

STUDENT HANDBOOK

2013/2014

The Office of Student Affairs
University of Massachusetts Medical School
School of Medicine



V.2 01.27.14

Commitment to Nondiscrimination and Affirmative Action

The University of Massachusetts Medical School (UMMS) is committed to an environment that is civil, respectful, fair, accessible, safe, nurturing and free of all forms of harassment and discrimination. UMMS does not discriminate on the basis of race, color, creed, religion, gender, age, sexual orientation, gender identity and expression, genetic information, national origin, covered veteran status, disability, ancestry or any other characteristic protected by law in employment, admissions, participation in its programs, services and activities, and selection of vendors who provide services or products to UMMS. Further, UMMS is firmly committed to ensuring that all who work, study, visit or seek treatment here may do so in an environment free of harassment and/or discrimination. Therefore, UMMS has policies and procedures that support the right of all individuals to be treated accordingly. All members of the community have responsibility for complying with UMMS policies and procedures relative to affirmative action, inclusion and equal opportunity. UMMS policies and procedures comply with all federal and state guidelines.

The Diversity and Equal Opportunity Office (DEOO) is designated as having primary responsibility for receiving and investigating complaints related to uncivil behavior, harassment and discrimination. It is the goal of UMMS to resolve complaints in the most informal manner possible. However, it is always an employee's or student's right to request a formal process. It is also the right of UMMS, through the DEOO, to determine that a matter requires a formal proceeding. If an individual believes that he/she has been treated outside the boundaries of appropriate professional behavior based on any areas protected by law, they should contact the DEOO at 508-856-2179.

The DEOO coordinates diversity programming and provides oversight of UMMS's Affirmative Action/EEO and ADA policies, and for monitoring practices, procedures and programs designed to reach this goal. In addition, the DEOO works with all departments and services of the University to reasonably accommodate persons with disabilities.

For further information about these regulations and our grievance procedures for the resolution of harassment and/or discrimination complaints,

contact the DEOO at:
55 Lake Avenue North
Worcester, MA. 01655
Office Phone: 508 856-2179
Fax: 508 856-1810
(Rev. June, 2013)

This handbook contains current policies and regulations of the School of Medicine at UMass Medical School. The School reserves the right to change these policies; in such case the changed policy will be applicable at the nearest appropriate time. While every effort has been made to ensure the accuracy of the information in this handbook, the School also reserves the right to make changes in response to unforeseen or uncontrollable circumstances.

Students should be aware that they will be held to the requirements of the grade level that they are in and to the requirements of the graduation year that they are in. Students should regularly check the student handbook to remain abreast of any changes.

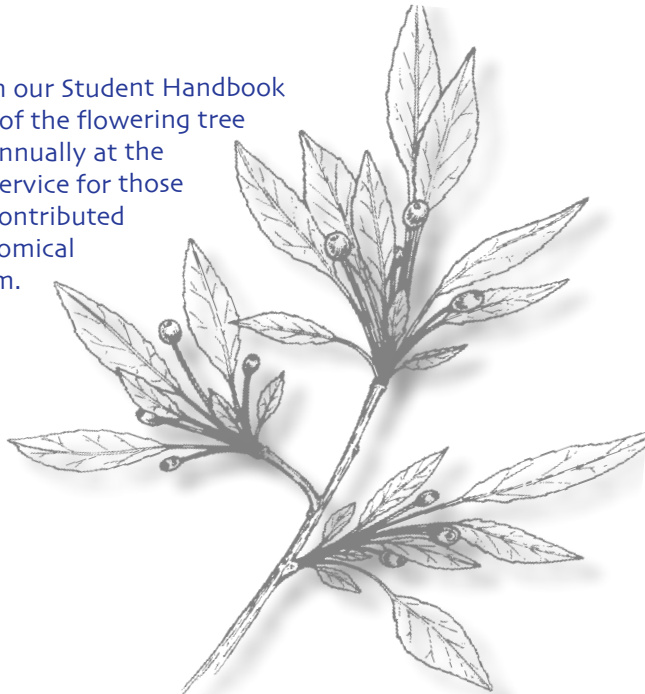
2013/14 UMass Medical School Student Handbook

First posted date: 12/10/13.

Revisions approved after this date will be noted in **RED**.

This handbook can also be found on the Student Affairs website:
<http://www.umassmed.edu/studentaffairs/index.aspx>

The spray in our Student Handbook is symbolic of the flowering tree dedicated annually at the Memorial Service for those who have contributed to our anatomical gift program.



WHOM DO I CALL WHEN I....

HAVE A CONCERN ABOUT MY SAFETY?

- Emergency: University Campus: 911/ Memorial Campus: 12345
- Non-emergency: University: 508-856-3296/Memorial: 508-334-8568
- Interim Associate Dean for Student Affairs Dr. Michael Kneeland at ext. 6-2285 or michael.kneeland@umassmed.edu or his administrative assistant, Katherine Alvarez at 6-2285 or Katherine.Alvarez@umassmed.edu
- Associate Vice Chancellor for Diversity & Equal Opportunity Deborah Plummer, PhD at 6-2179 or Deborah.Plummer@umassmed.edu

NEED TO CHANGE THE DATE OF A REQUIRED ACTIVITY OR EXAM (e.g. sick, family emergency)?

- The course or clerkship coordinators (see list in Section One)
- The Interim Associate Dean for Student Affairs, Dr. Kneeland or his administrative assistant, Katherine Alvarez at ext. 6-2285

HAVE A CONCERN ABOUT MY GRADES/ NEED ACADEMIC ASSISTANCE?

- The course leader/coordinator (see list in Section One)
- Scott Wellman, MD, interim assistant dean, Center for Academic Achievement at 774-442-3736 or scott.wellman@umassmed.edu
- Student Counseling Service at ext. 6-3220 or SCS@umassmed.edu
- Your mentor or the Assistant Dean of Advising, Dr. Michael Ennis at Michael.Ennis@umassmemorial.org or his administrative assistant, Debra Leger at ext. 6-2304 or Debra.Leger@umassmed.edu

HAVE A CONCERN ABOUT MEDICAL INSURANCE OR A HEALTH QUESTION NOT ANSWERED BY MY PCP?

- Student Health Services at 6-8464 (Emergency 6-2818) or studenthealth@umassmemorial.org or the director of Student Health Dr. Phil Fournier at Phillip.Fournier@umassmemorial.org or the administrative assistant, Lori Davis at Lori.Davis@umassmed.edu

HAVE A CONCERN ABOUT MYSELF OR A PEER WITH REGARD TO STRESS OR SUBSTANCE ABUSE?

- The Student Counseling Service
- Your faculty mentor or the assistant dean of advising, Dr. Michael Ennis or his administrative assistant, Debra Leger
- Chair of the AIMS committee (substance abuse issues), Dr. James Broadhurst at Broadhuj@umhmc.org

HAVE A CONCERN ABOUT A PROFESSOR OR COURSE?

- Anyone on the faculty
- Course or clerkship coordinators
- Your class representatives to the curriculum committees
- Chair of the FOM1 Curriculum Committee, Dr. Susan Gagliardi at ext. 6-2454 or Susan.Gagliardi@umassmed.edu or Chair of the FOM2 Curriculum Committee, Dr. Thomas Smith at ext. 6-2331 or Thomas.Smith@umassmemorial.org
- Interim Associate Dean for Student Affairs, Dr. Michael Kneeland or his Administrative Assistant, Katherine Alvarez
- Senior Associate Dean for Educational Affairs, Dr. Michele Pugnaire at ext. 6-4250 or Michele.Pugnaire@umassmed.edu
- Associate Dean for the Office of Undergraduate Medical Education, Dr. Melissa Fischer at 6-4265 or her Administrative Assistant, Susan Collette (Susan.Collette@umassmed.edu)
- Associate Vice Chancellor for Diversity and Equal Opportunity Deborah Plummer, PhD
- Your Faculty Mentor or Dr. Michael Ennis or his administrative assistant, Debra Leger
- Your second-year student buddy
- The Center for Academic Achievement
- The Student Counseling Service
- The director of the Medical School Ethics Core, Dr. Brian P. O'Sullivan (Brian.O'Sullivan@umassmemorial.org) or the program coordinator, Anne Winslow (Anne.Winslow@umassmed.edu)

HAVE A CONCERN ABOUT WHAT I SEE AS AN ETHICAL ISSUE?

- The Director of the Medical School Ethics Core, Dr. Brian P. O'Sullivan or the program coordinator, Anne Winslow.
- The Associate Vice Chancellor for Diversity and Equal Opportunity Deborah Plummer, PhD.

HAVE A CONCERN BUT CAN'T QUITE PUT MY FINGER ON WHAT IT'S ABOUT?

- Your faculty mentor, Dr. Michael Ennis or his Administrative Assistant, Debra Leger.
- Dr. Michael Kneeland, interim associate dean for student affairs, or his administrative assistant, Katherine Alvarez.

WHOM DO I CALL: CONTACT INFORMATION

rev. 12/10/13

NAME	Number	E-mail address
POLICE/PUBLIC SAFETY EMERGENCY	University: 911 Memorial 12345	http://www.umassmed.edu/publicsafety/index.aspx
Non -emergency	University: 508-856-3296 Memorial: 508-334-8568	
Jay Broadhurst, MD		Broadhuj@umhmc.org
Michael Ennis, MD, Asst. Dean, Advising Debra Leger, Administrative Asst.	6-2304	Michael.Ennis@umassmemorial.org Debra.Leger@umassmed.edu
Melissa Fischer, MD, Assoc. Dean for Undergraduate Medical Education Susan Collette, Admin. Asst.	6-4265	Melissa.Fischer@umassmed.edu Susan.Collette@umassmed.edu
Phil Fournier, MD, Director, Student Health Lori Davis, Administrative Asst.	508-334-8464	Phillip.Fournier@umassmemorial.org Lori.Davis@umassmemorial.org
Susan Gagliardi, PhD, Professor, Chair FOM1 Curriculum Comm.	6-2454	Susan.Gagliardi@umassmed.edu
Brian O'Sullivan, MD, Director, Medical School Ethics Core Anne Winslow, Program Coordinator	6-5291 6-6397	Brian.O'Sullivan@umassmemorial.org Anne.Winslow.umassmed.edu
Deborah Plummer, PhD, Assoc. Vice Chancellor for Diversity & Equal Opportunity	6-2179	Deborah.Plummer@umassmed.edu
Michele Pugnaire, MD, Sr. Associate Dean for Educational Affairs Judy Olinder, Executive Adm. Asst.	6-4250	Michele.Pugnaire@umassmed.edu Judith.Olinder@umassmed.edu
Michael Kneeland, MD, Interim Associate Dean, Student Affairs Katherine Alvarez, Admin. Asst.	6-2285	Michael.Kneeland@umassmed.edu Katherine.Alvaraz@umassmed.edu
Thomas Smith, MD, Professor, Chair, FOM2 Curriculum Comm.	6-2331	Thomas.Smith@umassmemorial.org
Student Counseling Emergency/Off hours (page Dr.Rizzi4261)	6-3220 508-856-3562	SCS@umassmed.edu
Student Health Day 8:00 am-4:30pm Emergency/ Life Threatening After Hours	508-334-8464 911 508-334-2818	studenthealth@umassmemorial.org
Scott Wellman, MD, Interim Assistant Dean, Center for Academic Achievement	774-442-3736	Scott.Wellman@umassmed.edu

DEPARTMENTAL TELEPHONE DIRECTORY

Department		Number
Blood/Bodily Fluid Exposures *	Internal External	77- BUGS (2847) 508-334-1000 page BUGS (2847)
Bursar's Office		508-856-2248
Campus Store		508-856-3213
Center for Academic Achievement		508-856-5492
Medical School Ethics Core		508-856-5291
Financial Aid Office		508-856-2265
Library (Lamar Soutter)		508-856-6099
Mail Room (Student Mail)		508-856-2361
Office of Educational Affairs (OEA)		508-856-4250
Office of Undergraduate Medical Education (OUME)		508-856-4265
Paging (University & Memorial)	Internal External	77- (beeper#) 508-334-1000 or 508-856-0011
Police, UMass - Emergency	University Memorial	911 12345
Police, UMass - Non-Emergency (ie; Lockout/Escort Service)	University Memorial	508-856-3296 508-334-8568
Registrar's Office		508-856-2267
School Services (Office of)		508-856-2444
Student Affairs (Office of)		508-856-2285
Student Counseling Emergency/Off hours (page Dr. Rizzi @ 4261)		508-856-3220 508-856-3562
Student Health	8:00 a.m. - 4:30 p.m. After hours Life-threatening Emergency	508-334-8464 508-334-2818 911
UMass Memorial Switchboard/Clinical		508-334-1000
UMass Memorial Switchboard/School		508-856-8989
Weather Watch (school delays/cancellations)		508-856-1100

*See Blood Borne Pathogens Policy for additional details.

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 Worcester, MA 01655-0002 USA
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 Michael.Collins@umassmed.edu

Michael F. Collins, M.D., F.A.C.P.
 Senior Vice President for the Health Sciences
 University of Massachusetts
 Office of the Chancellor

Chancellor
 Professor of Quantitative Health Sciences
 and Medicine
 University of Massachusetts Medical School

August 2013

The history of every great institution is filled with significant moments. For UMass Medical School, our moment is now.

Our state's only public medical school is flourishing and increasing its renown, both here at home and around the globe. We continue our vital mission to educate doctors, nurses and scientists; care for those who are most in need; push to the forefront of innovation and scientific discovery; and serve communities that are close to home and continents away.

We recently opened a state-of-the-art education and research facility, the Albert Sherman Center, one of the finest education and research complexes found at any medical school in America. With the opening of this impressive building, UMass Medical School is now ideally positioned to build on our unique strengths, which include a top-ranked primary care program, a new learner-centered medical education curriculum and inter-disciplinary research initiatives.

This is our moment, one that is characterized by change, growth and transformation. Despite the continued evolution of our institution, we never lose sight of our core mission, which is to support each of you in your dream of becoming a physician.

Yours is a great calling, but one that will demand much of you - intellectually, physically and emotionally. The rewards are also great: The extraordinary opportunity to enter into a covenant with patients who seek your help, advance research that will change the science of medicine and commit to educating those who will follow you.

We are privileged to welcome you to our medical school and wish you success as you embark on a fulfilling career of caring for others.

Sincerely,

Michael F. Collins

Michael F. Collins, MD
 Chancellor



Office of the Dean
University of Massachusetts Medical School
55 Lake Avenue North, S1-340
Worcester, MA 01655-0002 USA
508.856.8000 (office) 508.856.8181 (fax)
terry.flotte@umassmed.edu (email)

Terence R. Flotte, MD
Dean, School of Medicine
Provost and Executive Deputy Chancellor
University of Massachusetts Medical School

August 2013

It is my great pleasure to offer you a warm welcome to the University of Massachusetts Medical School. Before you lies the great adventure of a career in medicine. The next four years are likely to be among the most challenging and yet the most rewarding of your lives.

I am particularly looking forward to getting to know you as you embark on this new adventure. I have been Dean of the School of Medicine, Provost and Executive Deputy Chancellor for six years and am now also serving as the institution's Chief Research Officer. Engaging directly with students is consistently one of the most professionally rewarding elements of my position here.

This handbook has been assembled to provide you with easy access to critical information. I hope you find it useful in facing the challenges ahead.

Wishing you all the best,

Terrance R. Flotte

Terry Flotte, MD
Celia and Isaac Haidak Professor of Medical Education
Dean, Provost and Executive Deputy Chancellor
Chief Research Officer
University of Massachusetts



Office of Educational Affairs
 University of Massachusetts Medical School
 55 Lake Avenue North
 Worcester, MA 01655-0002 USA
 508.856.4250 (office) 508.856.3700 (fax)
 michele.pugnaire@umassmed.edu

Michele P. Pugnaire, MD
 Senior Associate Dean for Educational Affairs

August 2013

Welcome to the University of Massachusetts Medical School! We congratulate you on your choice of a career in medicine and your decision to attend our medical school. We welcome the responsibility of introducing you to your career path in medicine and providing you with knowledge, skills, attitudes, and values that comprise the foundational competencies required of all physicians. Our educational mission fosters those attributes fundamental to: the development of therapeutic doctor-patient relationships; the practice of high quality, evidence-based clinical care; the understanding of concepts and methods in clinical/translational research; the service role of physicians to our communities and populations most in need; life-long learning, and your personal growth and professional development.

The Office of Educational Affairs (OEA) provides critical support to accomplish our educational mission. The office supports a diverse number of areas relating to medical education including; institutional accreditation; educational resources such as our new state of the art simulation center, the Interprofessional Center for Experiential Learning and Simulation or iCELS, the Division of Institutional Research, Evaluation and Assessment; the Center for Academic Achievement and educational innovation and development through the Center for Advancement of Primary Care and a number of grants and research projects. Currently UMass is one of four medical schools nation-wide, to be awarded a Donald W. Reynolds Foundation grant for the development of geriatrics curricula across our educational program. In addition, the Office of Educational Affairs oversees the diverse educational offices of the School of Medicine comprising Admissions, Student Affairs, Graduate Medical Education, Continuing Education and the Office of Undergraduate Medical Education.

Most importantly, this is your office. Please feel free to visit us at any time during the school day (we're here early and usually stay late). It is always a priority to meet with students, and I encourage you to make an appointment to meet with me to discuss your needs, concerns, and feedback regarding our educational programs.

I very much look forward to meeting and working with each of you.

Again, my heartfelt welcome.

Michele Pugnaire

Michele P. Pugnaire, MD
 Senior Associate Dean for Educational Affairs



Office of Educational Affairs
University of Massachusetts Medical School
55 Lake Avenue North
Worcester, MA 01655-0002 USA
508.856.4265 (office) 508.856.5536 (fax)
Melissa.Fischer@umassmed.edu (email)

Melissa A. Fischer, MD, MEd
Associate Dean for Undergraduate
Medical Education

August 2013

I am delighted to welcome you to the University of Massachusetts Medical School!

You are joining a community that prides itself on collaboration, cooperation and excellence in learning and practice. As Associate Dean for Undergraduate Medical Education (UME), I look forward to working with you as you engage with our curriculum and chart the course of your future as a physician.

Our office and staff are here to ensure that you have the best possible learning experience in the classroom, the lab, the clinic, the hospital and the community – in the Commonwealth of Massachusetts and overseas. Please don't hesitate to let us know how we can help you. Drop by the Office of UME (OUME), email, call or stop us in the hallway.

I look forward to meeting you and sharing that journey in the coming years,

Melissa Fischer

Melissa A. Fischer, MD MEd
Associate Dean for Undergraduate Medical Education
Office of Undergraduate Medical Education, S1-151



University of Massachusetts Medical School
55 Lake Avenue North
Worcester, MA 01655-0002 USA
508.856.5885 (office)
michael.kneeland@umassmed.edu

Michael D. Kneeland, MD, MPH
Associate Dean for Allied Health and
Inter-Professional Education
Interim Associate Dean for Student Affairs

October 2013

I join our faculty and staff in extending a warm welcome to you as you embark on your medical career in UMass Medical School. As evidenced by your acceptance to our school, we have great confidence that you will be an outstanding physician providing care to your future patients.

During your educational journey into medicine that is now beginning, you'll be taught by and interact with a faculty that is committed to your success. You will form a particularly close bond with your learning community mentors, faculty selected because of their outstanding track record in both educating and advising medical students. In addition, our learning environment has the most modern facilities and teaching tools to help ensure your success.

The staff in our Office of Student Affairs is likewise dedicated to providing you with the support you'll need for a successful and rewarding educational experience. Our doors are always open to answer any questions you might have and to provide you with our full support.

I am honored to be serving as your Interim Associate Dean for Student Affairs, and I look forward to meeting you and attending your graduation a few years ahead.

Michael Kneeland

Michael D. Kneeland, MD, MPH
Interim Associate Dean for Student Affairs
Associate Dean for Allied Health and
Inter-Professional Education

SECTION ONE: ACADEMIC PROGRAMS

- I. MD Program
- II. MD/PhD Program
- III. 5 Year Combined Clinical/Translational Research & Master's Degree in Clinical Investigation Program (CTRP/ MSCI)

I. MD Program

In 2010, the School of Medicine launched its new Learner-centered Integrated Curriculum (LInC), based on a new vision and principle to guide the training of the 21st century physicians. Designed with input from more than 400 faculty and students, LInC incorporates innovations in teaching and learning as well as new national standards for medical education. The medical education program is designed to develop six foundational competencies required of all physicians: professional, scientist, communicator, clinical problem solver, patient and community advocate and person.

Grounded in these required core competencies, the School of Medicine education program prepares students for their future medical careers regardless of specialty choice, while maintaining our founding commitment to prepare students for training in the primary care disciplines. Our philosophy values partnership between student and faculty in teaching and learning; respect and dignity in the physician-patient and student-learner relationship and an education milieu of collegiality, collaboration and diversity.

This “competency-driven” foundation continues to guide the ongoing development of our educational programs.

The entire Competencies for Medical Education document can be found in the Office of Student Affairs and/or the Office of Undergraduate Medical Education.

ROLES OF THE PHYSICIAN:

- PROFESSIONAL
- SCIENTIST
- COMMUNICATOR
- CLINICAL PROBLEM SOLVER
- PATIENT & COMMUNITY ADVOCATE
- PERSON

Requirements for the MD Degree *

Students should be aware that they will be held to the requirements of the grade level that they are in and to the requirements of the graduation year that they are in. Students should regularly check the student handbook to remain abreast of any changes.

