entitled to a refund under the federal rules labeled "pro-rata." Students who receive federal Title IV financial aid may be entitled to a refund under the federal refund policy. The federal refund policy allows students a refund based on the percentage of time they were in attendance up to the 50% point within the semester. Details are available in the Financial Aid Office.

#### Russel C. McCaughan Education Fund Scholarship

The American Osteopathic Foundation awards each college of osteopathic medicine a \$400 scholarship to a second-year student. The Dean of the College of Osteopathic Medicine selects the recipient on the basis of academic performance, extracurricular activities, and promise as an osteopathic physician during the student

#### **Alternative Loans**

There are currently several private lenders who offer osteopathic students funding under alternative loans. These credit-based loans are designed to make up the difference between the student's recognized cost of attendance and the amount of financial aid the student

## Scholastic Regvs8tivon

#### Registration

The University conducts an annual registration for first and second year students during the initial days of the new academic year. During this process, students are expected to finalize payment of tuition and related fees, as delineated in the section, entitled "Tuition & Fees", including filing appropriate documents with the Offices of the Registrar, Financial Aid, Business Affairs, and Student Affairs. In addition, all new, incoming students are required to undergo a complete physical examination, meet UNECOM immunization requirements, and complete the medical questionnaire provided by the University as a prerequisite to enrollment.

#### **Academic Records**

Complete records and related documents are maintained in the Office of the University Registrar, Decary Hall. Under the terms of the Buckley/Pell Amendment to the Family Educational and Privacy Act (FERPA), students have the right to review and inspect all official records, files, and data, including all material that is incorporated into each student's cumulative record folder. However, the Department of Health and Human Services has said that clarifying amendments provide that letters of recommendation submitted on the basis of a pledge of confidentiality prior to January 1, 1975 need not be shown to students, and that a student may be allowed but not required to waive his/her right of access to letters of recommendation received after that date. Under the terms of the Buckley/Pell Amendment, post-secondary institutions must provide students not only access to official records directly related to them, but also an opportunity for a hearing to challenge such records on the grounds that they are inaccurate, misleading, or otherwise inappropriate. It is the right of students to file a complaint with the Department of Health and Human Services concerning an alleged failure by an educational agency or institution to comply with section 438 of the Act that guarantees such rights.

University students wishing to review their records may do so by providing a written request to the Office of the University Registrar at least 48 hours in advance of the desired appointment.

#### **Student Conduct Records**

Student Conduct Records and related files are maintained by the Dean of Students in the Student Affairs offices on each campus. Student conduct records/files are maintained under the Family Educational Rights and Privacy Act (FERPA).

 All student conduct and related files are maintained by the Office of the Dean of Students for a period of no less than four years after separation from the University. Recordsdent mf thtroy One exception which permits disclosure without consent is disclosure to school officials with legitimate educational interests. A school official is a person employed by the University in an administrative, supervisory, academic or research, or support staff position (including law enforcement unit personnel and health staff); a person or company with whom the University has contracted (such as attorney, auditor, or collection agent); a person serving on the Board of Trustees; or a student serving on an official committee, or assisting another school official in performing his or her task; or the Veterans Administration for students registered for various GI Bill programs. A school official has a legitimate educational interest if the official needs to review an education record in order to fulfill his or her professional responsibility.

(4) The right to file a complaint with the U.S. Department of Education concerning alleged failure(s) by The University of New England to comply with the requirements of FERPA. The name and address of the Office that administers FERPA is:

> Family Policy Compliance Office U.S. Department of Education 600 Independence Avenue, SW Washington, DC 20202-4605

#### **Directory Information and Disclosure**

The University normally will not supply non-related organizations with personally identifiable student information, including "directory information." One exception to this policy is the result of a federal law known as the "Solomon Amendment" which requires the University to release directory information to military recruiters upon request. For this purpose, directory information is defined as: name, address, telephone listing, date and place of birth, level of education, academic major, degrees received, and educational institution in which a student most recently was enrolled. Information not required or permitted by the Solomon Amendment and not considered directory information under FERPA will not be released without written permission of the student.

Active students who wish to have directory information withheld from release must do so in writing on a "per-academic-year"saiy/Tinstateff Tjeconally Doll Tconalydo 1 TfrmaOfficial transcripts are normally issued directly to other educational institutions or prospective employers designated by the student. Official transcripts issued to the student for purposes of transport to another party can be provided in a sealed envelope but will be considered unofficial if opened by the student. Unsealed transcripts issued directly to students are considered unofficial and are stamped "Issued to Student."