- 1
 - For entering classes up through 2009 successful completion of required **pre-clerkship courses**.
 - For entering classes 2010 and later: successful completion of required **FOM1 and FOM2 courses**.
- 2
 - For graduating classes through 2013: Successful completion of **required clerkships** (internal medicine, surgery, family medicine, pediatrics, obstetrics and gynecology, psychiatry, neurology), and an approved subinternship.
 - For graduating classes of 2014 or later: Successful completion of **Core Clinical Experiences (CCE)**.
- 3
 - Successful completion of all required **Interstitials**.
- 4
 - Required **Subinternship** (*Internal Medicine, Family, Pediatrics or other subinternship approved by the Educational Policy Committee (EPC) as the required subinternship.)
- 5
 - For students who entered clinical experiences prior to May 2012: Required **Neurology Clerkship**.

6 **Required Electives**

24 or 32 weeks of elective credit:

- 32 for students entering clinical years during AY 2011/12.
- 24 for all other students.

Required Electives by Type:

- 12 weeks must be Type A or B and at least 8 weeks must be A or B1.
 - The remaining 12 weeks can be A, B or C electives.
 - 8 weeks maximum of clinical International electives can count toward graduation credit.
 - 12 wks. maximum of Type C electives can count toward graduation credit.

Required Electives by Length:

- Up to 8 weeks can be taken in blocks of two weeks or greater.
- The remaining required electives must be in blocks of at least 4 weeks.

7 USMLE Requirements

- For graduating classes through 2014: Successful passage of Step 1 of the US Medical Licensing Examination. Recording of a score to the Medical School for Steps 2 Clinical Knowledge and Step 2 Clinical Skills of the U.S. Medical Licensing Examination (USMLE).
 - For graduating classes 2015 or later: Successful passage of Steps 1 and 2 (Clinical Skills and Clinical Knowledge) of the U.S. Medical Licensing Examinations.
- 8 · All students must fulfill “competency” performance standards on a **Comprehensive Clinical Skills Assessment** as a graduation requirement for UMMS (see Comprehensive Core Clinical Assessment/CCCA policy).
- 9 · Demonstration of the ability to perform the skills in the Medical School’s Technical Standards with or without reasonable accommodations consistent with the Americans with Disabilities Act. Failure to meet these minimum standards may be grounds for possible course/clerkship failure, dismissal from the medical school, or immediate corrective action up to and including removal from the clinical or education setting. Students are judged not only on their scholastic achievement and ability, but also on their intellectual, physical and emotional capacities to meet the full requirements for graduation.
- 10 · Certification in **Advanced Cardiac Life Support**.
- 11 · Completion of **Certification for Graduation** with the Office of the Registrar and any additional administrative requirements such as payment of all fines including library and parking, returning all books, returning beeper, payment of any outstanding bills, required exit interviews, institutional surveys, etc.
- 12 · Successful completion of all required **Transition Courses**.
- 13 · Completion of program evaluations developed by UMMS, such as the summative End of Year 1, 2, 3 & 4 surveys. Other surveys developed by organizations outside UMMS may also be required, as determined by UMMS.

- 14 · School policy requires a student take a minimum of eight (8) semesters of enrollment and allows for a maximum of twelve (12) semesters of enrollment and 4 semesters of leave for completion of the MD Degree See: Number of Years to Complete the MD Degree Policy.
- 15 · For students entering clinical years in 2012 or later: Successful completion of all required **Flexible Clinical Experiences**.
- 16 · For students who entered the Medical School AY 12/13 or later: Successful completion of a **Capstone Scholarship and Discovery course**.
- 17 · For students in the class of 2014 or later: Successful completion of the **Emergency Clinical Problem Solver course**.

*Fourth Year Graduation Requirements Table:

As a result of the transition to the LInC clinical curriculum, elective and required fourth year course requirements vary depending on the year in which 24 or more weeks of core clerkships were taken.

Clerkship year	Req Subi	Electives	Neuro	ECPS*	ABTS*	Capstone
AY 10-11 or before (Classic Curriculum)	Yes	24 weeks Min 12 wks A or B/ min 8 weeks A or B1	Yes	No	No	No
AY 11-12 (Transition Year)	Yes	32 weeks Min 20 wks A or B/ min 16 weeks A or B1**	Yes unless neuro clerkship already completed	No unless neuro clerkship completed in CCE	No unless neuro clerkship completed in CCE	No
AY 12-13 and 13-14 (LInC Curriculum)	Yes	24 weeks Min 12 wks A or B/ min 8 weeks A or B1	No unless have not taken neuro clerkship	Yes unless have not taken neuro clerkship	Yes have not taken neuro clerkship	No
AY 14-15 AND admitted in AY 12-13 and after	Yes	24 weeks Min 12 wks A or B/ min 8 weeks A or B1	No	Yes	Yes	Yes

1. MD PROGRAM

FOM 1

COURSE/PROGRAM	CREDIT HOURS	CO LEADERS
Transition to Medical School		David Hatem, MD
Doctoring and Clinical Skills I (DCS1)	6/5=11	Michael Ennis, MD David Hatem, MD
Building Working Cells and Tissues (BWCT)	5	Mary O'Brien, MD William Royer, PhD
Integrated Case Exercises 1 (ICE 1)	1	Michael Fahey, MD Christina Hernon, MD
Determinants of Health 1 (DoH1)	See FOM2	Jeroan Allison, MD Suzanne Cashman, ScD
Nutrition		Ninfa Candela, MD
Principles of Human Genetics (PoHG)	2	John Landers, PhD Patricia Miron, PhD
Development, Structure and Function (DSF)	8/6=14	Douglas Cotanche, PhD Julie Jonassen, PhD Joseph Makris, MD
Principles of Pharmacology (PoP)	2	Mark Dershwitz, MD PhD Charles Sagerstrom, PhD
Host Defense and Blood (HDB)	4	Leslie Berg, PhD Robert Weinstein, MD
Infections (Infx)	4	Jennifer Daly, MD Christopher Sasseti, PhD
*Capstone Scholarship & Discovery Course (Beginning with the class of 2016)	credit upon completion	Melissa Fischer MD William Royer, PhD

FOM 2

COURSE/PROGRAM	CREDIT HOURS	CO LEADERS
The Brain: Nervous System & Behavior	7/3=10	Susan Gagliardi, PhD Neeta Garg, MD Mai-Lan Rogoff, MD Thomas Smith, MD
Cancer Concepts (CaC)	2	James Liebmann, MD Janaki Moni, MD
Determinants of Health 2 (DoH2)	5	Jeroan Allison, MD Suzanne Cashman, ScD

Organ System Diseases (OSD) (Cardiology block occurs during academic year one)	8/5=13	Sonia Chimienti, MD Mark Madison, MD Thomas Smith, MD Vijay Vanguri, MD
Doctoring and Clinical Skills 2 (DCS 2)	3/3 = 6	Michael Ennis, MD David Hatem, MD
Integrated Case Exercises 2 (ICE 2)	1	Michael Fahey, MD Christina Hernon, MD
Nutrition Program		Ninfa Candela, MD
Patients	3	Christine Donahue, MD Christina Hermos, MA Howard Sachs, MD
Transition to Core Clinical Experiences	1	David Hatem, MD
*Capstone Scholarship & Discovery Course (Beginning with the class of 2016)	credit upon completion	Melissa Fischer MD William Royer, PhD

CORE CLINICAL EXPERIENCES (CCE) Classic Curriculum

CLERKSHIP	CREDIT HOURS	DIRECTOR
Family Medicine	5	Mary Lindholm, MD
Internal Medicine	10	Mary Hawthorne, MD
Obstetrics/Gynecology	5	Dawn Tasillo, MD
Pediatrics	5	Erin McMaster, MD
Psychiatry	5	Deborah Field, MD Yael Dvir, MD
Surgery	10	Mitchell Cahan, MD Syed Quadri, MD
Flexible Clinical Experience (FCE)	class of 2013=N/A class of 2014=4	Samir Malkani, MD

CORE CLINICAL EXPERIENCES/THEMATIC SECTIONS: LiNC Curriculum

(For students entering clinical experiences May 2012 or later)

CCE	LEADER/S
Care of Adults	Sanjay Ram, MD, Medicine
Internal Medicine	Mary Hawthorne, MD, Medicine
Neurology	Lan Qin, MD, Neurology

Perioperative & Maternal Care Surgery OB/GYN	Julie Jonassen, MD, Microbiology & Physiological Systems Mitchell Cahan, MD, Surgery Dawn Tasillo, MD, OB/GYN
Care of Families Psychiatry Family Medicine Pediatrics	Carolina Ionete, MD, Neurology Deborah Field, MD, Psychiatry Mary Lindholm, MD, Family Med. & Community Health Erin McMaster, MD, Pediatrics
Interstitials Program	Julie Jonassen, PhD Mary Philbin, EdM

ADVANCED STUDIES (AS)

COURSE	CREDIT HOURS	DIRECTOR/LEADERS
Approved Subinternship Internal Medicine, Family, Pediatrics or other subinternship approved by the Educational Policy Committee (EPC) as the required subinternship.	8	Majid Yazdani, MD
Neurology (only for students who entered clinical experiences prior to May 2012)	4	Jennifer Moodie, MD Lan Qin, MD, PhD
Electives/Advanced Studies	24 or 32	
	32 = for students entering clinical years AY 2011/12 24 = for all other students.	
Advanced Biomedical and Translational Sciences (ABTS) (Beginning with the Class of 2014)	2	Jane Freedman, MD Eric Mick, ScD
Emergency Clinical Problem Solver (ECPS) (Beginning with the Class of 2014)	4	Paul Zgurzynski, MD
Transition to Internship	1	Dave Hatem, MD
* Capstone Scholarship & Discovery Course (Beginning with the class of 2016)	*4	Melissa Fischer MD William Royer, PhD
	* 4-year longitudinal course credit granted upon completion.	

----- CREDIT HOURS: See: Section Three; Credit Hours Definition. -----

MD PROGRAM CURRICULUM

A. Transition to Medical School

All incoming medical students are required to participate in the Transition to Medical School Curriculum. The Transitions Course consists of a Pre-Transition day at which students will receive their UMMS laptop and complete required clinical training. This is followed by two full days of orientation as well as other Transition Curriculum that occurs in conjunction with scheduled classes.

Some topics covered during the Transitions Curriculum are:

- Standard Precautions/OSHA
- Health Insurance Portability and Accountability Act (HIPAA)
- Electronic Medical Record (EMR)
- Basic Life Support (BLS)
- Professionalism & the Honor Code
- Learning Strategies
- Virtual Microscopy
- UMMS Learning Communities, mentors
- Student Resources
- Financial Aid

Student Laptop Requirement

The School of Medicine has a student laptop requirement. Distribution is handled by information services and usually takes place the first few days of school. Students are expected to bring their laptops to classes. Please see Information Services for more details on the laptop program at <http://inside.umassmed.edu/is/index.aspx>.

N95 Respirator Fitting /Mask FIT Testing (Patients with Respiratory Pathogens)

All entering students are required to have been cleared by Student Health Services (SHS) and Environmental Health and Safety (EHS) for either N-95 respirator mask fitting or PAPR mask fitting prior to entering any clinical site. See complete information in Section Nine: Health Related Concerns.

B. Pre-Clerkship Years

Usually comprises the first two years of medical school and consists of education in the basic medical and social sciences of clinical medicine. Early clinical exposure is offered through clinical correlations and a two-year longitudinal preceptorship program (LPP). All students are required to be CPR Level C (“health care provider”) certified. All students must attend BLS Certification even if they are already certified. Successful completion of all Transition Curriculum is required prior to starting LPP1.

C. Prerequisites & Required Information for Access to Clinical Experiences

I. Basic Life Support (BLS) Current Level C (Health Care provider certification.

II. HIPAA Privacy & Information Security Training

Students ‘work’ in the health care industry and are affected by multiple laws and regulations that are related to privacy, information security, and identity theft. UMMS requires that all medical students complete basic HIPAA privacy and security training to fulfill the obligations for educational and/or clinical experiences. The University’s training modules can be found on line in the Learning Communities Course in Bb9.

III. Massachusetts’ Identity Theft Law

Students must also be aware of the University’s and its associated providers’ obligation under the Massachusetts ID Theft Law. Under this law, if the University (or a clinical partner) knows or suspects that certain personal information has been improperly used or accessed, it must inform the individual of the breach, as well as various state agencies. The information which triggers this obligation is as follows:

The individual’s first name & last name or first initial and last name, PLUS any one or more of the following:

1. Social Security number
2. Driver’s license number (or state issued ID card number)
3. Financial account number
4. Debit or credit card number

Students who know or suspect that this information has been compromised, or subject to possible compromise due to a lost or stolen portable electronic device, must immediately report it to the appropriate official at their clinical site.

IV. Standard Precautions

All medical students are required to complete training on practices recommended by the Centers for Disease Control (CDC) for the prevention of blood-borne pathogens as part of the preclerkship curriculum.

V. Clearance by Student Health Service (Tuberculosis testing, vaccinations)

All medical students are required to obtain clearance by the Student Health Service (SHS) (e.g.; periodic physical exams, vaccinations, Tb testing etc.) See complete information in Section Nine: Health Related Concerns.

VI. Red Flags Rules

Students must also be aware of the “Red Flags Rule,” enacted by the

Federal Trade Commission to protect consumers from identity theft (and medical identity theft). Under this law, UMMS (or a clinical partner) is responsible for investigating actual or suspected incidences of identity or medical identity theft if it knows or suspects that an individual is using or attempting to use someone's identity to obtain services or pay for services.

Medical identity theft is one of the fastest growing types of identity theft in the United States and providers and their employees (including students) must be aware of their responsibility to spot and report "Red Flags" to the appropriate people for investigation. Examples of "Red Flags" include:

- Alerts, notices, or warnings from the credit reporting companies (Equifax, Experian, TransUnion).
- Suspicious documents - paperwork has telltale signs of identity theft. e.g. identification, SSN card, or driver's license that looks fake or forged.
- Suspicious personal identifying information - personal information that doesn't ring true (e.g. address, phone number or SSN that has been used by someone else.)
- Suspicious account activity. (e.g. Patient receives a bill or Explanation of Benefits for procedure patient didn't have.)
- Notice from the patient, customer, law enforcement, or victim of identity theft.
- See FTC web site for complete list of Red Flags: New 'Red Flag' Requirements for Financial Institutions and Creditors Will Help Fight Identity Theft.

Students who spot a "Red Flag" must report it to the appropriate official at their clinical site.

For Red Flags suspected at UMMS, Students must report to the UMMS Department of Public Safety (508-856-3296).

VII. Criminal Background Checks (CBC)/Criminal Offender Records Information Checks (CORI)

National Criminal Background Checks (CBC) or Massachusetts Criminal Offender Records Information (CORI) checks are used as screening tools of all current or prospective staff persons, volunteers, or other applicants to ensure the welfare of patients and children. A Criminal Background Check contains information received from court proceedings, including arrest records as well as convictions and dismissals.

A CBC may be required for participation in certain activities, by one of our clinical affiliates, or by the School. If a CBC reveals some contact with the criminal justice system, the school will review that history and the student's response. Students beginning classes in August

2010 and later have already been subject to a Criminal Background Check (CBC) as applicants, however a repeat CBC may be required for participation in certain activities, by one of our clinical affiliates, or by the School. If a subsequent CBC reveals some contact with the criminal justice system since the time of the initial CBC, the school will review that history and the student's response. The school has a process which governs these matters.

Please note: Some clinical site assignments require a Criminal background Check (CBC). If you are assigned to a site which requires a CBC you will be required to participate in any CBC process required by a clinical site to which you may be assigned.

The Schools Policy for Criminal Background Checks can found in its entirety at: <http://www.umassmed.edu/cbc.aspx>.

VIII. Mobile Device Requirement

All CCE & AS clinical students should be aware that the medical school has a mobile device requirement. However, since many students already own mobile devices that are able to run required software, there is no standard device required. Financial Aid recipients should be aware the an allowance has been made in the financial aid packages for the purchase of hardware (please note that if you choose a device that also serves as a Smartphone, these funds should not be used towards purchase of a telephone/data plan). Please contact the Financial Aid office for more specific details.

Required software can be uploaded from the library website. Please see the Mobile/Handheld Resources Guide at: <http://libraryguides.umassmed.edu/mobile> for detailed information.

Should you need further information or have questions, please contact the following:

- For questions regarding access to required programs/applications: Len Levin, Head, Education and Clinical Services, Lamar Soutter Library, Len.Levin@umassmed.edu.
- For questions regarding the devices: UMass Help Desk, UMWHelpDesk@umassmed.edu.

D. Formative Foundational Assessment (FFA)

Provides all students with the opportunity to encounter dynamic simulation cases in teams, practice focused history and physical exam skills with standardized patients, and apply knowledge from their foundational years to clinical practice.

E. Transition to Core Clinical Experience

The transition to Core Clinical Experiences curriculum is designed to provide hands on training and exposure to essential information and introductory skills to promote students' successful transition to their clinical rotations. This curriculum features small group sessions to review core clinical skills such as X-ray and EKG interpretation; heart, neurologic and musculoskeletal exams skills; basic life-support recertification and procedures such as blood drawing and simulations exercises in our interprofessional Center for Experiential Learning and Simulation (iCELS). Also featured are presentations on important health care systems topics, such as utilizing electronic medical records, infection control, quality improvement and patient privacy. (revised 012714)

F. Core Clinical Experiences (CCE)

Usually comprises the third and fourth years and consists of rotations through required core clinical clerkships and electives. This phase involves a greater level of responsibility for the care of patients under faculty supervision at the UMass Memorial Health Care (UMMHC), Medical School, affiliated hospitals and in ambulatory or community-based settings. Clinical sites are located across Central Massachusetts, generally within a one-hour commuting distance from the campus. **Students are responsible for providing their own transportation for these education experiences.** Students in the clinical years must follow the holiday schedule at their clinical sites. Overnight call is expected of Core Clinical and fourth year studies students. Students are expected to follow the call schedules assigned to them at their clinical site (see: Student Duty Hours Policy).

A mandatory clerkship orientation which includes BLS Level C Recertification is scheduled prior to the start of the first clerkship. Several mandatory topic-oriented Interstitials are also scheduled for all third-year students. All students must fulfill "competency" performance standards on a clinical skills assessment as a graduation requirement for UMMS (CCCA). All students are required to have and utilize a smartphone or Personal Digital Assistant (PDA). Hardware and software requirements can be found in the Lamar Soutter Library web site : <http://library.umassmed.edu/>. Year three students are also required to complete a web-based clinical log of patient encounters.

Hospitals for Required Clinical Rotations:

Students are required to take their rotations at one of the hospitals indicated below. Exceptions can be made with the written permission of the department chair or course coordinator and associate dean for student affairs.

FAMILY MEDICINE - Daniel H. Lasser, MD, MPH, Professor and Chair

UMMHC, University Campus	Mary Lindholm, MD
Hahnemann Health Center, Worcester	Stephanie Carter-Henry, MD
Family Health Center of Worcester	Lisa Carter, MD
Barre Family Health Center, Barre	Stephen Earls, MD
Family Medicine Services, Benedict Bldg.	Kristin Mallett, MD

Sites include multiple private practices throughout Massachusetts & Connecticut

OBSTETRICS & GYNECOLOGY - Julia V. Johnson, Professor and Chair

UMMHC, Memorial Campus	Dawn Tasillo, MD
Berkshire Medical Center	Andrea Bodine, MD
Milford Regional Medical Center	Samuel Zylstra, MD
St. Vincent Hospital at Worcester Med. Ctr.	Farzaneh Nabizadeh, MD
Saint Elizabeth's Medical Center	Jean Wilner Noel, MD
Holyoke Medical Center	Gretchen Loebel, MD

MATERNAL CHILD HEALTH

UMMHC, University Campus	Scott Wellman, MD
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PEDIATRICS - Mary Lee, MD, Professor and Interim Chair

UMMHC, University Campus	Erin McMaster, MD
Tri-River Health Center, Uxbridge	Jeffrey Lukas, MD
South County Pediatrics, Webster	Angela Beeler, MD
Health Alliance Hospital	Katy-Ann Hannigan, DO
Baystate Medical Center	Bryant "Bear" Benson, MD

PSYCHIATRY - Douglas Ziedonis, MD, MPH, Chair

Co-Clerkship Directors	Deborah Field, MD/Yael Dvir, MD
UMMHC, University Campus, C/L	Ralph Seymour, MD
UMMHC, University Campus, 8E	Cezar Cimpeanu, MD
UMMHC, PTRC	Ronald Greene, DO
Worcester Recovery Center & Hospital WRCH (adolescent unit)	John Iwuc, MD
Berkshire Medical Center	Liza Donlon, MD
Harrington Memorial Hospital	Meenakshi Vemuri, MD
Worcester Recovery Center & Hospital WRCH (adult unit)	David McGarry, MD
Wing Memorial Hospital	Alex Altamiranogomez, MD

INTERNAL MEDICINE-Robert Finberg, MD, Professor and Chair
Richard Glew, MD, Vice Chair for Undergraduate Medical Education & Faculty Affairs

UMMHC, Memorial	Mary Hawthorne, MD, Director
St. Vincent Hospital at Worcester Med. Ctr.	Rebecca Spanagel, MD
Berkshire Medical Center	Steve LaMontagne, MD
Milford Regional Medical Center	Karen Peterson, MD
UMMHC, University Campus	Allen Chang, MD
Marlborough Hospital	Jason Kurland, MD

SUBINTERNSHIP IN MEDICINE

UMMHC, University Campus	Majid Yazdani, MD, Director
UMMHC, Memorial Campus	Christine MacGinnis, MD
UMMHC, Memorial Campus, Hospitalist	Nidhi Chojar, MD
St. Vincent Hospital at Worcester Med. Ctr.	Rebecca Spanagel, MD
Milford Regional Medical Center	Camy Huynh, MD
Marlborough Hospital	Shubhra Kumar-Bradley, MD

SURGERY - Demetrius Litwin, MD, Professor and Chair

UMMHC, University Campus	Mitchell Cahan, MD
UMMHC, Memorial	Syed Quadri, MD
St. Vincent Hospital at Worcester Med. Ctr.	Elizabeth Mahanor, MD
Berkshire Medical Center	Michael DiSiena, DO
Saint Elizabeth's Medical Center	William Flynn, MD

NEUROLOGY - Robert H. Brown, Jr., Dr. Phil, MD, Professor and Chair

UMMHC, University Campus	Jennifer Moodie, MD Lan Qin, MD, PhD
UMMHC, Memorial Campus	Jordan Eisenstock, MD
St. Vincent Hospital at Worcester Med. Ctr.	Jayant Phadke, MD
Berkshire Medical Center	Laurence Ufford, MD
Lahey Clinic	Matthew Tilem, MD
Milford Regional Medical Ctr.	William Tosches, MD

Assignment to Required Core Clerkships and Advanced Studies Rotations (EVOS)

Initial assignments to required clinical rotations will be made by the Office of Student Affairs using a computer-based E*Value Scheduling Optimization module (EVOS). EVOS utilizes a linear algebraic scoring algorithm

that creates a schedule yielding the best overall cumulative score equally for all participants. While the computer tries to honor student's preferences, no guarantee can be made that a student's preferences will be reflected in actual rotation assignments. Students are responsible for monitoring and answering their e-mail promptly with regard to their assignments.