#### Attendance

The University expects the student to attend all scheduled lectures, laboratories and clinical assignments unless appropriate permission has been secured prior to the absence. Any student missing a class is NOT exempted from completing the assignment covered during the absence. For further information, student should consult the "excused absence policy" as found in the Student Handbook.

#### Grading

Upon completion of a unit of study, the faculty member in charge of that unit submits the number of hours taught and a grade for each student to the Academic Dean. Grades are based on a High Pass/Pass/Fail grade system.

If a student is required to repeat a unit of study, the name of the unit of study and the new grade shall be entered a second time on the transcript. The original recording of the unit of study will not be removed from the transcript. All units of study shall be listed chronologically by trimester, summer, and/or academic year during which they are completed.

#### Academic Standing

The Student Affairs Committee is responsible for evaluating performance and making recommendations to the Academic Dean on student disciplinary and academic matters, performance, and on action(s) to be taken. Yearly, the Committee makes recommendations to the Academic Dean on the promotion of students to the next class. At any time the Committee deems necessary, it may inform the appropriate faculty and administrative personnel of students experiencing academic difficulties so that corrective or remedial action may be taken. Also, each year the Committee recommends to the faculty, through the Academic Dean, the awarding of the Degree of Doctor of Osteopathic Medicine to those students who have satisfied the requirements.

The status of a student may be reviewed by the Student Affairs Committee when the student's performance is found to be unsatisfactory in the accumulation of knowledge and/or personal growth. For example, the student may be reviewed for any of the following reasons:

- 1. unexcused absence(s) from class, laboratory, or clinical experience;
- 2. failure to obtain a satisfactory grade in every unit of study such as a course, preceptorship, or clerkship;
- 3. failure to abide by the Standards for Professional Behavior and Conduct (p. 26) or to exhibit the behavior, ethics, or professional manner deemed necessary for the continued study and later practice of osteopathic medicine in the judgment of the Student Affairs Committee;
- 4. personal or medical reasons; in assessing personal growth, such factors as morals, emotional stability, integrity, general conduct, reliability, judgment, and rapport with patients is considered.

After discussion, the Student Affairs Committee may decide by majority vote to make one of the following recommendations to the Academic Dean:

- 1. No significant deficiency exists, and the student is promoted, with such oral or written caution to the student as may be recommended.
- 2. A significant deficiency exists and one or several of the following actions is to be taken according to severity of the deficiency, the student's overall achievement and circumstances surrounding the deficiency (illness, family emergency, etc.):
  - a. student is to take remedial examination(s) after an appropriate interval recommended by the department chairpersons or system coordinator most involved and approved by a majority vote of the Student Affairs Committee;
  - student is to undertake special projects or studies required in the deficient area(s);
  - c. student is placed on academic or disciplinary probation for a stated period of time;
  - student is required to repeat the course(s), preceptorship(s), or clerkship(s) in which there is a deficiency;
  - e. student is required to repeat the academic year;
  - f. student is suspended from the College;
  - g. student is dismissed from the College.

#### Withdrawal/Dismissal

A student who is dismissed from the College may appeal this decision to the Academic Dean. The Dean will convene a five-member Appeals Committee for a review of the decision and recommendation. If the appeal body upholds the dismissal decision, the student is dismissed from the College. If the Appeals Committee and Student Affairs Committee do not agree on dismissal, the Academic Dean will make a final determination.

Placement of a student on academic probation or disciplinary probation indicates the faculty's extreme dissatisfaction with the student's academic or behavioral performance. While on probation, the student will not represent the college at outside events and will be asked to curtail elected office responsibilities until their academic performance improves. In addition, a student on academic probation must pass all units of study; a student on disciplinary probation must discontinue the behavior leading to probation and maintain a record of exemplary behavior. Students who violate the conditions of probation as listed above will be reviewed again by the Student Affairs Committee, which will make such recommendations to the Academic Dean as it sees fit.

An application for voluntary withdrawal from the College must be submitted in writing to the Academic Dean. The Academic Dean may grant a leave of absence due to financial difficulties or for personal, medical, or family problems.