Once the CCE EVOS results are released, a short period of time will be allowed for students to make switches. For the core clinical schedule, only 1:1 switches can be made. All parties involved in the switch must e-mail Student Affairs authorizing the switch in order for the switch to be made. After this period, the EVOS results will be considered final. See: SECTION THREE: Changes in Core Clinical Elective Schedule.

G. Flexible Clinical Experience (FCE)

This course embodies the spirit of the new curriculum, by expanding the opportunity for individual exploration in a variety of clinical and translational science fields, early in the students' career. The program allows for self directed learning by allowing students to either choose from a diverse offering of pre-designed electives or to design their own clinical experience. The advantages of early exposure to a medical specialty include the opportunity to foster mentorships, to nurture and develop interest in the specialty and to provide intrinsic motivation to pursue further learning in the chosen field(s). These electives may also help to explore a career choice.

In this multidisciplinary learning program, following a broad set of guidelines, students will learn in a variety of methods depending on the elective experience they choose. Electives will emphasize one-on-one interaction between student and teacher. Criteria for granting credit are elective-specific minimum standards of performance as laid down by sponsoring departments.

Additional information can be found at: <http://www.umassmed.edu/FCE.aspx>

H. Clinical Competency Requirement/Comprehensive Core Clinical Assessment (CCCA)

All students must fulfill competency performance standards on a clinical skills assessment as a graduation requirement for UMMS. All students are required to complete the CCCA at the end of their core clinical year or the year prior to anticipated graduation eligibility. Any student who does not fulfill competency performance standards on the CCCA will be provided with a remediation process and second opportunity (CCCA Retest) to meet competency performance standards before the National Residency Match. It is the responsibility of the student to be available to take the CCCA at UMMS on the designated exam date. If a student does not demonstrate competency standards on the CCCA, a performance on the clinical competency requirement of "not meet-

ing competency” will be reported to the student and to the CSAEB. A CCCA Performance Evaluation Group is a standing subcommittee of the CSAEB. The student may submit an appeal regarding the CCCA and the CCCA Retest grade to the CCCA Performance Evaluation Group. All appeals will be managed by the CCCA Performance Evaluation Group.

Timeline:

Students will be notified of their CCCA performance results and the need to take the CCCA Retest by Mid-August of each year. The CCCA Retest will be conducted no later than November of the CCCA year. Students not able to meet competency performance standards on the CCCA Retest will be reported to the CSAEB by the middle of January following the CCCA.

(Revised 6/16/2012)

I. Electives/Advanced Studies (AS)

Recognizing that medicine is a highly complex and diversified field and that needs and interests of medical students are quite varied, the University of Massachusetts Medical School emphasizes a strong Elective/Advanced Studies program to complement the required areas of study. It is anticipated that each student, with the advice of their mentor will plan a program beneficial to their educational experience and postgraduate goals.

An elective is defined as a structured learning experience in a field of medicine or related fields approved by the faculty of the University of Massachusetts Medical School, which is not specifically required as part of the basic medical school curriculum. To fulfill the requirements for graduation, each MD Student must satisfactorily complete 24 weeks of elective time as outlined below:

In addition to the required Sub I (and Neurology clerkship, for students entering clinical experiences prior to May 2012) students must complete *24 weeks of elective time as follows:

Required Electives by Type:

- 12 weeks must be Type A or B and at least 8 weeks must be A or B1.
- The remaining 12 weeks can be A, B or C electives.
- 8 weeks maximum of clinical International electives can count toward graduation credit.
- 12 weeks maximum of Type C electives can count toward graduation credit.

Required Electives by Length:

- Up to 8 weeks can be taken in blocks of two weeks or greater.
- The remaining required electives must be in blocks of at least 4 weeks.

* Students who participated in Core Clinical Experiences during AY 2011-12 must complete an additional 8 weeks of A or B1 electives.

Please see: Fourth Year Graduation Requirements: Requirements for Graduation.

Electives applied toward graduation credit are normally advanced fourth-year courses taken after required third-year clerkships are completed, electives taken for credit at other times during the student's medical school career may be considered for graduation credit with the approval of the Clinical Science Academic Evaluation Board (CSAEB). They should not interfere with required courses and all the prerequisites of the elective must be met. All electives require prior approval by the Associate Dean for Student Affairs.

- The school does not restrict the proportion of time spent on internal versus external electives.
- Students considering international electives must discuss their plans with the Directors of International Student Program.
- Elective programs offered are posted on the Student Affairs Web site: <http://www.umassmed.edu/studentaffairs/electives/list.aspx>.
- It is the student's responsibility to arrange their fourth-year elective schedule, obtaining all necessary paperwork and approvals prior to the beginning of each elective. The Office of Student Affairs is available for assistance with any questions or concerns.
- Elective schedules are maintained by the Office of Student Affairs. **It is the student's responsibility to check his/her online PSSA elective schedule to insure that an accurate elective program is on file.**
- **It is the student's responsibility to forward all elective confirmation correspondence to the Office of Student Affairs or email it to: electives@umassmed.edu.** The only exception are electives received through the EVOS process. Please note, because an elective is 'requested' or is listed on a student's PEP is not confirmation that the elective was approved. If the approved paperwork is not received by the Office of Student Affairs, it will not be added to a student's Schedule. Students should frequently check their Peoplesoft schedule, which is the 'official' schedule of record.

For changes to Elective/ Advanced Studies schedule please see: Section Three: "Attendance, Withdrawal, Rescheduling; Changes or Withdrawing from Electives/Advanced Studies Program."

Proposed Educational Plan (PEP)

Prior to scheduling any Advanced Studies elective students should meet with their mentor to discuss their Proposed Educational Plan (PEP) for Advanced Studies.

The PEP is a vehicle for students and their assigned Learning Communi-

ties Mentor to discuss the goals and objectives of the students Advanced Studies education. Section A of the PEP reflects the “ideal” desired schedule. Additional electives that the student may consider should be listed in section B. Only electives on an approved PEP (Section A or B) will be approved by the associate dean of student affairs. Students are encouraged to discuss any elective with their Mentor if questions/concerns arise.

All Advanced Studies Students (AS) must have an approved PEP on filed by March 31.

PEP forms can be found on the Student Affairs website at <http://www.umassmed.edu/content.aspx?id=178080>

Elective Types

Type A: Under appropriate supervision, students function as if they have PRIMARY responsibility for patient care in an acute hospital setting. This implies that the students are responsible for and direct the diagnostic and/or therapeutic plan under the direction of the attending physician and with the aid of the intern or resident. This role often is referred to as a “Subinternship.”

Criteria to be considered in the definition of a Type A are:

- Block of continuous time of at least four weeks.
- Work-up approximately three new patients per week.
- Perform initial history and physical exams.
- Write orders (co-signed by house officer).
- Coordinate work-up and follow hospital course.
- Perform or observe all procedures on assigned patients.
- Be responsible for “scut” work on patients.
- Scrub for surgical procedures on assigned patients.
- Take night call according to intern’s schedule.
- Participate in AM work rounds and attending rounds.
- Present assigned patients to attending physician.
- Participate in teaching session regularly.

Type B1: Students must have direct contact with patients as a major feature of the elective. They are expected to obtain histories, perform physical examinations and offer diagnostic and therapeutic alternatives. Students need not have primary responsibility for patients. Such electives include the traditional consultative services in medical and surgical subspecialties as well as anesthesiology, preceptorships in primary care (medicine, pediatrics, family practice) certain experiences in community hospitals, etc.

Criteria to be considered in the definition of a Type B1:

- Block of continuous time of at least four weeks.
- Work-up approximately 15 patients per month.
- Attends regular didactic teaching session (a minimum of 1 per week).

- Follows course of patients with appropriate follow-up notes if necessary.
- Obtain history and perform physical examinations on assigned patients.
- Formulate diagnostic and therapeutic plan.
- Present patients to preceptor or attending physician.
- Make regular rounds on assigned patients.
- Perform procedures related to a specialty as appropriate.
- Review recent literature on diseases or problems encountered.

Type B2: Students must engage in the type of clinical care carried out by the clinicians practicing in this field but may not have direct patient care as a major feature of the elective. Such electives include advanced radiology electives (not the introductory radiology elective, which is a Type C), pathology electives, radiation oncology.

Criteria to be considered in the definition of a Type B2:

- Block of continuous time of at least four weeks.
- Attends regular didactic teaching session (a minimum of one per week).
- Follows course of patients as clinicians in this field do with follow-up notes as appropriate to specialty.
- Obtain history and perform physical examinations on assigned patients as appropriate to specialty.
- Formulate diagnostic and therapeutic plan as appropriate to specialty.
- Present patients to preceptor or attending physician.
- Make regular rounds as appropriate to specialty.
- Perform procedures related to a specialty as appropriate.
- Review recent literature on diseases or problems encountered.

Type C: This type of elective encompasses all those elective experiences in where there is limited contact with patients, as in diagnostic or therapeutic fields where major reliance is placed upon information gathering or therapy administered via sophisticated techniques such as radiology, nuclear medicine, radiation therapy, etc.

It can also include electives in the basic sciences. The only requirement is that there be some general relationship to the broad area of medicine and the medical sciences. In general, such electives will be in four-week blocks but programs can be modified to achieve the equivalent of a 4-week experience. Electives applied towards graduation credit are normally advanced fourth-year courses taken after required third-year clerkships are completed. Electives taken for credit at other times during the student's medical school career may be considered for graduation credit only with the approval of the Clinical Science Academic evaluation Board.

Individually Designed Electives/Research:

In collaboration with a faculty member, students may design an individual elective tailored to a specific interest. The elective must be sponsored by

a UMass faculty member (whether the elective is completed internally or externally from UMass, the sponsor must be a UMass faculty member). An individually designed elective can be Type A, B1, B2 or C. The student and faculty member will write a description of the elective, including the goals, methods of teaching, number of patients to be seen, supervision level, Type of elective (A, B1, B2 or C), length of the elective and grading basis (O/ AEP/ EP/ BEP/ NCR or CR/ NCR). This description must be signed by the faculty member who will be sponsoring the elective. The student must also submit the appropriate elective form (internal or external) and attaché it to the approved elective description. The evaluation form will be completed by the approving sponsor if the elective is internal or by the direct supervisor and co-signed by the sponsor if the elective is external.

Internal Elective

An elective course offered by the University of Massachusetts Medical School or its affiliated hospitals. UMass offers an array of electives that can be found online at: <http://www.umassmed.edu/studentaffairs/electives/list.aspx>.

External Elective

UMMS students are encouraged to apply for Advanced Studies electives at any of the AAMC accredited schools. External electives are elective courses given at institutions other than the University of Massachusetts Medical School or its affiliated hospitals. The AAMC offers an online Extramural Electives Compendium which allows elective searches by Region, State or School. The online Extramural Electives Compendium can be found at: <http://services.aamc.org/eec/students>.

International Electives*

UMMS offers many opportunities for UMass students to take electives abroad. These electives can range from clinical rotations, language or cultural immersion, to research experiences. Many of these electives are in third world countries, but are also available in all regions of the world.

Because students are being prepared for US residencies, a maximum of 8 weeks of clinical elective credit towards graduation will be given for international electives. Students whose academic performance has provided any cause for concern may be reviewed by the CSAEB before being permitted to take an international clinical elective.

Up to one TYPE C elective credit may be earned for language immersion programs approved by the Director of International Programs. The language chosen must be applicable to a significant minority population in the Commonwealth or elsewhere in the United States.

For more information on International Electives and possible funding sources, UMass students should contact Drs. Michael Chin or Ann Moormann.

*** Please Note regarding Tuberculosis Testing:**

Students traveling to areas endemic for tuberculosis who do clinical work are REQUIRED to have a repeat Tuberculin Skin Test performed 8-12 weeks after they return. For more specific information see Tuberculin Skin Testing Policy in the Student Health Section of this handbook or contact Student Health Services.

Elective Course Credit Guidelines

- **Credit toward graduation requirements:** Grade and time credit toward the 24 weeks of required elective time.
- **Credit NOT towards graduation:** Electives taken in excess of 24 weeks can be taken for credit and will be noted on the transcript.

NB: A minimum of 12 weeks of electives must be approved and taken for credit in any semester for students to be considered an enrolled student, receive course credit, be covered by malpractice, retain student status, etc. See Matriculating Student Status requirements.

- **Non approved:** No credit will be given for electives that are not approved by the Medical School. This does not imply that the experience may not be worthwhile, only that it is not under the official auspices of the University of Massachusetts Medical School. See Matriculating Student Status requirements in the Student Handbook.

Please Note: If a student is dropping or adding an elective the paperwork must be completed and given to the Office of Student Affairs BEFORE the start date of the elective. See Section Three: "Attendance, Withdrawals, Rescheduling: Changes or Withdrawing from Electives/Advanced Studies Program."

Optional Enrichment Electives

Optional Enrichment Courses are elective courses offered in addition to the regular, required and elective/selective curriculum elected by the student. Unlike regular electives, the student is not required to take any optional enrichment electives. These courses are offered jointly by the Office of Undergraduate Medical Education and the Office of Student Affairs.

- Scheduled during the independent study time in the schedule.
- Participation in these courses is mentioned in the Medical Student Performance Evaluation (MSPE) and appears on the transcript by course name, with two hash marks (##) in the "grades" column and a notation on the transcript as: "## Optional Enrichment Course. The student has elected this course in addition to the regular curriculum requirements."

- Requires approval by the EPC in order to be so designated and appear on the transcript.
- Failure to complete course requirements results simply in the course not being listed on the student's transcript. It is not possible to "fail" such a course.

A list of optional enrichment electives along with a brief description of each can be found at: <http://www.umassmed.edu/Content.aspx?id=104382>

REQUIREMENTS FOR APPROVAL OF AN OPTIONAL ENRICHMENT ELECTIVE:

The Course coordinator prepares a brief description (e.g., 2 pages) containing:

1. Course name.
2. Identified faculty coordinating course and the department sponsoring the course, or identified faculty advisor if student-coordinated. The sponsoring office, division, or department is responsible for supporting the elective.
3. Goals and objectives of the proposed course.
4. Learning methodology and opportunities, and a syllabus outline of the proposed course (including the proposed schedule and faculty presenters).
5. A brief description or outline of how the course builds upon what is currently being taught in the curriculum in the proposed topic area.
6. The maximum number of students the course will accept.
7. Proposed start and end dates of the course. Faculty are encouraged to offer their course in either the fall or the spring semester. As per UMMS protocol, for any courses spanning more than one academic semester the elective is treated as two distinct courses by the school catalogue, PeopleSoft and the Learning Management System.
8. The method of evaluation that will be used to certify that students have completed the course, warranting mention on the transcript and Medical Student Performance Evaluation (MSPE). For example, attendance could be the sole requirement, or student could be expected to write a paper or other exercise in order for participation in the course to be reported to the Registrar and to the Dean's Office. For example, students' comprehension and expression of American Sign Language is evaluated through tests and quizzes using both faculty and deaf community members. Medical Interviewing in Spanish is evaluated by observation of standardized patient interview(s) in Spanish by faculty.
9. Method of course evaluation if one is used in addition to the end of course evaluation form required by the Office of Educational Affairs.

J. Interstitials

Interstitials are required third-year activities and as with all other re-

quired courses any changes in the schedule requires advance permission.

Postponement of a Required Interstitial: *See: Section Three: “Withdrawal, Rescheduling Required Activities: Postponement of a Required Interstitial.”*

K. Transition to Internship

The Transition to Internship course covers topics such as code scenarios in the Sim Center and review of cardiac cases using Harvey[®] (the cardio-pulmonary patient simulator), “middle of the night/urgent cases” scenarios, skills such as handoffs, prescription writing, pronouncing and working with families, review of EKG/CXR/ specialty skills, review of therapeutics, and time with current interns to talk about practical survival skills. This course is a requirement for graduation.

L. Capstone Scholarship and Discovery Course

For the Class of 2016 and beyond, completion of the Capstone Scholarship and Discovery (CSD) course is a requirement for graduation. The goal of this four year longitudinal course is to provide students with the support to build on a personal passion that existed prior to entering the field of medicine, or to identify and develop a new one encountered after matriculation through a mentored scholarly project in one of the School of Medicine’s core competencies (Physician as Professional, Scientist, Communicator, Clinical Problem Solver, Advocate and Person). This work is called the Capstone Project (CP). Additional information can be found at: <http://www.umassmed.edu/OME/Capstone-CSD/CSD.aspx>.

M. Emergency Clinical Problem Solver

Fourth year medical students will integrate accumulated knowledge in order to:

- Identify an emergency (across different clinical settings) and learn a systematic approach to diagnosis, treatment, and disposition.
- Evaluate high-risk undifferentiated patients and generate a differential diagnosis using advanced clinical reasoning techniques.
- Perform patient management to include: rapid assessment of acuity, initial treatment, stabilization, and disposition. Procedural skills necessary to stabilize acutely unstable patients. Leadership, teamwork, and effective communications.

Additional Information can be found at: <http://www.umassmed.edu/studentaffairs/asprogram.aspx>.

N. Advanced Biomedical and Translational Sciences (ABTS) (Beginning with the Class of 2014)

A list of ABTS courses can be found at:

<http://www.umassmed.edu/studentaffairs/asprogram.aspx>

II. MD/PhD PROGRAM at UMass Medical School

Telephone: 508-856-4135

Personnel: Gyongyi, Szabo, MD, PhD, Director
 William Schwartz, MD, Associate Director
 Silvia Corvera, MD, Associate Director
 Anne R. Michelson, Program Administrator
 (anne.michelson@umassmed.edu)

Requirements for Graduation

All MD/PhD students must complete:

School of Medicine (SOM)

- All requirements as set forth by the SOM.

Graduate School – BBS Track

Core Curriculum

- If required by your thesis advisor, Blocks 1, II, and III of the GSBS Core.
- A minimum of two summers in laboratory rotations; one prior to the start of the School of Medicine Yr. One and one following MS1 (FOM1). A split rotation is allowed after MS1 in the form of two, minimum four-week rotations.
- MDP740 during every SOM semester and the summer following first year.
- MDP741 during every Graduate School semester; fall, spring and summer.
- MDP742 MD/PhD HIPAA and OSHA Certification during each fall of full-time graduate studies.
- MDP743 Preparation for Thesis Research; taken after completion of year two in the School of Medicine, while completing four months of Care of Family and Care of Adult clerkships prior to full-time research.
- MDP744 Learning Communities during each semester of full-time research.
- MDP765 MD/PhD Qualifying Exam; register spring semester of the first year of full-time graduate studies.
- MDP865 MD/PhD TRAC Meeting every fall and spring semester after passing the Qualifying Exam and forming the Thesis Research Advisor Committee TRAC.
- MDP800 MD/PHD Seminar Series during each fall and spring of all years in the program.
- Responsible Conduct of Research.

- Basic Biomedical Sciences course, Communicating Science.
- Any advanced topic course required by your TRAC.

Qualifying Examination

- Graduate School Year One: Presentation and defense of a research proposal within six months of starting full-time research (See Qualifying Exam Guidelines for specific MD/PhD instructions).
- Enrollment in Pre-Qualifying Research until the Qualifying Exam is passed.

Thesis Research/Graduate Research

- Enroll in Thesis or Graduate Research until the TRAC approves progression to dissertation defense.
- Twice annual TRAC meetings during each year of Thesis Research to review progress of student's research.

Teaching Requirement

All MD/PhD students are required to complete the teaching requirement with the preparation and presentation of teaching skills. The teaching requirement can be fulfilled at any point during the graduate school program.

- The MD/PhD Student Seminar (MDP800) presentation can be used to fulfill this requirement in the upper graduate school years.
- The teaching requirement can be fulfilled at any time during the graduate program. There is no limit to the number of attempts a student may make to fulfill the teaching requirement, although it must be successfully completed before the dissertation defense can be held.
- The MD/PhD Graduate Program Director will determine if the student has met the Teaching Requirements.