#### National Board of Osteopathic Medical Examiners

The Comprehensive Medical Licensing Examinations (COMLEX) are administered by the National Board of Osteopathic Medical Examiners (NBOME) and are divided into three levels. Levels I and II are given during the college years and Level III is given to qualified graduates during their internship year. Students must pass COMLEX Level I in order to continue into the third-year clinical rotations. Prior to graduation, students must take the Level II examination.

*Note:* Applications must be in the Office of the National Board of Medical Examiners one (1) month before the date scheduled for the exams. The College will not be responsible for late applications.

#### Laptop Computer Requirement

The College has instituted a mandatory laptop computer requirement. Specifics regarding the minimum configuration will be available on a yearly basis.

#### Graduation

The Board of Trustees of the University of New England confers the degree Doctor of Osteopathic Medicine (D.O.) upon those students who have satisfactorily completed the requirements for graduation and who have been recommended for graduation by the faculty of the College.

Every candidate for the degree of Doctor of Osteopathic Medicine must:

- 1. Be of good moral character.
- 2. Be at least twenty-one years of age.
- 3. Have fulfilled the requirements of study for the degree as determined by the Faculty.
- 4. Have met the academic requirements of the College for the awarding of the degree and have been in residence at this College for at least two years.
- 5. Be free of indebtedness to this College, the University, and their affiliates.
- 6. Have demonstrated the ethical, personal, and professional qualities deemed necessary for the successful and continuing study and practice of osteopathic medicine.
- 7. Have been recommended by the faculty for graduation.
- 8. Be present at the commencement ceremony of his/her class at the time the degree is conferred.

## **CURRICULUM and CLINICAL CLERKSHIPS**



<b>UNECOM Curriculum</b>			
Fall	Winter	Spring	
Year I			
Gross Anatomy Histology Human Function Immunology Embryology	Human Function Virology Nutrition Parasitology Bacteriology Prin. of Population Health	Human Function Pathology Pharmacology Medical Jurisprudence Dermatology System	
Foundations in Doctoring; Osteopathic Principles & Practice I Year II			

Neuroanatomy Nervous System Psychiatry System Musculoskeltal System Respiratory System Hematology System Cardiovascular System Gastrointestinal System Renal System Reproductive System Endocrine System Comlex Level I Exam Emergency Medicine Clinical Decision Making

Foundations in Doctoring; Osteopathic Principles & Practice II; Pharmacology and Therapeutics

#### The Curriculum

#### **Curriculum Objectives**

The curriculum is designed to produce osteopathic primary care physicians who are skilled in health promotion and illness prevention as well as the delivery of illness care.

In order to educate this type of physician, the basic and clinical science foundations of the curriculum are augmented by a strong program in human behavior and community medicine in the Foundations of Doctoring and Experiences in Doctoring courses. Hospital clerkships continue to emphasize these same concepts in the setting of inpatient care with its attendant special needs and requirements.

#### **Curriculum Outline**

The curriculum of the Medical College is under the direct supervision of the Dean via the Academic Affairs Committee and the Faculty Assembly. The curriculum is divided into two sections: The On-campus Basic and Clinical Sciences Curriculum and the Clerkship Training Curriculum.

#### **On-campus Basic and Clinical Sciences Curriculum**

The first year of the medical curriculum contains a variety of basic science courses and the beginning of the organ systems courses with Dermatology. The first year courses include: Anatomy, Biochemistry, Nutrition, Physiology, Pathology, Parasitology, Virology, Immunology, Bacteriology, Pharmacology, Principles of Population Health, Medical Jurisprudence, Embryology, His-

#### #523 Medical Immunology

#### 1 Hr.

This course focuses on the adaptive immune response and the interactions of cells, tissues, and molecules of the immune system. The course presents how the immune system recognizes and discriminates between self and non-self and how the body eliminates pathogens from the body. Allergy and autoimmune mechanisms are presented to show roles where the immune system causes disease.

#### #524 Medical Virology

1 Hr.

The Medical Virology course presents a survey of the

#568 Medical Jurisprudence

1 Hr.

# **Course Descriptions - Second Year**

## #601 Nervous System

#### 6 Hrs.

The Nervous System is a six-week, integrated, multidisciplinary course on the normal and abnormal structure and function of the human nervous system. The course is divided into two broad areas; peripheral/ sensory followed by central neurological mechanisms. A majority of the system is delivered in a lecture format. The system ends with hands-on review of the neurological exam and the opthalmologic exam. The goal of the course is to provide the student with a solid foundation of knowledge and skills concerning the nervous system as a background to other organ systems courses to follow, and as background for the clinical clerkships.