Graduate School – CPHR Track

Clinical and Population Health Research Program (CPHR)
MD/PhD students entering into the CPHR track will have a different PhD Program structure than those in the BBS track. Students in this track will fall under the guidelines of the CPHR Program and work on an accelerated schedule which should allow them to complete the PhD in three years. If necessary, a fourth year curriculum would be identical to the third. The graduation requirements are as follows:

GSBS SUMMER ROTATION PRIOR TO MEDICAL SCHOOL

CTS850 - LAB ROTATION (FOR CPHR STUDENTS)

Medical School – Year One

FALL	SPRING	SUMMER
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MDP740 - RESEARCH TUTORIAL IN BIOMEDICAL SCIENCES	MDP740 - RESEARCH TUTORIAL IN BIOMEDICAL SCIENCES	MDP740 - RESEARCH TUTORIAL IN BIOMEDICAL SCIENCES
MDP800 - MD/PHD SEMINAR SERIES	MDP800 - MD/PHD SEMINAR SERIES	CTS850 - LAB ROTATION (FOR CPHR TRACK STUDENTS)

Medical School - Year Two		
FALL	SPRING	SUMMER
MDP740 - RESEARCH TUTORIAL IN BIOMEDICAL SCIENCES	MDP740 - RESEARCH TUTORIAL IN BIOMEDICAL SCIENCES	MDP 743 - PREPARATION FOR THESIS RESEARCH
MDP800 - MD/PHD SEMINAR SERIES	MDP800 - MD/PHD SEMINAR SERIES	MAY THROUGH AUGUST WILL BE SoM CLERKSHIPS (CARE OF FAMILY AND CARE OF ADULT)
NATIONAL BOARDS, STEP ONE (COMPLETED BY START OF CLERKSHIPS)		

Core Curriculum		
Fall 1	Spring 1	Summer 1
CTS 602A Epidemiology & Research Methods	CTS 602B Epidemiology & Research Methods	CTS 880 Pre-Thesis Research
CTS 603A Biostatistics	CTS 603A Biostatistics	CTS 850 Lab Rotation
CTS 701 Scientific Writing	CTS 703 Proposal Development Seminar	
CTS 702 Research Ethics	CTS 601B Determinants of Population Health	
CTS 870 Preparation for Qualifying Paper	CTS 870 Preparation for Qualifying Paper	
Fall 2	Spring 2	Summer 2
CTS 880 Pre-Thesis Research	CTS 900 Thesis Research	CTS 900 Thesis Research
CTS 865 TRAC Meeting	CTS 865 TRAC Meeting	
Fall 3	Spring 3	Summer 3
CTS 990 Graduate Research	CTS 990 Graduate Research	CTS 990 Graduate Research
CTS 865 TRAC Meeting	CTS 865 TRAC Meeting	
Fall 4	Spring 4	Summer 4
CTS 990 Graduate Research	CTS 990 Graduate Research	CTS 990 Graduate Research

Core Curriculum

CTS 865 TRAC Meeting	CTS 865 TRAC Meeting	
This curriculum can change; contact the CPHR Program for specifics on the current curriculum.		

Students complete the Qualifying Paper and Dissertation Proposal Defense prior to entering Graduate Research. All core and research courses registered for during the graduate school years will fall under the CPHR course numbers with the exception of any MD/PhD specific courses taken during the same time period. Please refer to the CPHR Handbook for the academic guidelines of this Program.

III. 5 Year Combined Clinical/Translational Research & Master's Degree in Clinical Investigation Program (CTRP/MSCI)

The CTRP/MSCI is an integrated program comprised of relevant required core curricula in Years 1 and 2 of Medical School; two required CTR Pathways Courses in Years 1 and 4; three research electives; and the Year 1 core curriculum of the MSCI program. The components of this 5-year Combined CTRP/MSCI Program are built upon already existing components of the medical school curriculum (both core and elective) and the MSCI program, and include additional required classes specific for the CTRP.

The CTRP/MSCI curriculum components are as follows:

FOUNDATIONS OF MEDICINE YEAR 1

Introduction to Clinical/Translational Research: Protocols & Ethics

This required series of 9 90-minute CTRP core curriculum session spanning the fall and spring semesters is designed to provide foundational knowledge on the approach to clinical trials and types of clinical research involving clinic patients and other human subjects. The course explores ethical considerations in patient-oriented research, and includes required observation of 1 IRB Committee Meeting and completion of a web-based Course in Protection of Human Research Subjects. The core curriculum provides the foundation for students' participation in their 8-week placement in the Summer Research Fellowship Program.

FOUNDATIONS OF MEDICINE YEAR 2

Summer Research Fellowship Program Elective

Undertake 2-month summer project in clinical/ translational research under the guidance of a CTRP-affiliated faculty mentor. Attendance at 6-8 CTRP seminars on study design, methods and data analysis throughout the summer months is required, including those sessions related to the Population Clerkship (see below). Stipend support

shared by the student's mentor and the School is provided for students enrolled in the summer research program.

Determinants of Health Course

- **Epidemiology and Biostatistics** – Assignment to a research pathway small group; basics in epidemiology, biomedical statistics, clinical trial design will be covered, utilizing existing small-group sessions in the Epidemiology and Biostatistics course.
- **Population Health Clerkship** – CTRP students have their own small group instead of selecting from the menu of options offered to the medical student class. They complete all Population Clerkship requirements within a framework where they have the opportunity to learn more about clinical research methods, epidemiology and statistical analysis working on a health issue of significance. Several extra summer meetings are required to produce a stronger outcome oriented product from the Population Clerkship than other groups prepare.

CORE CLINICAL EXPERIENCES - YEAR 3

- **Journal Club Tutorial in Clinical/Translational Research** – Participation in the 3 required Journal Club sessions; each CTRP student will present a journal article and facilitate group discussion.
- **Choose a research project and mentor for the Senior Scholars Elective** – During Year 3, research pathway students are required to develop the experimental design for their Senior Scholars project, and initiate/obtain IRB approval as needed. Two individual meetings with the student's faculty mentor are required.

ADVANCED STUDIES - YEAR 4

Senior Scholars Elective – Requirements include: Three month elective to complete clinical/translational research project, analyze data, submit project summary, present at UMMS poster session. Optional: Present paper or poster at an academic professional meeting.

Master of Science in Clinical Investigation - 5 Year Program Option:

All students who are accepted and enroll in the CTR Pathway will have the additional opportunity to apply for the 5-year Program Option, which builds on the pathway core requirements, and includes an additional “pull-out” year to enroll in the Master's Degree in Clinical Investigation program in the Graduate School of Biomedical Sciences.

This opportunity is available only to enrolled CTR Pathway students. Candidates for this option must be UMass Medical students officially enrolled in the CTR Pathway program, who are either in their 2nd or 3rd year of medical school.

SECTION TWO:

HONOR CODE, TECHNICAL STANDARDS & PROFESSIONALISM

I. HONOR CODE

The UMass Honor Code's commitment to professionalism is described in both the Honor Code itself and in Technical Standard Five (Behavioral and Social Attributes, (<http://www.umassmed.edu/studentaffairs/handbook.aspx>).

As a community of scholars and future physicians, the code carries with it a responsibility to mutually assure the integrity of the community. This reflects the obligation of licensed physicians to maintain the ethics of the profession (<http://www.mass.gov/eohhs/provider/licensing/occupational/physicians/mandated-reporting/>).

It is expected that each student will make a personal commitment to abide by the UMass Honor Code, which includes both self-monitoring and reporting violations.

The Honor Code applies to students at the School of Medicine and is enforced by an Honor Board. All students who are enrolled in a degree-granting program from the school of medicine will be held to the Honor Code until they receive their final degree(s). The Honor Board consists of faculty and students (chosen by their peers), with a Chair named by the Dean. Violations include actions that fall into behavioral, academic, legal and safety categories.

Consequences of all violations include self-assessment and remediation; some violations may require course repeat, service work or dismissal. Categories of violations are tiered and cumulative (such that repetitive violations, even of a lower tier, lead to increased consequences).

Please see full Honor Code policy at: <http://www.umassmed.edu/studentaffairs/honorcode.aspx>.

(revised 012714)

II. TECHNICAL STANDARDS

UNIVERSITY OF MASSACHUSETTS MEDICAL SCHOOL TECHNICAL STANDARDS FOR MEDICAL SCHOOL ADMISSION, CONTINUATION AND GRADUATION

INTRODUCTION

The mission of the University of Massachusetts School of Medicine is to

graduate skilled and effective physicians. It is the responsibility of the faculty to select applicants from among residents of the Commonwealth who are best qualified to complete the required training and most likely to become the best possible physicians. Applicants are selected for admission to the school based not only on their scholastic achievement and ability, but also on their intellectual, physical and emotional capacities to meet the requirements of the school's curriculum and of a successful career in medicine. The faculty of the University of Massachusetts School of Medicine recognizes that academic competency is essential for success in medical school. Such things as intellectual curiosity, undergraduate grades, and the MCAT examination help to demonstrate academic competency. The Admissions Committee is instructed to exercise its judgment on behalf of the faculty in selecting the entering class. The committee is asked to consider not only academic ability but also character, integrity, extracurricular achievement, commitment to service, ability to contribute to the advancement of medical knowledge and biomedical research, the likelihood of providing primary care in the commonwealth, serving the health care needs of our underserved communities, and overall suitability for the medical profession based upon information in the application, letters of recommendation, and personal interviews. The Liaison Committee on Medical Education, which accredits the medical school, requires that the curriculum provide a general professional education, enabling each student to pursue graduate training in a variety of disciplines. Also, one of the missions of University of Massachusetts School of Medicine is to graduate a significant number of generalist physicians. This requires the development of broad knowledge, skills and behaviors, enabling ongoing self-directed learning, further training and delivery of competent medical care. The faculty of the University of Massachusetts School of Medicine believes that such a broad based and patient oriented curriculum is best suited for future generalists, specialists and physician investigators. The basic sciences curriculum includes anatomy, biochemistry, histology, pathology, pharmacology and physiology and is designed to establish a core of knowledge necessary for clinical training. The clinical curriculum begins early in the first year and includes diverse experiences in primary care, family medicine and ambulatory patient care. The third and fourth year include in-depth experiences in primary care, family medicine, internal medicine, obstetrics and gynecology, pediatrics, psychiatry, surgery, diagnostic imaging, pathology, emergency medicine, geriatrics and rehabilitation medicine in ambulatory and in-patient settings. These experiences provide a broad basis for the practice of medicine, regardless of the future choice of specialty. Each student is required by the faculty to successfully complete each required course and clinical rotation to graduate.

The following technical standards specify those attributes the faculty considers necessary for completing medical school training, enabling each graduate to subsequently enter residency and clinical practice. These standards describe the essential functions students must

demonstrate in order to fulfill the requirements of a general medical education, and thus, are pre-requisites for entrance, continuation, promotion, retention and graduation from medical school.

The University of Massachusetts School of Medicine will consider for admission any applicant who meets its residency requirement, academic criteria, and demonstrates the ability to perform or to learn to perform the skills listed in this document, with or without reasonable accommodations consistent with the Americans with Disabilities Act. Any applicant with questions about these technical requirements is advised to discuss the issue with the ADA Student Coordinator prior to the interview process.

Certain chronic or recurrent illnesses that interfere with patient care or safety are not compatible with medical practice or training. Any student who is a carrier of a blood borne pathogen [including but not limited to Hepatitis B virus, Hepatitis C virus, and Human Immunodeficiency virus (HIV)] will not be permitted to perform some invasive procedures. This will restrict the student's ability to perform fully in some clinical clerkships and to meet the requirements of some specialties; therefore, the student will possibly be prohibited from future training and practicing in those fields. Read the Addendum and Policy Statement on Blood-Borne Pathogens appended to this document. Other conditions that may lead to a high likelihood of debilitating student illness should also be carefully considered before committing to a clinical career. Deficiencies in knowledge base, judgment, integrity, character, or professional attitude or demeanor, which may jeopardize patient care, may be grounds for immediate removal from the clinical situation, course/rotation failure and possible dismissal.

TECHNICAL STANDARDS

A student must possess aptitude, abilities and skills in five areas: 1) observation; 2) communication; 3) sensory and motor coordination and function; 4) conceptualization, integration and quantitation; and 5) behavioral and social skills, abilities and aptitude. These are described in detail below. Students must be able to independently perform the described functions.

1. OBSERVATION

Students must be able to observe demonstrations and conduct experiments in the basic sciences, including, but not limited to: anatomic dissection of preserved tissues and cadavers, physiologic and pharmacologic demonstrations in animals, microbiologic cultures, microscopic studies of microorganisms and animal and human tissues in normal and pathologic states. A student must be able to observe patients accurately at a reasonable distance and close at hand, noting non-verbal as well as verbal signals. Specific observational requirements include, but are not limited to the following abilities: detecting and identifying significant changes in colors of fluids, skin, culture media, and dipstick tests; perceiving with acuity and accurately discriminating findings on x-rays and other imaging tests; efficiently reading written and illustrated material;

observing intracellular details through a microscope; observing demonstrations in the classroom, including projected slides, films, videos and overheads; observing and differentiating changes in body movement; observing anatomic structures; discriminating numbers and patterns associated with diagnostic instruments and tests, such as sphygmomanometers and electrocardiograms; and using instruments competently, such as the otoscope, ophthalmoscope, microscope and stethoscope.

2. COMMUNICATION

Students must be able to relate effectively and sensitively with patients of all genders, as well as all ages, races, life-styles, sexual orientations, and cultural backgrounds, and be able to convey a sense of compassion and empathy. A student must be able to communicate clearly with and observe patients in order to elicit information, accurately describe changes in mood, activity and posture; and be able to perceive verbal as well as nonverbal communications. Communication includes not only speech but also reading and writing. Medical education presents exceptional challenges in the volume and breadth of required reading and the necessity to impart information to others. Students must be able to communicate quickly, effectively and efficiently in oral and written English with all members of the health care team. Specific requirements include but are not limited to the following abilities: communicating rapidly and clearly with the medical team on rounds; eliciting a thorough history from patients; and communicating complex findings in appropriate terms to patients and to various members of the health care team (fellow students, physicians, nurses, nurses' aides, therapists, social workers and others). Students must learn to recognize and promptly respond to emotional communications such as sadness, worry, agitation and lack of comprehension of physician communication. Each student must be able to read and to record observations and plans legibly, efficiently and accurately in documents such as the patient record and the electronic record. Students must be able to prepare and communicate concise but complete summaries of individual encounters, including hospitalizations. Students must be able to complete forms according to directions in a complete and timely fashion. Students must be computer literate and able to access patient records and medical information with facility.

3. SENSORY AND MOTOR COORDINATION OR FUNCTION

Students must be able and willing to perform with acuity, accuracy, and facility, a complete physical examination on any patient of all genders, utilizing palpation, auscultation, percussion and other diagnostic maneuvers. In general, this requires sufficient ability to observe with acuity and to process accurately: visual, auditory, exteroceptive (smell, touch, pain and temperature) and proprioceptive (position, pressure, movement, stereognosis and vibratory) phenomena, as well as the ability to manipulate with precision, at a fine level of movement, patients, and medical instruments and equipment. Methods of surgical instruction include practice on living or preserved animal tissues. A student must

be able and willing to provide general care and emergency treatment to any patient of all genders in a timely manner. Furthermore, a student must be able to respond promptly to medical emergencies within the hospital, and must not hinder the ability of co-workers to provide prompt care. Examples of such emergency treatment reasonably required of physicians include arriving quickly when called and initiating cardiopulmonary resuscitation, administering intravenous medication, applying pressure to stop bleeding, opening obstructed airways, suturing wounds and performing basic obstetrical maneuvers. Cardiopulmonary resuscitation may require moving an adult patient, repeatedly and rapidly applying considerable chest pressure, delivering an adequate volume of artificial respiration, and calling for help. A student must be able to learn to perform basic laboratory tests, e.g., urinalysis, completed blood count and diagnostic and therapeutic procedures, e.g., phlebotomy, arterial blood gas drawings, lumbar puncture, arthrocentesis. Students must be able to measure angles and diameters of various body structures using tape measure and goniometer, measure blood pressure and pulse, and interpret graphs describing biologic relationships. Clinical rotations in ambulatory care settings require the ability to transport oneself to a variety of ambulatory settings in a timely manner, and inpatient rounds require prolonged and rapid movement.

4. INTELLECTUAL-CONCEPTUAL, INTEGRATIVE AND QUANTITATIVE ABILITIES

These abilities include measurement, calculation, reasoning, analysis, judgment and synthesis. The student must also be able to recognize letters and numbers quickly and accurately. Clinical reasoning and problem solving are critical skills demanded of physicians requiring all of these intellectual abilities, and they must be performed quickly, especially in emergency situations. Moreover, the effective physician often must deal with several tasks or problems simultaneously (“multi-tasking”). Students must be able to identify significant findings from history, physical examination and laboratory data, provide a reasoned explanation for likely diagnoses, construct a reasoned and cost-effective diagnostic plan, and prescribe medications and therapy, recalling and retaining information in an efficient and timely manner. Students must be able to identify and communicate the limits of their knowledge to others when appropriate. The ability to incorporate new information from peers, teachers and the medical literature in formulating diagnoses and plans is essential. Good judgment in patient assessment, diagnostic and therapeutic planning is essential.

5. BEHAVIORAL AND SOCIAL ATTRIBUTES

Empathy, integrity, honesty, concern for others, good interpersonal skills, interest and motivation are all personal qualities that are necessary for any physician. Students must be able, in all clinical and academic settings, to fully utilize their intellectual abilities, to exercise good judgment, to promptly complete all responsibilities attendant to the diagnosis and care of patients. They must be able and willing to develop mature, sensitive, professional and effective relationships with

patients of all genders, ages, races, life-styles, sexual orientations and cultural background, as well as with their families, with other health care providers, and with all members of the learning and working community. At times this requires the ability to be aware of and appropriately react to one's own immediate emotional responses: e.g., students must maintain a professional demeanor, and be able to function at a high level in the face of personal fatigue, dissatisfied patients and their families, and tired colleagues. Students must be able to develop professional relationships with patients and their families, providing comfort and reassurance when appropriate while protecting patient confidentiality. Students must be able to maintain professional conduct when interacting with patients and the families of patients suffering from catastrophic illness, trauma, and death. Students must possess adequate endurance to tolerate physically taxing workloads and to function effectively under stress. All students must be able and willing to work on any day of the week and on any day of the year when called upon to serve in scheduled clinical activities or learning opportunities. All students are at times required to work for extended periods, occasionally with rotating and overnight shifts. Students must be able to adapt to changing environments, to display flexibility and to learn to function in the face of uncertainties inherent in the clinical problems of many patients. Students are expected to accept appropriate suggestions and criticism and, when necessary, to respond by modifying their behavior.

The School's Technical Standards can also be found online at: <http://www.umassmed.edu/som/admissions/applications.aspx>.

Adopted by the University of Massachusetts Medical School Admissions Committee on Dec. 12, 1990.

First revision September 15, 1993; Second revision July 30, 1999; Third revision April 5, 2001; Fourth revision July 9, 2009

III. PROFESSIONALISM

Guidelines for Professional Behavior

The Faculty and Student Body of the University of Massachusetts Medical School regard the following as guidelines for professional conduct. These areas are derived from the school's Technical Standards (see Student Handbook). We are proud that the vast majority of our students exemplify these behaviors naturally. All members of the UMass Medical School community are expected to act professionally in the school, hospital and in the community with or in front of patients, families, members of the health care team and others in the professional environment (school, hospital, clinic, office) including members of the faculty and administration, other students, standardized patients, and staff. Please refer to the addendum in the School's Honor Code as found at <http://www.umassmed.edu/studentaffairs/honorcode.aspx>.

(revised 012714)

SECTION THREE: ACADEMIC POLICIES AND REGULATIONS

ATTENDANCE, RESCHEDULING, WITHDRAWING

Students who do not report for a required elective, clerkship rotation or who are absent from a clinical rotation or other required activity without appropriate notification to the course director, clerkship coordinator and the associate dean of student affairs will receive the grade of No Credit for the required rotation. See specific Attendance, Rescheduling, Withdrawal policies below.

Changes to Core Clinical Experience (CCE) Schedule

On rare occasion, a further change in clerkship assignment may be requested by a clerkship coordinator, the Clinical Science Academic Evaluation Board or by a student. Any changes to clerkship assignments made after the EVOS results are final must be made through the Office of Student Affairs. The EXCEPTION to this is in instances where only a site change within the same clerkship is involved; in this case the change should be made by the clerkship coordinator and affected student. The Office of Student Affairs must be informed in writing of any changes made by the student and the clerkship coordinator. See Also: Time Away from Required Clinical Clerkships Policy and Postponement of Core Clinical Experience.

Postponing a Required Core Clinical Experience (CCE)

Occasionally it may become necessary for a student to request a postponement of a required CCE. This request may be made in order to complete required FOM 2 courses or activities, to complete PhD thesis work, for health reasons or extenuating personal circumstances.

PLEASE NOTE: Request for postponements for USMLE Step 1 preparation must be presented to the appropriate CCE Director through the Associate Dean for Student Affairs at least TWO WEEKS prior to the start of the scheduled CCE. It should be noted that students must have the support of the Center for Academic Achievement to request a CCE postponement for USMLE test preparation.

Procedure:

1: Submit Request in Writing to the associate dean for student affairs a written request (letter or email) indicating the reasons for the request. The student's request will be presented to the Clinical Science Academic Evaluation Board (CSAEB) for consideration.

2: Timing of Approval (A or B below)

A. If the request to postpone the CCE is approved before the CCE EVOS:

- Contact the EVOS administrator prior to entering the CCE EVOS to arrange to be administratively locked out of the postponed block.

B. If the request to postpone a CCE is approved after EVOS is finalized:

- Complete a CCE Schedule Change Request Form.

** Please note: Assigned CCE's remain on a student's official schedule until the approved Schedule Change Request Form is received in the Office of Student Affairs.

It is the student's responsibility to follow up and monitor the accuracy of their educational schedule via the Peoplesoft/Student Administration system.

3: Rescheduling a Postponed CCE into Advanced Studies

- If a postponed CCE is being rescheduled into Advanced Studies, the student must participate in both the CCE and Advanced Studies lotteries for the following academic year.
- Prior to entering the Advanced Studies EVOS, the student must contact the EVOS Administrator to make arrangements for rescheduling the postponed clerkship.
- All core clinical rotations must be completed by March of the year the student is expected to graduate.