#### #603 Medical Neuroanatomy

2 Hrs.

This course parallels the beginning weeks of the Nervous System. It is a laboratory course which provides a structural and functional background for interpreting neurological signs and symptoms. The topics are approached using a case study format. Gross brains, glass slide preparations and CNS images are used as study material.

#### #605 Psychiatry System

2 Hrs.

The Psychiatry System is a two-week, interdisciplinary course that introduces second-year medical students to disorders of higher central nervous system function that affect motivation, mood, consciousness and cognition. The focus is on such mental disorders as depression, anxiety, somatization, personality disorders and sleep disorders.

## #611 Musculoskeletal System

4 Hrs.

The Musculoskeletal System is a four-week, integrated, multidisciplinary course on the normal and abnormal function of the human musculoskeletal system. The system presents normal and abnormal function, as well as diagnosis and therapy. Within the system, normal function precedes clinical disciplines. Specifically, the disciplines included in the musculoskeletal system are: the biochemistry of muscle, connective tissue and bone, and pharmacological treatments for gout, inflammation and arthritides. The manifestations and diagnosis of musculoskeletal disorders are covered in pathology and internal medicine. Topics in orthopedics and otorhinolaryngology are covered. Case presentations using actual patients are used throughout the system in rheumatology. Diagnosis and therapy of sports injuries are covered in family medicine. Finally, there is a discussion of the biological basis of osteopathic manipulative medicine. The goal of the musculoskeletal system is to provide the students with a solid foundation of knowledge as a background to other organ system courses to follow, as well as a background for the clinical clerkships in general practice, medicine, surgery and relevant electives.

#### #623 Respiratory System

The Respiratory System begins with a review of the anatomy, biochemistry and physiology of the lungs and respiratory passageways. Subsequent topics include radiology, pathology, pharmacology, surgery and the management of respiratory disorders by the general practitioner using various treatment regimens in conjunction with Osteopathic techniques. Anesthesiology

#### #633 Hematology System

and inhalation therapy are also included.

3 Hrs.

3 Hrs.

This system is designed to teach the students the principles of normal and abnormal differentiation and maturation of red blood cells, white blood cells (including lymphocytes) and platelets and how these principles apply to the diagnosis and treatment of diseases resulting from these abnormalities.

#### #642 Cardiovascular System

5 Hrs.

The Cardiovascular System provides an overall approach to cardiovascular medicine. Basic science and clinical presentations are interwoven throughout the first por-

# Clinical Clerkship Program Descriptions

The UNECOM student rotates through the clinical clerkships during the final phase of his/her predoctoral education. The clinical clerkship experience has a broad and specific goal to provide a module of osteopathic medical education preparing the student to enter a general rotating internship. Students are trained to effectively render service and to benefit from the clinical experience available in the internship setting. The clerkship is designed to fulfill a necessary step in the evolution of the UNECOM student to competency for general practice as a primary care physician. Cognitive, manual and psychomotor objectives are directed toward developing physician skills and attitudes of the student in preparation for internship. Also during this time, the student is expected to complete the transition to adult learner, asking questions and independently seeking and synthesizing information.

A part of this goal is the expectation that the future physician will consistently adhere to the osteopathic philosophy and concept in the practical management of persons for maintenance of health and for the treatment of disease, acute and chronic. Further, the student will develop the ethical character expected of future physicians as a caring person skilled in problem solving, therapeutic management and interpersonal relations and with a social sense of fiscal accountability and responsibility toward health management.

During those months, clinical services are arranged to meet core and elective requirements of the clinical practicum. Utilizing the clerkship training centers, affiliate hospitals, ambulatory care sites, and other clinical settings, students gain exposure to a scope and variety of clinical experiences appropriate to the preparation of the general practitioner. Students travel to a number of sites along the Eastern seaboard and to the Midwest, experiencing health care delivery from the rural private practitioner to the inner city, tertiary care facility. Students may be required to travel or relocate to affiliate regions to complete this segment of training.

Core rotations, as determined by the Academic Affairs Committee, are assigned by the Office of Clinical Affairs from a list of affiliate sites. The core rotations include Internal Medicine, Surgery, Obstetrics/Gynecology, Pediatrics, Family Practice and Psychiatry. Required Selective rotations include Internal Medicine, Surgery, Emergency Medicine, Osteopathic Manipulative Medicine, and Rural Health Care (AHEC). With a possible exception of OMM, the student selects the sites, subject to Clinical Affairs Office approval, at which these clerkships will be done. Elective months are scheduled by the student with the approval of the Office of Clinical Affairs.