4: Attend Transition to Core Clinical Experiences & Thematic Orientation Session.

- ALL students are required to attend the Transitions to Core Clinical Experience Program before any core clinical experience can be taken regardless of when they will be participating in their first rotation. The Transitions to Clinical Years Program is a required activity and is offered once each academic year.
- ALL students are also required to attend the Thematic Orientation as scheduled regardless of which block they will begin their rotations for that given thematic section. This is a required orientation and is only offered once per thematic section.

Important:

- It is very important for students to provide adequate notice of their intent to postpone a clerkship because clerkship preceptor's schedules are finalized months prior to the start of any clerkship. As noted above, requests to postpone for USMLE test preparation must be presented TWO WEEKS prior to the start of the scheduled rotation.
- The School's thematic sections involve shared academic elements across disciplines; this is most evident in shared OSCE's, but there are also some shared assignments. Students who postpone a CCE

must take the integrated OSCE on the basis of the CCE(s) that they have completed and will receive a preliminary grade. This will allow students to move forward and apply for advanced electives and away electives in related fields even though they may not have been able to complete the postponed rotation. The grades will be finalized when the clerkships and shared elements are completed. Student will have access to the online materials during the theme so that they are available for review prior to the shared OSCE.

- Please note that course postponements may have other financial consequences for financial aid recipients. Please contact the Bursar's Office or the Office of Financial Aid for details.

Postponement of a Required Interstitial

Interstitials are required activities for all third year/core clinical students. Interstitial topics complement the required core clinical clerkships.

Interstitials are graded on a CR/NCR basis and all UMass Medical School students are required to receive credit for eight interstitials prior to graduation. Grades for interstitials are treated as are grades for all required courses.

An unexcused failure to participate in an Interstitial during the third year/core clinical experiences will result in a "no-credit" grade appearing on the student's transcript. When the interstitial has been successfully remediated, a notation that the interstitial was remediated in a single attempt from an initial failed grade will remain on the student's permanent transcript.

If a student has to miss an interstitial for reasons of physician-certified illness, death in the immediate family or other reason of comparable magnitude, the student should contact the Interstitial Coordinator, preferably in advance, and arrange to remediate the interstitial either by completing it as an advanced studies student or by completing an equivalent educational experience as determined by the specific Interstitial course director. In this case, a grade of "incomplete" will be issued and will be replaced by a grade of "CR" when the clerkship is successfully completed. If a student misses two or more interstitials during his/her third year/core clinical year, s/he will be required to take each of the missed interstitial courses during his/her advanced studies. An exception permitting alternate educational experiences may only be made by the Clinical Science Academic Evaluation Board.

Rescheduling a Required Course Activity

On rare occasion it may be necessary for a student to miss a required examination, due date for a paper, report or other course activity because of physician-certified illness, death in the immediate family, or other

reason of comparable magnitude acceptable to the course/clerkship director. When possible, the student should talk with the course/clerkship director in advance of missing the required activity. The course / clerkship director shall determine whether an exception will be granted, as well as the timing and nature of any required make-up activities.

Rescheduling or Withdrawing from an Advanced Studies Course

It is recognized that occasionally during the Elective/Advanced Studies Program it may be necessary for a student to change his/her schedule. However, changes can only be made if requested at least two months in advance of the elective's start date, and for a valid reason. Withdrawal from an elective must be approved by the coordinator of the elective before the elective will be removed from the student's schedule. If the request to drop the elective is denied, the elective will remain on the student's schedule and the student will be required to complete the elective or receive a failing grade for that elective. Dropping an elective is by mutual consent only.

Please Note:

If a student is dropping or adding an elective the paperwork must be completed and given to the Office of Student Affairs BEFORE the start date of the elective. See also Section Three: "Withdrawals, Rescheduling Required Activities: Changes or Withdrawing from Electives."

Time Away Policy from Required Core Clinical Experiences

The goals of this policy are to support student wellness, to develop more uniform management of time away requests, to foster professional communication, and to minimize administrative burden of untimely or unusual requests. Attendance is mandatory for all required core clinical experiences (includes transitions, clerkships, interstitial curricula). Students must follow the schedule of their specific clerkship site (see Weather Watch).

Vital Needs/Unplanned Absence:

- The Vital Needs/Unplanned Absence Policy applies to all clinical rotations.
- Students will be excused for acute illness, medical needs, or personal emergency (e.g. to attend a funeral) by the Clerkship Director. To maintain student privacy, students may state they have an "illness, family emergency" (which includes serious illness or death of close family member), or a "medical appointment" and are not required to disclose details. Note that childcare arrangements must be made for routine illness of children, school closures, etc., as these are not considered emergencies. Students are expected to report to work in inclement weather. Students must inform the

clerkship director and their direct supervisors as soon as possible. For chronic illness issues, please refer to the ADA policy.

- Any required make-up will be at the discretion of the clerkship director.

Planned Absence from Required Core Clinical Experiences:

- With advance notice, students will also be excused from required core clinical clerkships (Family, Internal Medicine, Neurology, OB/Gyn, Pediatrics, Psychiatry, Surgery) for up to 2 planned days for significant personal, professional or academic events (conferences, interviews, weddings, family events, religious observance, remediation of another course, etc.).
- These personal/professional days must be approved by the clerkship director and reported to the associate dean for student affairs, who will track total number of days used. Time taken for religious observance will be considered a planned absence day. The Planned Absence request policy applies only to required core clinical experiences, whether they occur in the third or fourth year of training. It does not apply to the required Sub-Internships, the Comprehensive Core Clinical Assessment (CCCA), or to Senior Electives. Neurology allows only one absence during the clerkship at the discretion of the directors; 30 days notice is required. Personal days are not permitted during sub-internships.
- Students are requested to plan absences to minimize disruption of their clerkship duties if possible. Medical appointments should be scheduled to minimize length of time away from clinical or classroom duties. A planned absence day should be used if routine medical appointment will cause student to miss the entire day. ADA policy may apply to students with frequent medical appointments due to chronic illness.
- Students must request approval for any excused absence by e-mail from the clerkship director as far in advance as possible (before course begins, ideally 30 days or more in advance). Approval for planned absences may not be granted if they are requested late, impact key clerkship components or if they create undue hardship for the clerkship. The clerkship director will notify the student, clinical supervisors, and the Associate Dean for Student Affairs if the request is approved. The Associate Dean for Student Affairs will confirm that the student has not already utilized these days.
- The Clinical Science Academic Evaluation Board (CSAEB) will review student requests that exceed the 2 day limit. Consideration will be given to support students in achieving important educational, spiritual and professional goals. Students may contact the Associate Dean for Student Affairs to initiate an appeal to the CSAEB, which meets monthly.

Clerkship directors will maintain records of all vital needs and planned absences. All Absences will be reported by e-mail to the Associate Dean for Student Affairs in order to alert faculty to patterns suggesting student distress or professionalism issues.

Make up work may be required if student misses essential educational activities for any reason. Students who miss more than 2 required workdays for any reason (planned or unplanned) must arrange make up with the course director. Each clinical course has an internal policy for developing make up plans which may vary based on course length, activities missed, and availability of additional supervision. Students must inform course directors of all absences and the course director will assign all make up activities, which may include additional projects or scheduling of additional clinical work. Course and site directors are not obligated to offer equivalent experiences or make up days on weekends, holidays. Students who do not report for a rotation or who are absent without appropriate notification to course/ clerkship director will receive a grade of "Fail" for the rotation. (See policy on Withdrawal from a Required Core Clinical Experience.)

Final Policy for Excused Absences from CCE Approved 3/14/08 revised Jan. 2011 and Nov. 14, 2011 by CYC.

Withdrawal from a Required Pre-Clerkship Course

A student may withdraw from a pre-clerkship course without academic penalty up to two weeks before the final examination or end of the course, whichever comes first. Permission to withdraw must be requested from the Basic Science Academic Evaluation Board. The student must provide the associate dean for student affairs with a written request including the reason for the withdrawal request. The associate dean for student affairs will then present the request to the Basic Science Academic Evaluation Board for approval. This action may only be taken once for any specific course. The Basic Science Academic Evaluation Board may require or permit course withdrawal at other times during the academic year. Course withdrawal will not be indicated on the transcript once the course is successfully completed.

Withdrawal from a Core Clinical Experience

Policy: Students may withdraw before the before the established withdrawal deadline of a clerkship without penalty.

These withdrawal deadlines in CCE are as follows:

- End of week 1 of a 3 week CCE (Neurology)
- End of week 3 of a 5 week CCE (Pediatrics, Psychiatry, Family Medicine, Obstetrics and Gynecology)
- End of week 6 for the 8 to 10 week clerkships (Surgery, Internal Medicine).

This decision must be made in conjunction with the Associate Dean for Student Affairs, the student's mentor and with the agreement of the clerkship directors. Permission to withdraw must be requested from the Clinical Science Academic Evaluation Board (CSAEB). This action may only be taken once for any specific clerkship. Course withdrawal will not be indicated on the transcript once the course is successfully completed.

Explanation: Withdrawals after the the above deadlines will generally be unacceptable. Students must complete the rotation and will receive a grade. In extenuating circumstances, the student may be allowed to withdraw without penalty with the approval of the clerkship director and the CSAEB. Evaluations of the student's performance in the clerkship completed prior to the time of withdrawal will become part of the student's permanent record. Generally, the student will be expected to repeat the entire clerkship. However, the clerkship director and the CSAEB may modify this requirement based on factors such as the circumstances leading to the withdrawal, the amount of clerkship completed, and the student's performance to the time of withdrawal.

Procedure: Students should write a letter outlining the reasons for requesting a withdrawal from the clerkship to the associate dean for student affairs. The request will be presented to the Clinical Science Academic Evaluation Board for consideration.

If approved the student will be required to complete a CCE Schedule Change Form.

If the Clinical Science Academic Evaluation Board is requiring a student to withdraw or postpone a CCE, the Office of Student Affairs will notify the student and the CCE Coordinator.

(Revised CYC 10/22/12)

Auditing a Pre-clerkship Course

A student may audit a pre-clerkship course only by permission of the course instructor and with the approval of the associate dean for student affairs. The student must register for the course as an auditor with the Registrar's Office. When the student meets with the course coordinator, the course coordinator will inform the student which activities of the course the student may participate in (i.e. lectures, small groups, use of CAI equipment, labs). Usually, auditors will not be permitted to sit for examinations or be required to write papers. Exceptions may be made by the course coordinator. No grade will be recorded on the student's transcript for an audited course. A student registered for a course as an auditor may not change his/her status in that course to receive course credit. A student must be enrolled in a minimum of 12 credits in order to audit a course.

In the case of a student who is already enrolled in one or more courses for a semester and who elects, in addition, to audit one or more courses, there is no change to billing or fee schedules as a consequence of the audited course/s.

Exam Policy FOM 1 and FOM 2

To create an environment comparable to licensure exams and to maintain the integrity of the examination itself, the bubble sheet, pencils/pens, a simple hand-held calculator, and the exam itself are the only items to be used during exams. The use of electronic devices (MP3 players, iPods, cell phones, PDA's, lap tops, and any devices capable of recording, retrieving or transmitting text, numbers, images or sound) are prohibited without the explicit approval of the instructor.

(Approved by the First and Second Year Curriculum Committees 03/06)

Evaluation of Courses

Evaluations of Course and/or Clerkship - Completed By Student

Each student is REQUIRED to submit to the Office of Educational Affairs completed final evaluations for every course and/or clerkship. A student will not receive a final grade for the course and/or clerkship until he/she submits completed evaluations to the Office of Educational Affairs. To insure confidentiality, a student's NT login will be retained when an on-line evaluation form is submitted; however, student names will not be associated with specific responses-only summary tables will be provided.

Evaluations of Electives - Completed By Student

Each student is REQUIRED to submit to the Office of Educational Affairs a critique of each elective taken, whether for credit or non-credit. Student will not be given the evaluation of his/her performance in an elective until he/she returns a completed critique of that elective. The completed critique will be kept on file in the Office of Educational Affairs as a reference for the elective's department as well as for future students choosing elective programs.

Evaluation of Students

Principles of Evaluation

I. Purpose of Evaluations

Evaluations are meant to provide both students and faculty with accurate appraisals of the students' learning of the subject matter. They are to be used by the Academic Evaluation Boards in making decisions about academic advancement, remediation, or dismissal, and they provide the associate dean for student affairs with meaningful information for use in the writing of the Medical Student Performance Evaluation (MSPE). The student's mentor of record will also receive a copy of the mentee's grades and evaluations.

II. Principles Underlying Evaluations

UMMS does not rank students within their class and therefore requires that evaluations of performance be based on criteria of competence, rather than on predetermined statistical curves. Thus, the evaluation system is designed to promote a spirit of cooperation and to eliminate unhealthy competition between students.

III. Conflict of Interest by Evaluators

Policy Statement:

In order to ensure that there is no conflict of interest between the roles of faculty and resident physicians functioning as physicians or therapists and the roles of faculty and resident physicians in academic evaluation and promotion, the designated director of a course or health delivery service is responsible for a plan to ensure that health professionals who provide psychiatric/psychological counseling or other sensitive health services to a medical student must have no involvement in the academic assessment or promotion of the medical student receiving those services.

To view the entire policy on Sensitive Medical and Counseling Care of Students see Student Health section of the handbook.

(Approved by EPC 02/06/12)

IV. Pre-Clerkship Evaluations

Performance ratings in pre-clinical courses are usually based on results of written or oral examinations, papers or other written assignments. Narrative evaluations may also be prepared to provide information which is not obtainable through the examination process or not apparent in the performance ratings, and which may be pertinent to the student's overall record. This information is helpful in assisting the Academic Evaluation Board, in providing the student with a more comprehensive assessment of his/her strengths and weaknesses, and in aiding in the preparation of the Medical Student Performance Evaluation (MSPE). Examples of themes which appear in the narrative comments are: progress in learning the subject matter, the nature of extenuating circumstances which might have influenced performance, and the pursuit of independent research or projects.

V. Pre-Clerkship Performance Ratings

It is the responsibility of each course coordinator to distribute to each student on or about its first day of classes a syllabus which contains a description of the evaluation tools and procedures to be used. This is to include the relative weight of each examination and a statement defining the levels of proficiency required to attain each of the ratings. Ratings which are used by UMMS courses include:

- **CREDIT - PASS**

Indicative of totally acceptable and competent work;

- **CREDIT MARGINAL - LOW PASS**

Work of uneven or consistently borderline quality. This grade appears on the transcript as “Credit” however a student is allowed to carry only one such grade into the clerkship years. Any additional credit/marginal course grades must be remediated.

- **NO CREDIT**

Work of unacceptably low quality; failure to submit required work will result in a No Credit grade for the course unless the student receives an approved extension.

- **INCOMPLETE**

A temporary designation indicating that a final rating is not yet available although the course has ended. This rating is used at the discretion of the course director with the approval of the Basic Science Academic Evaluation Board (BSAEB) such as in cases where the course work is incomplete due to physician-certified illness, death in the immediate family, or a reason of comparable magnitude. If an Incomplete grade is granted, the incomplete work must be made up in the time frame specified by the course coordinator. If no time frame is specified, the work must be made up in a prompt and orderly fashion within one year. Extensions to this one-year limit may be granted by the course coordinator with the approval of the Basic Science Academic Evaluation Board. If a student is carrying two or more grades of Incomplete, the student’s academic record will be reviewed by the Basic Science Academic Evaluation Board.

- **HONORS**

Prior to academic year 2010/11, a grade of Honors was indicative of exceptional and clearly outstanding performance. Please note that this grade was discontinued with the LiNC curriculum.

An asterisk (*) accompanying any grade indicates that this rating has resulted from a single attempt to remediate an initial course rating of NC (No Credit) or F (Failing).

VI. Clerkship Evaluations

Students doing clerkship rotations shall be evaluated as objectively as possible for competence in each of the following three areas:

1. Knowledge - This may be assessed through written examinations, through evaluation of clinical performance with regard to the ability to apply and integrate facts, and through evaluation of the ability to discuss and relate facts about particular cases in the setting of conferences and rounds.

2. Skills - This refers to the student's capacity to function effectively in areas such as clinical decision-making, physician-patient relationship, the carrying out of procedures, and formulation of various diagnostic and therapeutic courses of action.
3. Attitudes - Students are also judged as to their overall maturity, their professionalism, their ability to relate to staff and patients, and their ability to adapt to the pressures and responsibilities of medical practice.

Additional Guidelines for Clerkship Evaluations

Each clinical discipline is expected to define the relative importance of the various measures used to assess knowledge, skills and attitudes, as well as to define the nature of the procedures to be used in arriving at final performance ratings. This is to be described in writing to the students at the beginning of the rotation. While each discipline is allowed flexibility in evaluating students, based upon the uniqueness of that specialty, the following guidelines are to be used:

- A poor initial performance on a single written final examination should not, in and of itself, result in a rating of "Fail." Assuming that other areas of performance are deemed satisfactory, an "Incomplete" is to be assigned until the student has the opportunity of retaking the test.
- A second poor performance on a written examination or an initial poor performance on more than one clerkship component may result in a grade of "Incomplete," "Below Expected Performance," or "Fail" at the discretion of the clerkship director or grading committee.
- If a student fails to pass an exam or course component after two attempts, the course director may require additional tutorial or clinical work, may change the format of the exam, or may require partial or complete course repeat. Only one attempt to pass a course by course repeat is allowed.
- All clinical grades must be Expected Performance or above to graduate.
- If a student has accumulated two or more Incomplete grades, the Clinical Science Academic Evaluation Board may vote to require the student to stop progress until one or more grades is remediated or to take other actions.
- Students with a particular handicap or learning disability shall be afforded every reasonable means of meeting the specific requirements of any course according to ADA guidelines.

VII. Clerkship Performance Ratings

It is the responsibility of each course coordinator to distribute to each student on or about the first day of classes a syllabus which contains a description of the evaluation tools and procedures to be used. This is to include the relative weight of each examination and a statement defining the levels of proficiency required to attain each of the ratings.

Ratings used by UMMS courses include:

- **OUTSTANDING**
Indicative of exceptional and clearly outstanding performance;
- **ABOVE EXPECTED PERFORMANCE**
Meets most, but not all, requirements for “Outstanding;”
- **EXPECTED PERFORMANCE**
Indicative of totally acceptable and competent work;
- **BELOW EXPECTED PERFORMANCE**
Work of uneven or consistently borderline quality, less than “Expected Performance,” but possibly remediable through additional work or re-examination. Any grades of “Below Expected Performance” or “Fail” in a Core Clerkship must be remediated to at least an “Expected Performance” to fulfill graduation requirements. The remediation of one or more clerkships may be required prior to taking fourth-year electives.
- **FAIL**
Unacceptable work of low quality;
- **INCOMPLETE**
A temporary designation indicating that a final rating is not yet available although the course has ended. This rating is used at the discretion of the course director with the approval of the Clinical Science Academic Evaluation Board such as in cases where the course work is incomplete due to physician certified illness, death in the immediate family, or a reason of comparable magnitude. Requests for a temporary grade of incomplete must be made to the course coordinator prior to the end date of the clerkship or elective. If an Incomplete grade is granted, the incomplete work must be made up in the time frame specified by the course coordinator. If no time frame is specified, the work must be made up in a prompt and orderly fashion within one year. Extensions to this one-year limit may be granted by the course coordinator with the approval of the Clinical Science Academic Evaluation Board. If a student is carrying two or more grades of Incomplete, the

student's academic record will be reviewed by the Clinical Science Academic Evaluation Board.

An asterisk (*) accompanying any grade on a student's transcript indicates that this rating has resulted from a single attempt to remediate an initial course rating of NC (No Credit) or F (Failing).

VIII. Elective Evaluations

- For all electives on a student's schedule within the UMass system: The Registrar's Office will automatically send an evaluation form [electronically] to the Elective Coordinator for completion. The evaluation will be emailed midway through the elective.
- For all electives on a student's schedule outside the UMass system (External Electives): The Registrar's Office will email an evaluation form to the student. It is the student's responsibility to give this Evaluation Form to the elective coordinator for completion.
- For all International electives, students should obtain an evaluation form from the Registrar's Office before they leave for the elective. Students should have the elective coordinator complete the evaluation form and bring the completed form back to UMass.

Timing of Evaluations

Final evaluations for students in all pre-clerkship courses should be presented to the Registrar and the Associate Dean for Student Affairs in a timely fashion, usually no later than 15 working days following the final meeting or the final examination of a given course. Evaluations and narrative summaries for clerkship courses should be presented to the registrar and the associate dean for student affairs in a timely fashion, no later than six weeks following the completion of the clerkship or elective.

Make-ups of exams, papers, reports and/or other course activities which have been missed because of physician-certified illness, death in the immediate family, or other reason of comparable magnitude may occur within the time period of the course or following the course, as decided by the course coordinator. If, by pre-arranged agreement of the course/clerkship coordinator and the student, the make-up is not completed before the date for submission of performance ratings, then an INCOMPLETE rating will be submitted. If an Incomplete grade is granted, the incomplete work must be made up in the time frame specified by the course coordinator. If no time frame is specified, the work must be made up in a prompt and orderly fashion within one year. If a student is carrying two or more grades of Incomplete, the student's academic record will be reviewed by the appropriate Academic Evaluation Board. All pre-clerkship work must be successfully completed prior to beginning the first clerkship.

Review of Evaluation Criteria

The appropriate curriculum committee will periodically review written criteria for assigning final grades in each course. The intent of this requirement is to ensure that each course has well established, written criteria which are distributed to the student at the beginning of each course.

Academic Evaluation Boards/Review of Academic Records

Students' academic records are monitored by two Academic Evaluation Boards, a Basic Sciences Academic Evaluation Board and a Clinical Sciences Academic Evaluation Board. Each Board includes the coordinators of each course as well as ex-officio members. It is each Board's responsibility to periodically review student academic records, to recommend students to the Progress Board for academic advancement, remediation or dismissal, to consider any extenuating circumstances which may have contributed to academic performance, and to determine the nature and process of academic make-up and remediation, if possible, for students who have not satisfactorily completed all academic requirements.