Documentation of immunization and/or a criminal background check may be required by specific affiliates or elective sites.

To graduate, the student must successfully complete all required core, selective and elective clerkship assignments as specified in the clerkship manual and syllabi. Integral to this success is the maintenance of the highest levels of academic and professional behavior standards.

# **Family Practice**

The Core Family Practice clerkship is a hospital and/ or ambulatory care experience where the student will apply basic concepts and skills presented during the preclinical years. By basing the experience in a community setting, the student is exposed to clinical resources united in a continuum of care, thus developing within the student an awareness of the physician's role in the total health care team. Emphasis is on the patient's reaction to illness, the physician to patient relationship, family dynamics in illness and health, and the careful and economical use of medical therapeutics, technology consultations, clinical laboratory investigation and hospitalization. Special attention is given to the patient interview, directed physical examination and patient education in the therapeutic use of the physician. In addition to training in the hospital setting, the student is likely to spend time in various clinics and the offices of individual physicians. Students may schedule additional family practice experiences during their elective months with the approval of the Office of Clinical Affairs.

# **Internal Medicine**

Internal Medicine clerkships are conducted as predominantly hospital-based experiences. The Core clerkships are completed at a clerkship training center or other affiliate site. An additional medicine service is selected by the student in a field of interest. The clerkships are intended to provide practical clinical exposure and learning designed for the application of con-

the community, physician and patient. Involvement in patient diagnosis protocols, health screening, preventive medicine and patient education are utilized.

Successful completion of one service is required for graduation. Assignment is conducted by the AHEC Office, in coordination with the Office of Clinical Affairs.

# **Emergency Medicine**

An Emergency Medicine clerkship is a required selective hospital experience where the UNECOM student will apply the concepts of diagnosis and management of patient problems presented during the preclinical years. Students are expected to be ACLS (American Cardiac Life Support) certified prior to this service. ACLS is offered during the second-year curriculum. The practical experience of recognition, differential diagnosis and therapeutic management of the patient with surgical, medical or psychiatric problems requiring urgent care is emphasized in this requirement. The student will apply psychomotor skills in musculoskeletal injuries, vascular access, wound management and cardiovascular resuscitation while demonstrating concepts of patient evaluation and management.

Students may schedule additional emergency medicine services during their elective time with the approval of the Office of Clinical Affairs.

# **Osteopathic Manipulative Medicine**

An OMM Selective clerkship is under development for the class of 2003.

# Electives

Students are afforded elective time during their clerkship training. With the approval and counseling of the Office of Clinical Affairs, students may pursue areas of special interest to complement the required core and selective services. Students are encouraged to explore a wide range of options with an emphasis on the broad preparation of the general practice physician. Students are urged to pursue a course which will not narrow their career path but provide for a wider appreciation of the diversity of medicine. Specific specialty tracking during clerkships is not in keeping with the mission of UNECOM. This general preparation will provide a firm foundation for entry to internship and residency level training.

# **Objective Structured Clinical Evaluation (OSCE)**

This program uses trained actors/evaluators as surrogate patients to test students' assessment skills and to provide feedback for students' future benefit. Each student sees several "patients" in established scenarios. Specific tasks are assigned for each scenario and may include interview, patient communication, physical assessment, ethical issue, interpretation of lab results, EKG or X-ray or any combination. Upon concluding the task, the student completes whatever paperwork is appropriate, e.g., listing of differential diagnosis, providing answers to multiple choice questions or writing a progress note. Student is evaluated by surrogate patients on the basis of a Master Interview Rating Scale, a copy of which is provided to the student prior to participation in the OSCE.

# **Affiliate Hospitals**

The following are major affiliate hospitals of the College. They play a significant role in the clinical experience of our students. We appreciate the dedication of those physicians who provide their time and expertise for the education of those osteopathic physicians who follow them. In addition, they are staffed by dedicated physicians who provide their time and expertise to educate a new generation of osteopathic physicians.

# **Core Predoctoral Educational Affiliates**

UNECOM/Lehigh Area Clinical Training Center St. Luke's Hospital -Allentown & Bethlehem Campuses Allentown & Bethlehem, Pennsylvania Warren Hospital Phillipsburg, New Jersey

UNECOM/Newark Clinical Training Center St. Michael's Medical Center Newark, New Jersey JFK Memorial Hospital Edison, New Jersey St. Joseph's Hospital & Medical Center Paterson, New Jersey

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Adjunct Lecturer Clinical Lecturer Adjunct Lecturer Clinical Instructor. **Clinical Lecturer Clinical Lecturer Clinical Assistant Professor** Clinical Lecturer Clinical Assistant Professor **Clinical Instructor Clinical Instructor Clinical Instructor Clinical Instructor** Instructor **Clinical Instructor Clinical Instructor Clinical Professor** 

# **Internal Medicine**

Department Chair John Thompson, D.O. Faculty Seth Adjovu, M.D. Michael Appiagyei, M.D. Paul Cass, D.O. Arthur Dingley, D.O. Kurt Ebrahim, D.O. Clinical Instructor Associate ProfessorSFrank Gree, D.O.

Associate Professor

Clinical Instructor Clinical Instructor Clinical Associate Professor Clinical Instructor Clinical Instructor Laura Griffin, D.O. Edna Lay, D.O.

Instructor

# University Health Care

Frank T. Green, D.O. Paul N. Loiselle, M.B.A. Heidi Russell

## **BodyWISE Center for Health & Fitness**

Marilyn Gugliucci, Ph.D. John Thompson, D.O. Paul Meadows, M.D. Patrick Tangney, M.D. Owen Pickus, D.O. Mimi Magee Mills, M.A.

#### **Family Practice**

Lisa Arsenault, F.N.P. Bruce Bates, D.O. Kim Boothby-Ballantyne, N.P. Audrey Okun-Langlais, D.O. Stephen C. Shannon, D.O., M.P.H. Richard Stockwell, D.O. Craig Wallingford, D.O.

#### Gastroenterology

Steve Gefvert, D.O. John Thompson, D.O.

#### **Internal Medicine**

Frank Green, D.O.

## **Osteopathic Manipulative Medicine**

Boyd Buser, D.O. Charles Carr, D.O. Jane Carreiro, D.O. George Pasquarello, D.O. Ralph Thieme, D.O.

#### **Pediatrics**

Lisa Gouldsbrough, D.O.

#### **Physical Therapy**

Karen Bragdon, P.T. David Brown, P.T. Barry Butler, P.T. Dennis Leighton, P.T., A.T.C. Kirsten Potter, P.T. Mike Sheldon, P.T. **UNECOM/Mercy Hospital Interns** 

Christine Blake, D.O. William Foley, D.O. Christopher Frothingham, D.O. Leslie Gass, D.O. Charles Landry, D.O. Christina Steele, D.O. Medical Director Executive Director Associate Director

Director Medical Director HeartWISE Cardiac Rehab Medical Director Pulmonary Rehab Medical Director HIV/AIDS (Wellness and You) Rehab Director Clinical Exercise Physiologist

Interim Chair

# **Counseling Program**

Lauren Como, L.M.S.W. Robert Cummings, Ph.D. This page left intentionally blank....

Summer 2001											
Session I	CE Summer I	MSEd/ CAGS	Org Leadership	Israel Campus	A.D.N.	МРТ	МОТ	MSNA	MSPA	MSW	1st Year 2nd Year
Classes Begin	May 14	Jun 1		Jun 11	May 14	May 21	May 14	May 7	Yr 1-Jun 11 Yr 2-May 29	Yr 1-May 7; Adv Stand Jul 23	
Memorial Day Holiday - No Classes	May 28	N⁄A		May 28	May 28	May 28	May 28	May 28	May 28	May 28	
Classes End	June 29	Aug 31		Jul 18	May 18	Jun 22	Jun 1	Yr 2-Aug 30; Yr 3-Sep 28	Aug 24	Yr 1-Jun 26; Adv Stand Aug 29	
Session II	<b>CESummer II</b>										
Classes Begin	Jul 2	See Above			See Above	Jul 2	-	See Above	See Above	See Above	
4th of July Holiday - No Classes	Jul 4	N/A			Jul 4	Jul 4	-	Jul 4	Jul 4	Jul 4	
On-campus Seminars	N⁄A	Jul 8 - Aug 10			N⁄A	N/A	-	N⁄A	N⁄A	N⁄A	
Classes End	Aug 17	See Above			See Above	Aug 28	-	See Above	See Above	See Above	
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