Advisors/Mentors: A copy of the student's academic record and of any pertinent letters or email are also sent to the student's advisor/mentor. Advisor/mentors do not take part in promotion decisions except at the student's request, as an advocate. Records are sent to advisor/mentors so that advisor/mentors may provide maximum help and consultation to their advisees/mentees.

Adverse Recommendation

(As defined in Sec. 2.2 of the school's Appeal Policy)

An adverse recommendation is a recommendation of either the Basic Science Academic Evaluation Board or the Clinical Science Academic Evaluation Board to the Progress Board to have the student (1) repeat a whole semester or an entire year; (2) enter a less than full-time or other program which will delay the student's time of graduation, (3) take a leave of absence at the initiative of the Board rather than of the student, or (4) be dismissed.

Progress Board

The Progress Board is a standing subcommittee of the Educational Policy Committee (EPC) consisting of 9 members: 5 clinicians and 4 basic scientists which meets ONLY when a recommendation of the Basic or Clinical Science Academic Evaluation Board which is considered an "adverse recommendation" is made (see definition above). This Board will recommend remediation or repetition of courses, entry into a less than full-time program (when this request is not made by the student), or dismissal, to the Dean of the School of Medicine.

Requirements for membership on the Progress Board:

- Senior member of the faculty (associate professor or above)
- NOT a current course coordinator and has not been a course coordinator for at least 12 months before date of appointment. Faculty members who teach in a course but are not the course coordinator may be members of the committee.
- A member of the committee who has a relationship to the student as a mentor must recuse him/herself from voting in any decision about that student.
- If the case concerns a particular course, faculty teaching in that course must recuse themselves from voting in any decision about that course.

Members are appointed by the dean of the School of Medicine. Faculty may apply for this position to the dean. If an insufficient number of faculty apply, the dean shall appoint the members from the general faculty. Members of the Progress Board will select their own chair; the position of chair may be different for different cases but will be the same for the duration of a case. The member serving as Chair will continue to have a vote. The role of the chair will be (1) to convene and conduct the meetings and (2) to report the findings of the Board to the dean of the School of Medicine and to the appropriate Academic Evaluation Board. Decisions of the Board will be by majority vote; the standard used will be “preponderance of the evidence” rather than the criminal standard of “beyond a reasonable doubt.”

If the Basic or Clinical Science Academic Evaluation Board makes an Adverse Recommendation, this recommendation will be presented by the chair of that Academic Evaluation Board to at least 3 of the 9 members of the Progress Board of which at least 2 members are basic scientists if it is a basic science issue or at least 2 are clinicians if it is a clinical years issue. The members of the Progress Board who are hearing a case will not include any member of a course involved in the adverse recommendation of the Evaluation Board and will not include any mentor of the student. At least 3 of the members of the Progress Board must meet to decide on a given case.

When a Progress Board is to be convened because of an Evaluation Board or Honor Board recommendation or due to an issue concerning the school’s Criteria for Academic Review and Advancement, the associate dean for student affairs shall notify the student at minimum by email in time to provide at least 10 working days notice before the date on which a board is convened. The associate dean for student affairs will inform the membership of Progress Board of the need to meet and will assist in arranging meetings but will not participate in deliberations or voting.

The Progress Board will receive the minutes of the AEB meeting(s)

and any other pertinent information and may call on the chair or other members including ad hoc members (e.g. the associate dean for student affairs) for clarification of process and issues. A student must be invited but is not required to attend any Progress Board meeting at which an adverse recommendation is being considered. The student must be notified by the associate dean for student affairs in writing by hard copy or email that the Progress Board is meeting to consider a case in which the student is involved at least 10 days before the meeting. Furthermore, any student may request to meet with the Board. If the student wishes to meet with the Board, the student's request must be given in writing to the associate dean for student affairs at least two working days prior to the Boards' meeting. A student who elects to meet with the Progress Board may bring an advocate into the hearing room with him or her. In a case in which no criminal charges are pending, the advocate can be any member of the university community. However, no parties shall be represented by legal counsel (this restriction includes faculty members and students other than the accused student who also have formal legal training). The role of the advocate is to assist the student in presenting his/her side of the case as effectively as possible. If criminal charges are pending, the student may bring an attorney as an advocate and the University may also choose to be represented by legal counsel.

Criteria for Academic Review and Advancement

A. Overview

- Promotion from the FOM1 to the FOM2, and from FOM2 to the Core Clinical Experiences is determined by the Basic Science Academic Evaluation Board. Advancement within the CCE and AS years, and recommendation for graduation are the province of the Clinical Science Academic Evaluation Board.
- The Basic Science Academic Evaluation Board meets approximately quarterly during the academic year; the Clinical Science Academic Evaluation Board convenes approximately monthly with executive meetings being held as necessary. It is the responsibility of each Board to review a student's entire record, taking into consideration the overall pattern and quality of a student's academic performance. It should be emphasized that the recommendations of the Boards and actions of the Progress Board, ranging from unqualified promotion to dismissal, are based upon assessments of academic and technical competence and upon qualitative, ethical and behavioral criteria.

- Any recommendation made by either Academic Evaluation Board that are considered an adverse recommendation; including requiring a student to (1) repeat a whole semester or an entire year; (2) enter a less than full-time or other program which will delay the student's time of graduation, (3) take a leave of absence at the initiative of the Board rather than of the student, or (4) be dismissed must be presented to the Progress Board.

B. Academic Review and Advancement During the Pre-clerkship Years

In general, a student whose internal record shows no ratings of CREDIT/MARGINAL or NO CREDIT and less than two ratings of INCOMPLETE does not require individual review.

Specific requirements for advancement are:

Promotion from FOM1 to FOM2:

1. Completion of all required courses for FOM1; no unremediated rating of NCR. Students who have received more than one rating of CRM will be reviewed by the BSAEB and Progress Board (if necessary) to determine whether or not they can progress for each course to FOM2.
2. Course coordinators for each course will establish prerequisites for progression to that course or block of a course. Students who have satisfied the prerequisites will be permitted to progress to that course or course block.
3. Students who have not satisfied all requirements to go on to FOM2 may be permitted to take one or more blocks of FOM2 occurring in the first academic year. This promotion to FOM2 is on a provisional basis. In order to continue progression in FOM2 students must satisfy all requirements to move to FOM2 by the start of the second academic year.

Promotion from FOM2 to Core Clinical Experiences (CCE):

1. Completion of all required courses in FOM1 and FOM2, no unremediated ratings of NO CREDIT, no ratings of INCOMPLETE and not more than one unremediated rating of CREDIT/MARGINAL.

Students meeting these requirements are eligible for advancement unless additional information brought to the attention of the Board (e.g., demonstration by the student of qualities of character or personality which are incompatible with a career as a physician) requires further deliberation and action.

- A student whose record shows an INCOMPLETE rating shall be reviewed for the purpose of ensuring completion of the INCOMPLETE rating.

- A student whose internal record shows one INTERNAL CREDIT/MARGINAL rating, shall be encouraged, but not required, to remediate that rating to CREDIT or better.
- A student whose record accrues two CREDIT/MARGINAL ratings shall be reviewed for the purpose of prescribing remediation of at least one of the CREDIT/MARGINAL ratings, or other appropriate action, including possible mandatory program extension.
- A student whose record accrues three CREDIT/MARGINAL ratings may be required to remediate all three of them, and may, in addition, be placed on a mandatory program extension.
- A student whose record shows one rating of NO CREDIT, either alone OR in combination with one CREDIT/MARGINAL rating shall be reviewed, required to remediate the NO CREDIT rating(s) and considered for possible mandatory program extension.
- A student whose record shows one rating of NO CREDIT and two ratings of CREDIT/MARGINAL shall be reviewed and considered for:
 - a.) remediation of all NO CREDIT ratings and possible mandatory program extension.
 - b.) repetition of the entire academic year.
- A student whose record accrues two or more NO CREDIT ratings
 - or - one NO CREDIT and three CREDIT/MARGINAL ratings
 - or - four CREDIT/MARGINAL ratings,shall be reviewed and considered for:
 - a.) remediation of all CREDIT/MARGINAL or NO CREDIT ratings and possible mandatory program extension.
 - b.) repetition of the entire academic year.
 - c.) dismissal without an opportunity for further remediation.

- Program extension (please see “Extended Program” Section of the Handbook). A medical student will be considered to be on “Extended Student” status (“ES”) when that student’s anticipated year of graduation is more than four academic years from the academic year of admission.

The change in student status will be effective from the date at which the student begins the action which will extend the program (i.e. withdraws from a required course, begins a leave of absence to do research or other enrichment program, enrolls for fewer than the usual full load of courses). Program extension may include a period of academic leave, either to bring the student’s schedule back into synchrony with the curriculum or to require or allow specific support activities (e.g., counseling, tutoring, reading or other background courses, etc.).

C. Academic Review and Advancement During the Clinical Years

The Core Clinical Experience (CCE) and Advanced Studies (AS) constitute the clinical portion of the curriculum. Prior to the core clinical experience, the student is assigned by computer match to thematic sections. Similarly, an approved subinternship and a clerkship in Neurology are scheduled during the fourth/Advanced Studies year/s, in addition to *electives chosen by the student. (*Advanced Studies beginning in AY 2013/14).

Required Clinical Rotations

- If a BELOW EXPECTED PERFORMANCE rating has been assigned in a required clerkship, the Clinical Science Academic Evaluation Board shall review the student’s progress and require remediation which may include repetition of a portion of the clerkship, repetition of the entire clerkship or the taking of an additional clerkship in the appropriate area.
- If a FAILING rating has been assigned in a required clerkship, the Clinical Science Academic Evaluation Board shall review the student’s progress and/or require remediation which will include repetition of the clerkship or the taking of an additional clerkship in the appropriate area.
- If a student is carrying two or more grades of INCOMPLETE, the student’s academic record will be reviewed by the Clinical Science Academic Evaluation Board which may recommend modifications in the student’s academic program.

- If more than one BELOW EXPECTED PERFORMANCE rating, or any combination of BELOW EXPECTED PERFORMANCE and FAILING ratings are assigned in required clerkships, the Board shall review the student's progress and require repetition of the less than EXPECTED PERFORMANCE clerkships.
- If a student is carrying more than one grade of BELOW EXPECTED PERFORMANCE or FAIL, in a required clinical rotation the Clinical Science Academic Evaluation Board may recommend modifications in a student's academic progress.

Comprehensive Core Clinical Assessment (CCCA)

- Any student who does not fulfill "competency" performance standards on the CCCA, will be provided with a second opportunity to meet "competency" performance standards.
- A CCCA Performance Evaluation Group will be formed as a standing subcommittee of the CSAEB to determine and oversee the planning and assessment for any student who does not fulfill "competency" performance standards on the CCCA.
- For each student not meeting "competency" standards on the CCCA, the CCCA Performance Evaluation Group will develop an individualized educational plan tailored to the student's particular area(s) of weakness/need.
- After completion of the individualized educational plans, all students must complete an CCCA Retest.
- The CCCA Retest will be developed under the oversight of the Performance Evaluation Group and will be administered no later than January of the year following the CCCA.
- Students' performance outcomes from the CCCA Retest will be reviewed and signed off by the CCCA Performance Evaluation Group.
- For the student who does not demonstrate "competency" standards on the CCCA Retest, performance of "not meeting competence" on the CCCA will be reported to the student and the CSAEB.

- The student may submit an appeal regarding the CCCA and the CCCA Retest grade to the Performance Evaluation Group.

Advanced Studies Electives

- If one BELOW EXPECTED PERFORMANCE rating is assigned in an elective, the Board shall recommend, but not require, remediation.
- If more than one BELOW EXPECTED PERFORMANCE rating or any FAILING rating is assigned in elective courses, the Board shall require repetition of the less than EXPECTED PERFORMANCE electives or substitution of other appropriate electives to meet the 24 week minimum.
- If a BELOW EXPECTED or FAILING rating is assigned in an elective and the 24 week minimum is fulfilled by substitution of another appropriate elective rather than by direct remediation of the original elective, the grade of BEP or F in that elective will remain on the student's permanent transcript.

The Clinical Science Academic Evaluation Board shall recommend students to the Dean of the Medical School for receipt of the MD degree based on completion of all of the requirements for the MD degree as found in "Section ONE: Academic Programs."

Remediation Policies

1. All remediation efforts must receive prior approval of the appropriate Academic Evaluation Board.

For clerkship & elective courses:

- i.) In required clerkships, remediation of BELOW EXPECTED PERFORMANCE grades may include repetition of all or part of the clerkship or the taking of an additional clerkship in the appropriate area.
- ii.) In required clerkships, remediation of FAILING grades will include repetition of the clerkship and/or the taking of an additional clerkship in the appropriate area.

- iii.) For electives, remediation of BELOW EXPECTED PERFORMANCE ratings or FAILING ratings or substitution of other appropriate electives to meet the 24-week minimum requirement as required by the Clinical Science Academic Evaluation Board.
- iv.) If a BELOW EXPECTED PERFORMANCE rating is due entirely to performance on a written examination, but clinical performance has been EXPECTED PERFORMANCE, the rating may be remediated by re-examination at a later date.

For the Comprehensive Core Clinical Assessment (CCCA):

- i.) Any student who does not fulfill competency performance standard on the CCCA, will be provided with a second opportunity to meet competency performance standards. (see: Clinical Competency Requirement policy).
2. Only one chance to remediate a less-than-CREDIT/EXPECTED PERFORMANCE rating by repetition of the course is allowed. Students attempting a remediation by course repeat are not eligible to take the remediation exam following this course repeat. If a student fails to obtain a grade higher than the initial grade by repetition of the course, the original grade will stand. If the original grade was a NO CREDIT/FAILING or BELOW EXPECTED PERFORMANCE in a required clinical course, or if the grade results in another condition subject to dismissal the student will be subject to dismissal, as described in the Criteria for Academic Review and Advancement.
 3. A course may not downgrade a post-remediation rating as a penalty for a previous performance.
 4. The grade which shall be recorded on a student's transcript following a successful attempt to remediate an Internal CREDIT/MARGINAL or BELOW EXPECTED PERFORMANCE rating by examination can only be CREDIT. If the CREDIT/MARGINAL/BELOW EXPECTED PERFORMANCE rating is successfully remediated by repetition of the course, the result which can be recorded may be the appropriate course grade, including EXPECTED PERFORMANCE (EP), ABOVE EXPECTED PERFORMANCE (AEP), or OUTSTANDING (O).
 5. The grade which shall be recorded on a student's transcript following a successful attempt to remediate a NO CREDIT rating by examination can only be CREDIT (CR). If the NO CREDIT or FAILING rating is successfully remediated by repetition of the course, the result must be recorded as the appropriate preclinical or clinical course grade, such as CR, or AEP. Grades remediated from a NO CREDIT or FAILING

rating will also be noted on the transcript.

Dismissal

The Progress Board may recommend to the Dean of the Medical School that a student be dismissed. Circumstances which may warrant dismissal include:

- A student's record which shows failure to remediate successfully to CREDIT/EXPECTED PERFORMANCE or better, any rating of less than CREDIT/EXPECTED PERFORMANCE for which remediation was required (e.g. all Below Expected Performance (BEP), No Credit (NC) and Failing (F) grades must be successfully remediated to Credit (CR) or Expected Performance (EP).
- A student's record which simultaneously shows two or more NO CREDIT/FAILING ratings or one NO CREDIT/FAILING and three CREDIT-MARGINAL/BELOW EXPECTED PERFORMANCE ratings or four CREDIT-MARGINAL/BELOW EXPECTED PERFORMANCE ratings.
- A student's record which shows in its entirety an accumulation of five or more ratings below CREDIT/EXPECTED PERFORMANCE, irrespective of any remediation (i.e., a history of five or more ratings of CREDIT-MARGINAL/BELOW EXPECTED PERFORMANCE or NO CREDIT/FAILING is sufficient grounds for dismissal even if the student has previously remediated some of the ratings to CREDIT/EXPECTED PERFORMANCE or better.
- Demonstration by the student of qualities of character or personality which are incompatible with a career as a physician, including behavior judged to be illegal, unethical, or so objectionable as to be inconsistent with suitability for the medical profession (see Technical Standards for Medical School Admission, Continuation and Graduation).
- A student who does not fulfill requirements in the competency areas for Medical Education as defined by the faculty of the Medical School.

Appeal Policy (Medical Student)

(1) Background

The Basic Science Academic Evaluation Board and the Clinical Science Academic Evaluation Board are charged with reviewing the progress of all medical students. From time to time, these Boards find it necessary to make recommendations to the Progress Board which may recommend to the dean of the Medical School an extended period of study or otherwise affect a student's progress. A student

may, on occasion, feel such decisions are unfair in some way. This document outlines the procedures associated with filing an appeal.

Students are encouraged to try all other routes for resolving differences before resorting to the filing of a formal appeal. Students should seek the counsel and help of the Office of Student Affairs and consider such an appeal only after all alternative routes have been explored.

An appeal alleges a mistake in the facts relied upon for the decision or that the facts support different action by the Progress Board.

(2) Definitions

2.1. Academic Evaluation Board. The Academic Evaluation Boards are the bodies charged with evaluation of the progress of students and with making recommendations either for promotion, for some remedial program or for dismissal.

The Basic Science Academic Evaluation Board monitors progress in the first two (Pre-clerkship) years and the Clinical Science Academic Evaluation Board monitors the last two (Clerkship) years.

2.2. Progress Board. The Progress Board is a subcommittee of the Educational Policy Committee (EPC) consisting of 9 members: 5 clinicians and 4 basic scientists which meets ONLY when a recommendation of the Basic or Clinical Science Academic Evaluation Board which is considered an “adverse recommendation” is made.

2.3. Adverse recommendation. An adverse recommendation is a recommendation of either the Basic Science Academic Evaluation Board or the Clinical Science Academic Evaluation Board to the Progress Board to have the student (1) repeat a whole semester or an entire year; (2) enter a less than full-time or other program which will delay the student’s time of graduation, (3) take a leave of absence at the initiative of the Board rather than of the student, or (4) be dismissed.

2.4 Appeal. An appeal is a formal request for reconsideration of a decision. This document addresses appeals filed by students in regard to promotion and dismissal or any adverse decisions. A grade which does not affect promotion or retention may not be appealed beyond the Chair of the Department. Appeals related to issues of Affirmative Action are handled by a specific procedure for such problems (cf. University of Massachusetts Medical School Discrimination Complaint Procedure HR Policy #06.05.10). The appeal must be in writing and state (i) the factual and/or procedural basis for the appeal and, (ii) the resolution the student seeks.

2.5. Senior Faculty Member. A Senior Faculty Member is a member of the faculty at the rank of Associate or Full Professor and participating regularly and significantly in the formal medical curriculum.

2.6. Standing Academic Appeal Committee. The Standing Academic Appeal Committee is a standing committee of the faculty appointed to aid the dean in evaluation of appeals. The committee shall consist of four senior faculty members, two from basic science departments and two from clinical departments. No member of an Academic Evaluation Board can serve concurrently on the Standing Academic Appeal Committee. The committee shall choose a Chair within as expeditious a time frame as practical, usually within ten working days of its constitution. In the event that the committee cannot agree on a chair, the dean shall select one from the committee. In the event of a conflict of interest on the part of a member of the Standing Academic Appeal Committee when issues relating to a specific student arise or in the event that a committee member will not be available given the constraints of time associated with prompt evaluation of an appeal, the Dean shall appoint a substitute. Where practical, the substitute shall be chosen so as to preserve the existing balance of the committee.

2.7. Ad Hoc Academic Appeal Committee.

The Ad Hoc Academic Appeal Committee is a committee constituted to aid the Dean in decisions involving non-procedural issues which may result in dismissal. It consists of the members of the Standing Academic Appeal Committee supplemented by a senior faculty member appointed by the Dean from a list of three senior faculty members submitted by the student as part of the written document outlining the appeal. The Dean shall screen this appointee for a possible conflict of interest in issues involving the student in question and the Dean shall confirm that the appointee will be available as required for expeditious evaluation of the appeal. The Chair of the Standing Academic Appeal Committee shall serve as Chair of the Ad Hoc Academic Appeal Committee.

(3) Process for an Appeal

In order to file any appeal, the student must produce some evidence of error beyond the student's simple assertion that the Grade Granting Unit or Board was wrong. For example, if a student disagrees with the grade assigned by a Grade Granting Unit, the student should discuss the issue with the faculty coordinator of the relevant course, clerkship or elective and request a reconsideration by the grading committee if that option is offered by the coordinator.

In the event of unsatisfactory resolution of the issue by the grade granting unit, the student has the option to request a reconsideration by the chair of the relevant department or departments for interdepartmental courses.

The appeal to the chair of the department is made by writing a letter to the chair outlining the reasons for disagreeing with the grade. The chair will convene a small group of faculty, not including the course coordinators, who will review the grade and may interview the student and the course coordinators in coming to a determination.

Once a decision has been made the chair will inform the student of the outcome by letter. A copy of that letter will also be sent to the associate dean of student affairs who will inform the appropriate Academic Board.

An appeal to the Dean of the Medical School/Academic Appeal Committee may be made only if the grade has an impact on promotion or dismissal. For example if a grade results in a requirement for repeating a course or other action resulting in a requirement for program extension, it may be appealed in this way.

(4) Procedure for Review of an Appeal

4.1. General. The particular procedure depends upon the nature of the appeal. The alternatives are identified by number and are listed in the sections below. Throughout the process of the appeal, the student will receive information about the progress of the appeal from the office of the associate dean for student affairs and/or directly from the office or committee reviewing the appeal.

4.2. Procedure I - Program Extension or Repeating of Courses. If the recommendation of the Progress Board involves the student entering a less than full-time program or repetition of a whole semester or an entire year, the recommendation must be implemented within a reasonable period of time so that the student will be able to take the courses while they are still available. Procedure I is intended to be as expeditious as practical consonant with a fair and reliable evaluation. A student wishing to file an appeal related to such a decision must do so in writing to the dean of the School of Medicine within 10 working days of receipt of notification of the decision of the Progress Board. The appeal should be sent to the associate dean of student affairs.

The dean of the School of Medicine will refer it to the Standing Academic Appeal Committee for review. This Committee shall evaluate the appeal and report its finding to the student, the Progress Board, and the Dean, within as expeditious a time frame as practical, consonant with a fair and reliable evaluation, usually within 20 working days. A majority vote of the Standing Academic Appeal Committee is required to recommend reversal or revision of a decision of the Progress Board. If the Committee vote results in a tie, the Progress Board's decision shall be upheld. In the event that the Committee

disagrees with the Progress Board, the Committee's report shall include a recommendation for correction. The dean shall review this recommendation and forward it (with any appropriate modifications) within as expeditious a time frame as practical, consonant with a fair and reliable evaluation, usually within 10 working days of receipt to the Progress Board which shall follow the dean's directions to remedy the appeal.

4.3. Procedure II - Dismissal. When the appeal relates to a recommendation of the Progress Board for dismissal, the student must notify the associate dean for student affairs of the intent to file an appeal. This must be done in writing within 10 working days of receipt of the notification of the decision of the Progress Board. The student's notification of intent to file an appeal may include a list of three senior faculty members from which the dean of the Medical School may choose the ad hoc member of the Ad Hoc Academic Appeal Committee. If no list is submitted, the dean shall appoint an ad hoc member of his/her choosing. Within 20 working days of receipt of the decision of the Progress Board, the student must file the written appeal.

The dean of the School of Medical shall review this document and take one of the following three actions. (1) If the dean deems the appeal to be without merit, the dean shall reject the appeal. (2) If the Dean determines that the entire appeal deals with a procedural error, the Dean may accept the appeal and set in motion a mechanism for redress. (3) If any or all of the appeal deals with a non-procedural issue, the Dean shall constitute an Ad Hoc Academic Appeal Committee which shall review the written record, hear the student in person and, at the student's option, hear one advocate chosen by the student from among students, faculty or administration. In addition, the Ad Hoc Academic Appeal Committee shall make a reasonable effort to include participation of all persons it, the student, the dean, or any member of the faculty shall deem appropriate and necessary for a full evaluation of the case.

In the case of a dismissal on the basis of academic performance, allegations of academic dishonesty or disciplinary action in which no criminal charges are pending, no parties shall be represented by legal counsel (this restriction includes faculty members who also have formal legal training). In the case of dismissal on the basis of academic dishonesty or disciplinary action, a student may submit a written statement drafted by an attorney and that statement will be considered by the Ad Hoc Academic Appeals Committee before a final decision is issued. A student subject to dismissal who faces criminal charges arising from the same facts shall be permitted to select as his or her mentor an attorney, without regard to whether the attorney is a member of the campus community. This right to have an attorney present (at the student's expense) will also apply when, in

the judgment of the Ad Hoc Academic Appeals Committee, it appears likely that such charges will be filed.

The chair of the Ad Hoc Academic Appeal Committee shall have the right to limit witnesses and testimony to that which the chair deems relevant to the issues at hand. The chair may also meet informally with any parties to the dispute to identify points on which both sides agree and thereby streamline the hearing itself. The student shall have the right to hear all testimony and to see all evidence introduced as part of the review process (however, in the event that the evidence should contain information relevant to other students, their identities shall not be disclosed to the student). The student shall be allowed five working days to prepare and submit a written rebuttal of any testimony presented at the hearing. After all the testimony and evidence have been presented, the Ad Hoc Academic Appeal Committee shall meet to evaluate the issues raised in the appeal and the hearing. A majority vote shall constitute a decision. The student may not be present during these deliberations.

The Ad Hoc Academic Appeal Committee shall render its recommendations to the dean of the Medical School within as expeditious a time frame as practical, consonant with a fair and reliable evaluation, usually within twenty working days. In the event that the Ad Hoc Academic Appeal Committee disagrees with the original decision, the dean shall ask the Progress Board to reconsider its decision. The Progress Board shall respond to the Dean within five working days of its next meeting. The dean shall then evaluate the case, reviewing all the written evidence in the case and interviewing the student and the student's advocate (if the student so desires). In particular, in the event of a disagreement between the Progress Board and the Ad Hoc Academic Appeal Committee, the dean shall make the final evaluation of the appeal and, if it is indicated, effect a mechanism for redress. This decision of the dean shall be final.

In the event that the Ad Hoc Academic Appeal Committee supports the original decision, that decision shall be final.

(5) Protection

No student shall be penalized for having filed an appeal.

Every effort shall be made to meet all time limits set forth in these procedures. However, with the exception of the time limit for filing an appeal, all time limits may be extended at the discretion of the Dean of the Medical School. The time limit for filing an appeal may be extended only in those instances where the Dean finds that there are extreme extenuating circumstances justifying such an extension and that the appeal process will not be unduly burdened as a result.

Advanced Standing

Given the integrated model for our courses and curricular framework, requests for advanced standing will be considered on a case by case basis. Under the oversight of the associate dean for undergraduate medical education, requests for advanced standing in a given course will be reviewed by the respective curriculum committee and subject to approval by the designated course co-leaders.

Requests for advanced standing should be directed to the associate dean for undergraduate medical education.

Certification For Graduation

The Registrar certifies that each candidate for graduation from the Medical School has completed all academic requirements and all administrative requirements of the Institution. No student may graduate who has outstanding fees or fines (i.e. tuition, loans, library books, parking fees or tickets). Final determination that the student has satisfied academic requirements rests with the appropriate faculty academic evaluation board.

Certification Process:

- Three months prior to Commencement, the registrar conducts a degree audit of the academic records of all candidates for graduation.
- The week prior to Commencement, students are required to come to the Registrar's Office for final certification.

Early Certification For Graduation:

- Permission of the Associate Dean for Student Affairs is required for early certification for June graduation.
- The student is responsible for completing all certification requirements and obtaining all signatures.
- Students are still subject to university policies and procedures regarding graduation (e.g., diplomas may be held for non-payment of fines incurred after completing early certification).

Deadlines:

- For early certification dates prior to April 1: Notification deadline is Dec. 15.
- For early certification dates after April 1; Advance notice is not required but students should allow sufficient time to complete all required signatures for the certification process.
- The certification date will be recorded as the date of completion.

Students are not eligible for financial aid after the completion date. Repayment or grace period for student loans begins at the date of completion.

Students must complete an early Certification for Graduation form and will be required to obtain all necessary signatures from all departments before submitting this form to the Registrar's Office for approval.

Credit Hour Definitions

The University of Massachusetts Medical School, which consists of its School of Medicine, Graduate School of Nursing and Graduate School of Biomedical Sciences, fulfills the following Federal definition of a credit hour:

"Except as provided in 34 CFR 668.8(k) and (1), a credit hour is an amount of work represented in intended learning outcomes and verified by evidence of student achievement that is an institutionally established equivalency that reasonably approximates not less than:

(1) One hour of classroom or direct faculty instruction and a minimum of two hours of out-of-class student work each week for approximately 15 weeks for one semester or trimester hour of credit, or 10 to 12 weeks for one quarter hours of credit, or the equivalent amount of work over a different amount of time;

- or -

(2) At least an equivalent amount of work as required in paragraph (1) of this definition for other academic activities as established by the institution, including laboratory work, internships, practica, studio work and other academic work leading to the award of credit hours."

Faculty and Student Notifications:

The credit hour assignments will be included in the appropriate student handbook and they will be provided to the Office of Faculty Affairs for inclusion in the orientation program for new faculty. It will also be presented at relevant curriculum committee meetings to ensure faculty awareness.

Credit Hour Assignments

Existing Curriculum:

Each grade-granting course is assigned credits based on the following process, which builds on standard educational benchmarking and local expertise in curriculum development and expectations for clinical work:

- Year 1-2 foundational curricula: approximately 15 classroom hours and two out-of classroom hours per classroom hour/semester (minimum 45 hours) = one credit

- Years 2-4 core clinical and elective experiences: one week = one credit
- Year 3-4 required sub-internship: one week = two credits

The Credit-Hours Work Group (CHWG) will present the slate of course credit hours annually to the relevant curriculum sub-committee of the Education Policy Committee (EPC) for review and endorsement, and to the full EPC at the request of the EPC curriculum sub-committee.

New Course Development:

Newly approved courses will apply this metric to confirm appropriate credit.

Adjustment:

- The CHWG will be convened annually three months before the start of the academic year to review any need to adjust policy or procedure, and on an ad hoc basis throughout the year as time sensitive issues arise. These meetings will be called by the CHWG chair, the associate dean for undergraduate medical education.
- The credit-hours work group consists of the associate deans for undergraduate medical education and student affairs, chairs of the EPC curriculum sub-committees, chair of the Basic and Clinical Sciences Academic Evaluation Boards, the registrar and the financial aid director.
- A sub-committee with expertise in elements unique to the MD/PhD program will meet annually and as needed to address credit-hour issues related to that program. This MD/PhD CHWG will be comprised of the Dean of the GSBS, the Associate Dean for Undergraduate Medical Education, the Chair of the relevant EPC sub-committee, MD/PhD leadership, the associate dean for student affairs and other content experts as necessary.
- The policy will be posted on the EPC website.

Credit Hour Audit Process

The Associate Dean for Undergraduate Medical Education in the SOM, the Dean of the GSBS and the Dean of the GSN will annually supply a list of all credit granting courses to the Associate Dean for Allied Health and Interprofessional Education Programs (the “Associate Dean”), who will randomly select two courses from each of the three schools for an audit to determine credit hour compliance with this policy. The Associate Dean will formally notify each of these three individuals concerning the initial results of this audit. If there is a disagreement concerning the findings, the Associate Dean will meet with the individual for further discussion. The Associate Dean will report his final audit conclusions to the Provost.

(Approved by EPC 12/08/11)

Extended Program

Most students at the University of Massachusetts Medical School will complete their course of study in four years. However, students may wish to pursue opportunities for research, other academic enrichment such as international programs, completion of work toward another degree, or may experience child care responsibilities, financial, health, personal or family problems. In addition, students may occasionally experience academic difficulty. For any of the above reasons, students may request program extension, or be recommended for program extension by the appropriate Academic Evaluation Board.

As of May 2, 1995, the following policy regarding Extended Students will apply. This policy will apply to matriculated UMass Medical School, School of Medicine students only.

A medical student will be considered to be on “Extended Student” status (“ES”) when that student’s anticipated year of graduation is more than four academic years from the academic year of admission. The change in student status will be effective from the date at which the student begins the action which will extend the program (i.e. withdraws from a required course, begins a leave of absence to do research or other enrichment program, enrolls for fewer than the usual full load of courses).

School policy requires a student to take a minimum of eight (8) semesters of enrollment and allows for a maximum of 12 semesters of enrollment in medical student courses to complete the MD degree. Students MUST be registered for a minimum of twelve (12) credit hours for that semester by two weeks before the start of the semester and must maintain a minimum enrollment of 12 credit hours during the semester in order to maintain active student status (eligibility for course credit, malpractice insurance, financial aid, etc. “See; Matriculating Student Status” and “Number of Years to Complete the MD Degree.”

Students should be aware that in many states, extended status will result in automatic review by the Board of Registration when the initial license is applied for. Because this may result in a minor time delay, students on Extended Status are therefore advised to apply for their temporary license as soon as feasible.

In addition, students should understand that in many states not more than seven (7) years may elapse between the initial passing of Step 1 of the USMLE and the taking of Step 3. Current information on this may be obtained at the Federation of State Medical Boards (FSMB) web site http://www.fsmb.org/usmle_eliinitial.html.

Students enrolled for any medical school courses for credit, including students on ES status will be assessed the full medical school tuition

for each semester of enrollment.

The first semester in which the student is enrolled for medical school courses for credit after completing eight full semesters of assessed UMass Medical School tuition, excluding any prior semesters for which a Post Sophomore Fellowship tuition waiver was received (such as the “Pathology year”), the student’s status will change to “Extended Student/ Program Fee” (“ESPF” status).

Extended Students and the Financial Ramifications

Students in ESPF status will not be assessed tuition and will be required to pay a program fee plus all applicable student fees. Students in ESPF status will be considered full time, active, matriculated medical students. A student may continue in ESPF status for a maximum of four semesters.

A semester for which only partial tuition was paid (i.e. a semester during which the student withdrew and received a pro-rated tuition rebate) will not be credited toward the four full semesters of assessed UMass Medical School tuition.

Students transferring from other medical schools will not be eligible for ESPF status until they have completed eight full semesters of assessed UMass Medical School tuition.

Please see “Criteria for Academic Review and Advancement and Office of the School Bursar” for more information.

Fifth Year Option for the MD Degree

The Fifth Year Option requires extension of the educational program for completion of the MD degree, including a minimum of 12 credits per semester for up to two semesters.

This option is not intended for students who are required to extend their program in order to complete courses required for the regular MD degree (e.g. decelerated students, students remediating courses, or students who took a leave during their regular program).

The option is under the oversight of the Office of Student Affairs and will be overseen by the associate dean for student affairs.

Common reasons for application for entry into the Fifth Year Option:

- extended international experience
- extended research experience
- extended clinical experience

Requirements for completion of Fifth Year Option:

- Students may elect to enroll in the option for one or two semesters.
- Extension of a one semester into a two semester option is permissible with approval of CSAEB (if, for example, a research project is found to take longer than anticipated). If the option extends into the second semester, the student is required to successfully complete a minimum of 12 credits during the second semester.
- A minimum of 12 credits must be taken per semester of enrollment.
- Students must fulfill educational objectives s/he set out in his/her proposal.
- Students will be held to the same standards of academic and professional behavior as during the regular MD program.
- Students beginning this option will not be eligible for the MD degree until they have completed the Option as approved.
- Failure to successfully complete this option once approved and begun may result in consequences up to and including dismissal.

Opportunities to apply:

- Students may apply for the Fifth Year Option at any time after matriculation; the expectation is that most proposals would be made at the end of the third or beginning of the fourth year.
- Proposals must be submitted to the CSAEB for approval by April 30 of the year preceding the fifth year of enrollment (e.g. by April 2013 for entry into the Option in AY 13/14).

Application process:

Student must meet with:

- His or her Learning Community mentor.
- Associate dean for student affairs or designee.
- Appropriate sponsor/s.
- Research mentor if a research proposal.
- Specialty advisor if specialty field has been chosen; otherwise the LC mentor letter of support will be used.
- Director of financial aid or designee.
- Others as determined by the associate dean for student affairs.

Applications must be submitted in writing to the associate dean for student affairs containing:

- Student's description of his/her option including educational goals/ objectives and stating whether this is a one semester or two semester proposal.
- Letter of support from mentor.
- Letter from the director of financial aid or designee attesting that student understands the financial ramifications of application for this option.

Option details:

- Enrichment courses may be started during fourth or next to last year of enrollment, with required courses completed during fifth or graduation year.
- A single semester option may be completed in fall or spring semester.
- Students may be eligible for federal financial aid – see financial aid director for details.
- Institutional gift aid will not be made available to Fifth Year Option students.

Approval will be by the CSAEB; CSAEB may choose to appoint a sub-committee to pre-review all proposals and recommend action before voting by the entire committee.

Courses taken to fulfill the requirements for the option will be noted in the MSPE and on the transcript.

(Approved by EPC on 6/4/2012) (revised 012714)

Leave Of Absence

A leave of absence is a temporary interruption of studies for one or more semesters; generally not for more than one year, except in the case of students pursuing joint degrees at UMass or in conjunction with another degree-granting program. A student on an approved leave of absence prior to the start of the semester will not be assessed tuition and fees, although the student may choose to maintain his/her health insurance coverage by paying the appropriate fee. All other students are assessed a refund of tuition and fees based on the date of withdrawal and whether or not he/she is a Title IV Financial Aid recipient. Leaves of absence may have other financial consequences for financial aid recipients. Please refer to the Bursar and Student Financial Aid sections of the Medical School Student Handbook or contact the Bursar's Office or the Office of Financial Aid for details.

I. STUDENT INITIATED

A student in good academic standing may, at any time, request a leave of absence for a specified period of time not to exceed one year.

A. Administrative Leave of Absence

A student in good academic standing may, at any time, request a leave of absence for a specified period of time not to exceed one year. The request must be made in writing (e-mail from the UMass email account is acceptable) to the Associate Dean for Student Affairs, who will bring the request to the appropriate Academic Evaluation Board for consideration. The appropriate Academic Evaluation Board will determine whether or not such a leave of absence is to be granted, whether or not it can be renewed, and what, if any, conditions for readmission will be set.

B. Medical Leave of Absence

A student in good academic standing may request a medical leave from the appropriate Academic Evaluation Board with a supporting letter from his/her physician or therapist. Medical leaves are normally for a period not to exceed one year, although they may be extended after review by the appropriate Academic Evaluation Board.

If the medical reason for the leave is expected to be a simple, acute, self-limiting condition, e.g. pregnancy, injury, the request and supporting letter from the physician or therapist should be sent to the Associate Dean for Student Affairs, who will present it to the appropriate Academic Evaluation Board. If a second medical leave is requested for the same condition, it will automatically be considered to have become more complex (see below).

If the medical reason for the leave is expected to be chronic or more complex, the student must apply for the leave through the Academic Accommodations/Achievement Committee (AAC), which will review the case and will present it to the appropriate Academic Evaluation Board for consideration once the committee feels it has enough evidence to support a medical leave.

C. Parental Leave: Maternal, Paternal, Adoptive, etc.

Students may request leaves, with or without extensions of their academic program, to fulfill parental responsibilities. Requests should be discussed with the associate dean for student affairs and will require approval of the appropriate Academic Evaluation Board (Basic or Clinical).

II. SCHOOL INITIATED

A student with academic deficiencies may, under certain circumstances, be placed on an administrative leave for a specified time, either to bring the student's schedule back into synchrony with the curriculum, or to require or allow specific support activities (e.g., counseling, remedial reading or other background courses, etc.)

- A student appealing a Board recommendation which makes that student ineligible to progress academically shall be placed on an administrative extension during which the student will be ineligible to attend classes and will not be charged tuition for the semester which begins while the situation is under appeal. The tuition refund policy will apply for changes to administrative extension that occur during a semester.

RETURN FROM A LEAVE OF ABSENCE

- Return from a medical leave requires a supporting letter from the student's physician or therapist and approval of the Board.
- The student is responsible for contacting the appropriate depart-

ments to make any necessary arrangements before returning to school. More specifically, the student must contact the Registrar Office thirty (30) days prior to the start of courses to make arrangements for the pre-registration of classes. In addition, for a student returning to a clinical year, the Office of Student Affairs must be notified no later than January 31 in order to participate in the appropriate core clinical or fourth year/advanced studies EVOS. Students will not be permitted to take required sub-internships until all prerequisites have been successfully completed. Students participating in financial aid programs must also contact the Office of Financial Aid for specific details.

- A student who fails to attend the Medical School regularly or fails to return from a leave of absence, in spite of notification by the associate dean for student affairs, will be considered to have withdrawn voluntarily from Medical School and cannot be reinstated without positive action of the Committee on Admissions.

Matriculating Student Status

Students must be registered for a minimum of twelve (12) credit hours for that semester by two weeks before the start of the semester and must maintain a minimum enrollment of 12 credit hours during the semester in order to maintain active student status (eligibility for course credit, malpractice insurance, financial aid, etc.)

Number of Years to Complete the MD Degree

The majority of students will complete our curriculum in four years. School policy requires a student take a minimum of eight (8) semesters of enrollment and allows for a maximum of twelve (12) semesters of enrollment is permitted for completion of the MD degree. Program extension to more than the usual 4 years/8 semesters of enrollment may be requested by a student or required by the Progress Board.

A student in good academic standing may apply to the appropriate Academic Evaluation Board for program extension or leave of absence after consultation with the associate dean for student affairs at any time during his/her medical school program until requirements for graduation have been completed. The request for an extension or leave of absence must be made in writing (email is acceptable only from UMass student email account) and must include a description of the student's proposed program. (See: Extended Program)

A leave of absence during which the student remains matriculated but is not actively enrolled may be requested by a student or required by an Academic Evaluation Board.

Conditions for a leave of absence are as follows:

A leave of absence for personal or medical reasons is normally for a

period not to exceed one year and may be renewed only by the appropriate Academic Evaluation Board on appeal by the student.

- Students in our combined MD/PhD are by definition on leave during their research time, but are not required to apply annually for extension of their leave and are not held to the 4 year maximum by the SOM. Any maximum on-leave time devoted to dissertation research for MD/PhD students will be determined by the Graduate School of Biomedical Sciences.
- Students pursuing another degree (e.g. MPH, MBA, etc) or participating in a program at an external agency or institution must get approval from the appropriate Academic Evaluation Board and reapply for extension annually of their leave. The same appropriate Academic Evaluation Board reserves the right to reverse its permission to pursue another degree or participate in a program at an external agency or institution.
- The number of years of leaves of absence shall not exceed two academic years (4 semesters) unless the student is pursuing another degree either at UMass or through a previously approved program at an external agency or institution.

A student will be considered to be making satisfactory progress towards the MD degree if the following percentage of the curriculum is met:

- End of first year of enrollment 10% of curriculum
- End of second year of enrollment 20% of curriculum
- End of third year of enrollment 30% of curriculum
- End of fourth year of enrollment 50% of curriculum
- End of fifth year of enrollment 75% of curriculum
- End of sixth year of enrollment 100% of curriculum

Percentage of curriculum completed will be calculated based on the percentage of the curriculum which would normally be completed in 4 years.

Exceptions to the maximum number of years (6 enrollment/2 leave) can be made only in circumstances of extraordinary medical or personal hardship, on appeal to the appropriate Academic Evaluation Board.

6/10 approved by the Educational Policy Committee (EPC)

Praise Report

A praise report is a narrative statement praising a student sent to the Associate Dean for Student Affairs, who will send a copy to the student. While it is often helpful to receive personal praise, a face-to-face meeting of the person filing the praise report and the student is not required. Praise reports will be placed in the student's file and may be mentioned in the MSPE.

(revised 012714)

Withdrawals

Voluntary Withdrawal

A student may withdraw voluntarily from the Medical School at any time upon written application to the associate dean for student affairs. A student who is withdrawn is not guaranteed readmission. Application for reinstatement must be received in writing at least two months prior to the date of requested readmission and must be approved by the Committee on Admissions. The level of reinstatement within the curriculum will be determined by the appropriate Academic Evaluation Board.

Administrative Withdrawal

A student may be administratively withdrawn from the University if, after due notice, the student fails to satisfy an overdue financial obligation to, or to comply with certain administrative requirements of, the campus of the University of Massachusetts at which the student is registered. Conditions warranting Administrative Withdrawal include failure to comply with administrative requirements such as failure by a student to satisfy an overdue financial obligation to the University, consisting of tuition, loans, fees, library (charges), or other student charges, including orientation, student activities, health services, failure to comply with other administrative requirements, such as the submission of health forms, etc., forgery, fraud, or falsification of information on any official University form or document, such as student grade report, recommendation, (transcripts), etc. At the Medical School, such failure is considered a violation of the Professionalism policy.

The appropriate administrative official, including an assistant registrar, may recommend in writing to the registrar that a student be administratively withdrawn from the University. An attempt to resolve the matter must have been made by the administrative official by mailing to the student at his last known address a written notice of the proposed recommendation for withdrawal and the reasons therefore, such matter not having been successfully resolved with 14 calendar days of the mailing of said notice. If the registrar is satisfied that the conditions warranting administrative withdrawal have been satisfied, he/she shall send a certified letter to the student at his/her last known address setting forth the recommendation for withdrawal and the reasons therefore, and notifying said student that he/she may within fourteen calendar days after said letter is mailed request a hearing on the matter. If the student does not request a hearing or take action satisfactory to the Registrar to resolve the matter within the time allotted, the registrar shall administratively withdraw the student from the university no sooner than the 15th calendar day following the mailing of the notice provided for. If the student requests a hearing, it will be held by an appointed subcommittee of the appro-

ropriate Academic Evaluation Board.

Any student who has been administratively withdrawn may at any time during the semester in which the withdrawal was made make arrangements with the Registrar for the resolution of the matter. Upon such a resolution satisfactory to the Registrar, the Registrar shall forthwith reinstate the student to active enrollment status. Any student who has attempted to resolve the matter but has failed to satisfy the registrar may petition for reinstatement by mailing or delivering to the associate dean for student affairs a written statement why the student believes himself/ herself entitled to reinstatement. This statement will be reviewed by a subcommittee of the appropriate Academic Evaluation Board. The determination of whether a reinstated student shall receive credit for the period for which he/she was withdrawn shall be made by the instructor for each course involved.

SECTION FOUR:

HONOR SOCIETY/RESIDENCY APPLICATIONS

USMLE EXAMS

Alpha Omega Alpha

The University of Massachusetts Medical School was granted a Chapter of the honor medical society, Alpha Omega Alpha (AOA) in 1996 (Delta of Massachusetts). Election to AOA is an honor in medical schools, comparable to election to Phi Beta Kappa as an undergraduate, and is the only National Medical Honor Society in the world.

Unlike other honors given out by the school at the time of graduation, election to AOA is accomplished in time to receive mention in the Medical Student Performance Evaluation (MSPE), which is used to evaluate graduating students applying for residency positions. AOA is an organization that performs service, as well as an honorary organization. Chapters in some schools are quite active in organizing community outreach and service programs, similar to other programs at UMass carried out by various student organizations.

Student Membership

To be eligible for election to AOA, students must be in the academic top quartile of the class. Determination of students in the upper quartile will be based on a combination of clinical grades and Step one Board scores; grades from the first 2 years will not be used. From among these students, up to 1/6th of the graduating class may then be elected to membership. For example, in a graduating class of 125, up to 31 are considered for membership, of whom up to 21 are then elected to membership by a vote of the AOA members at UMass Medical School

(the “AOA selection committee.”) Election is based not only on academic performance, but also on qualities of character, contributions to medicine and society, and the promise of future achievements in medicine. In addition, a limited number of faculty (3), alumni (3) and house officers (3) can also be elected yearly. While national criteria also allow election of a limited number of students during their junior (third) year, UMass currently only elects students during the summer or early Fall preceding their graduating year.

The process of student election to AOA is as follows:

1. The names of students in the top quartile of the class are provided to the AOA selection committee by the Office of the associate dean of students, in collaboration as needed with the officers of AOA (president, vice president, secretary, councilor), in alphabetical (not ranked) order. The ranking list is then disposed of and not used for any other purpose.
2. The AOA selection committee, which is made up of current members of AOA from the faculty and house staff, is provided with information about each eligible student’s background, academic performance, and participation in extracurricular activities such as research, community service and medical school student and faculty activities (such as Student Body Committee or Medical School committees).
3. Election of new members is accomplished by vote of the AOA selection committee, after careful review based on this information and personal knowledge.

Alumni, Faculty and House-Staff Membership

Up to three alumni members may be chosen by ballot from a list of UMass graduates who have graduated at least 10 years previously, have made significant contributions to medicine, science and/or the community, and have been nominated by AOA members. Up to three Faculty members may be also chosen by ballot from among those nominated by AOA members; and up to four house staff members may be chosen from those nominated by UMass program directors.

Volunteer Faculty Award

Each year the entire graduating class has the opportunity to select a volunteer (non-salaried) faculty member for a special award, given at the AOA awards ceremony prior to graduation.

Student Fellowships and Awards

Each year, all medical students in the first three years of medical school are eligible for several awards:

- **The Student Research Fellowship**
Provides \$5,000 for the support of a proposed research project,

and \$1,000 to travel to a meeting to present the results. The Medical School may submit one nomination; in past years UMass students have successfully won these Fellowships. Applications must be submitted to the AOA Councilor by December 2013, for consideration.

- **The Medical Student Service Project Award**

Any student or group of students in the first 3 years may submit an application for a service project benefiting the medical school or the community. The medical school can submit one proposal per year; successful candidates receive \$2,000, and may renew for a second year for \$1,000, or a 3rd year for \$500. The applications must be submitted by Jan. 30 2014, to be considered.

- **The Student Essay Award**

This is an essay on any non-technical aspect of medicine, such as medical ethics, education, philosophy, culture, science, history, etc.

- **The Pharos Poetry Competition**

Any student may submit a poem to AOA for publication in the Society's magazine, "The Pharos."

- **AOA Visiting Professorship**

The UMass Alpha Omega Alpha chapter has the opportunity every year to invite a nationally distinguished physician to spend one day at the Medical Center, give a public talk and a scientific lecture, and visit with interested students and faculty. C. Everett Koop and Judah Folkman have been AOA visiting professors at UMass.

Electronic Residency Application Service (ERAS)

ERAS is the electronic residency application service from the Association of American Medical Colleges.

ERAS is made up of four components: the Web-based Applicant site (called MyERAS), the Dean's Office Workstation (DWS), the Program Director's Workstation (PDWS) and the ERAS Post Office (ERASPO). ERAS opens in early July and can be accessed through the AAMC Web site (www.aamc.org). ERAS is accessible using a token number. This token number will be sent to students by the Office of Student Affairs usually in June. Students should contact the Office of Student Affairs if they do not receive a token number and plan to participate in the Match.

The Office of Student Affairs is responsible for attaching supporting documentation (Medical Student Performance Evaluation (MSPE), letters of recommendation, photo, etc.) to the ERAS application. Residency programs are able to download this information by connecting to the ERAS Post Office using their program directors workstation.

Program directors can review, sort and print applications using criteria established by their program. Students are able to track the status of their application through the ADTS (Applicant Document Tracking System) in ERAS.

Medical Student Performance Evaluation (MSPE)

The Medical Student Performance Evaluation is an important part of a student's application for a postgraduate internship/residency position. In accordance with guidelines drafted by the AAMC, the letter is primarily descriptive rather than a personal letter of recommendation.

In addition to the student's grades (which are also contained in the student's transcript), the MSPE includes paragraphs describing some of the student's achievements prior to coming to Medical School, selected research, school and community service activities during Medical School, and descriptions of clinical performance excerpted from narratives written by clinical clerkship and elective coordinators. The letter concludes with an endorsement at a level decided by a faculty committee.

The faculty of the University of Massachusetts Medical School have established these guidelines for the level of endorsement of their graduates for the Medical Student Performance Evaluation. These ranks may be considered as overall appraisals of student performance by a committee of the faculty, but they should not be considered as representing "quartiles" of performance. As these are criterion-based rather than competitive norm-based rankings of students, it is theoretically possible for all students to be considered as "outstanding" or as "good." We consider this endorsement to represent the student's performance as it will reflect functioning in a clinical position; therefore significantly more emphasis is placed on clinical than on preclinical academic performance. Because qualities other than purely academic average are also considered, the difference in academic averages of students between continuous ranks is small and may even overlap. Factors other than academic performance that may be considered at all levels of endorsement include special interpersonal skills and characteristics considered necessary for effective functioning as a physician, outstanding research or social service participation, or unusual strengths in the student's chosen clinical field.

Summaries of these criteria:

Outstanding: Reserved for those students who have earned ratings of "Outstanding Performance" in most or all of the required core clerkships and whose clinical performance has been consistently above the expected level. These students' preclinical knowledge is also strong, as represented by a Step 1 score usually in the top 50 percent nationally.

Excellent and Potentially Outstanding: Those students who have done quite well and earned grades of “Outstanding” in the majority of required core clerkships. This student has successfully completed all preclinical coursework and has passed USMLE Step 1 with a score of at least 200. Often this student shows increasingly strong performance as third-year clerkships are completed and fourth-year status is attained.

Excellent: These students have done very well academically, receiving grades of “Outstanding” or “Above Expected” grades in the majority of required core clerkships. This student has successfully completed all preclinical coursework and has passed USMLE Step 1. This student is considered highly competent.

Very Good and Potentially Excellent: The student has received a mixture of “Outstanding, Above Expected Performance and “Expected Performance” grades in core clerkships or electives and has successfully completed all preclinical coursework as well as passed Step 1 of USMLE. This student has achieved a solid academic performance.

Very Good: The student has successfully completed all coursework, generally at an “Expected” or “Credit” level. This student may have received ratings of “Outstanding” or “Above Expected Performance” in electives but generally has not received them in core clerkships.

Good: The student has met all requirements. Performance is considered acceptable at the current time.

Recommended: The student is considered competent to progress to postgraduate training but has needed significant additional support or has required a longer time to master both basic science and clinical skills.

(N.B.: Any grade of “No Credit” (preclinical) or “Fail” (clinical) must be remediated; a successful remediation from these grades will be noted on the transcript. In addition, any grade of “Below Expected Performance” in a clerkship must be remediated. All clinical remediations from any previous grade are discussed in the body of the Medical Student Performance Evaluation).

All clinical remediations from any previous grade are discussed in the body of the Medical Student Performance Evaluation).

The Medical School utilizes the AAMC guidelines for composition of the MSPE. In addition, the following guidelines were approved by the Executive Council of the Faculty in April, 1987 and amended subsequently:

1. Each student will be given the opportunity to read his/her letter before it is sent out and discuss it with the associate dean for student affairs or the associate dean for the office of undergraduate medical education.
2. Students will not be placed in categories of endorsement through any predetermined percentages, statistical curves, or class rankings.
3. Scores on Steps I and II of the United States Medical Licensing Examination will be mentioned in the letter only at the student's request.
4. The letter will attempt to describe those themes which characterize and typify the student's overall academic performance. Thus, negative comments will not necessarily be mentioned unless they are part of a pattern of performance.

National Resident Matching Program (NRMP)

URL: www.nrmp.org

The function of the National Resident Matching Program is to allow senior medical students seeking positions in the first year of graduate medical education and institutions offering positions an opportunity for each to submit a rank list to the NRMP specifying their order of preference. Virtually all of the nation's hospitals and graduating medical students participate in the NRMP. The NRMP compiles this information to generate a "match" for the student and the residency training program using an applicant-proposing algorithm. The "matching" process is accomplished through the NRMP computer system. All NRMP correspondence is coordinated through the Office of Student Affairs.

Registration for the Match as well as submission of each student's "Rank List" is done through the NRMP Web site: (<http://www.nrmp.org>). Registration for the Main Match is a three-step, on-line process including completing a registration form, agreeing to the Terms and Conditions of the Match and payment of a registration fee. An e-mail address will be necessary for the NRMP to communicate quickly and easily with you if necessary. Students can register with the NRMP in September. In early February of the senior year, students will enter their rank list by computer through the NRMP. In March, all seniors and residency programs receive the results of the computer matching process. A match generated through the NRMP is a BINDING agreement to attend that program. Please visit the NRMP's Web site (<http://www.nrmp.org>) for more specific information pertaining to the NRMP matching process including important dates, deadlines and policies.

USMLE Requirements for Match participation:

Students are required to have passed USMLE Steps 1 and 2 CK in order to participate in the National Residency Match Program (NRMP). If a student does not have a passing score recorded in both examinations by the last date for submission of rank lists, the student's name will be withdrawn from the Match by the associate dean for student affairs on the date the Match closes for rank list submission.

United States Medical Licensing Examinations (USMLE)

The United States Medical Licensing Program administers a series of examinations. Most states accept passing of these examinations as a means of obtaining licensure for the practice of medicine.

The University of Massachusetts Medical School requires:

- For graduating classes through 2014, successful passage of Step 1 of the US Medical Licensing Examination. Recording of a score to the Medical School for Steps 2 Clinical Knowledge and Step 2 Clinical Skills of the US Medical Licensing Examination (USMLE).
- For graduating classes of 2015 or later, successful passage of Steps 1 and 2 (Clinical Skills and Clinical Knowledge) of the US Medical Licensing Examinations.

Step I and II each consist of a one-day multiple-choice examination. They are taken at the student's discretion, subject to scheduling arrangements made directly with Sylvan Learning Systems, which administers the USMLE for the National Board of Medical Examiners. Most students will want to take the USMLE Step 1 Exam in April, after the completion of the FOM2 curriculum. It encompasses material from the following seven areas of the basic science curriculum: Anatomy, Biochemistry, Physiology, Pharmacology, Pathology, Microbiology and Behavioral Sciences. Step II is similar in format to Step I, and is usually taken during the fourth year of medical school. The subjects which are tested are the clinical sciences of Medicine: Surgery, Psychiatry, Pediatrics, Obstetrics and Gynecology, Preventive Medicine and Public Health. The Clinical Skills evaluation is an eight (8) hour exam in which students encounter 11-12 standardized patients. Each student is evaluated based on their interaction with the standardized patients, differential diagnosis and note taking. It is recommended that students sign up for this exam early in your fourth year as times/locations fill up quickly. Step III is taken during the end of the first year of residency training.

Applications for and information pertaining to the Step I, Step II and the Clinical Skills Examinations are available at the USMLE Web site: (www.usmle.org/). Students receive a report of their scores directly from the National Board. Scores are also sent to the associate dean

for student affairs and are kept in the Registrar's Office as part of each student's permanent academic record. A tabulated summary of the performance of the class for each examination, including average scores for each of the subject matters, is made available to faculty.

Please Note:

1. Students must successfully meet the School's USMLE requirements for participation in the National Residency Match Program (NRMP). See: National Resident Matching Program (NRMP).
2. Students requesting to postpone a CCE for USMLE test preparation must do so at least two weeks prior to the start of the CCE. (See: Postponing a Required Core Clinical Experience).

SECTION FIVE: UNIVERSITY POLICIES/STUDENT RIGHTS & RESPONSIBILITIES

Access, Solicitations, Demonstrations

The University of Massachusetts recognizes the rights of members of the University community to freedom of assembly and speech, and strongly believes in fostering discourse and the free exchange of ideas at the University. However, as a matter of law and University policy, these rights and interests are restricted, and must be exercised on University property in a manner consistent with the mission and operation of the University and the rights of other members of the University community.

Demonstrators will be held accountable for any actions which violate University Policy and Regulations.

Guidelines include but are not limited to:

- * Demonstrations may not include material that will disrupt or interfere with instructional activities, other University business and campus events;
- * Demonstrations may not include actual or threats of physical violence, or other forms of harassment, or destruction of University, other public or private property;
- * Demonstrations must not interfere with free entry to or exit from University facilities and free movement by individuals; and
- * Demonstrations may not interfere with the rights of other members of the University community to freedom of speech and assembly, and other rights.
- * Demonstrations are limited to appropriate public forums, which

do not include, among other locations, faculty and administrative offices, classrooms and other instructional facilities. (Public forums are locations which by tradition or policy are available for public assembly and speech – such as a student union lobby where students have traditionally gathered to debate issues.) To the extent that a public forum exists within a University building, any demonstrations within that forum shall take place only during the building’s normal operating hours.

- * Where appropriate, the University shall endeavor to maintain open lines of communication with demonstrators and to provide opportunities for discussion of matters in dispute so long as the demonstrators act consistent with University policy and the rights of others. However, as a general rule, the University shall not negotiate with individuals who occupy any University facility, or with associated demonstrators, while any such occupation continues, and shall never negotiate within an occupied facility.

These guidelines are intended to support, not supplant, existing University policy. They apply to all members of the University community, including undergraduates, graduate students and employees, as well as guests and visitors. Please see Human Resource; General Administration Policy #06.05.00 as found at <http://inside.umassmed.edu/content.aspx?id=23460>.

Access to UMass Medical School Facilities

1. UMMS facilities may be utilized to provide care and treatment of patients, to conduct research for the advancement of health care and to teach and train health care professionals. In support of these goals, the facilities may be used by the following:
 - a. Recognized internal organizations for purposes which promote the health-related, educational, research and service and development goals of the organization; and
 - b. Non-profit outside organizations which are public service or health related sponsored by a recognized internal organization and approved by the associate vice chancellor for Communications. Such sponsorships of outside organizations shall not interfere with programs or activities conducted by UMMS.
2. A recognized organization must send a request, in writing, to the Office of Communications (formerly called Public Affairs & Publications) 30 days in advance of the event or program for permission to use the facilities if an outside organization is being sponsored and will participate in the event. The outside organization must be identified in the request and its proposed participation described.
3. Commercial use of UMMS facilities is prohibited.

Please note that the entire UMMS Policy on “Access and Solicitation,” Human Resource; General Administration Policy #06.05.00 as found at <http://inside.umassmed.edu/content.aspx?id=23460>.

AIMS Committee Policy on Impaired Medical Students

The purpose of the policy on medical student impairment is to reduce the likelihood of physician impairment among University of Massachusetts Medical School (UMMS) students and graduates by identifying and treating these problems during medical school. UMMS has a responsibility to help medical students with problems that impair or threaten to impair their ability to function. UMMS also has a responsibility to assure safe care to patients treated by students. UMMS recognizes that a small number of medical students may become impaired during their medical school years or may start a pattern which could lead to impairment as a physician.

Medical students are held to the same ethical and behavioral standards as physicians during both the pre-clinical and clinical years of medical school. Untreated substance abuse or major psychiatric impairment is unacceptable to the school and is cause for administrative action up to and including dismissal.

In order to provide better treatment and rehabilitation for these students and to minimize risk to the public, the Medical School and the AIMS committee instituted the following policy:

AIMS Committee:

UMMS Aid for Impaired Medical Student Committee

A. Composition

UMMS has established a committee on Aid for Impaired Medical Students (AIMS), separate from the Hospital’s Committee on Physician Health and Well-Being.

B. Function

This committee will seek to: (a) Help medical students become free of their impairments; (b) Provide information to referred or concerned students, faculty and therapists; (c) Advocate for students who are in the process of recovery; (d) Review AIMS policies and recommend changes as necessary.

1. The primary function of the AIMS committee will be to provide information and a forum for discussion regarding the severity of a student’s problem and treatment options. The committee or committee members will be available to talk with students concerned about themselves or others, with faculty concerned about students, or with therapists treating students. Peer teaching sessions will provide information to medical students about the recognition and treatment of substance abuse problems.

2. A group composed of trained AIMS committee members may assist in interventions with medical students who have untreated impairments, should circumstances support such action.
3. If substance abuse is suspected the student will be referred to Physicians Health Services (PHS) of the Massachusetts Medical Society (MMS). They will assess the student and if necessary will assist in planning and coordinating the components of a student's treatment program. PHS will, when appropriate, assist with locating inpatient or outpatient resources and otherwise facilitate treatment, whenever possible.
4. Supporting the process of recovery through a treatment contract. PHS may decide, in conjunction with the student, that a contract that involves monitoring of the student's compliance with the treatment program is necessary. If PHS feels a contract is necessary for monitoring the student's compliance with treatment, the contract will be signed by the student and a representative of PHS. Through this contract the student agrees to participate in the treatment program. PHS, in return, agrees to advocate for the student in helping the student to continue successfully with his or her professional career, assuming that the student successfully meets the goals of the contract. Aspects of treatment which may be monitored include meetings with monitors who will be aware of the student's compliance with treatment, psychotherapy and substance abuse counseling, breath, blood or urine monitoring, and participation in a 12-step program (such as AA) or other appropriate program.
5. The AIMS committee will periodically review the policies under which it operates, and may revise the policy subject to approval by the dean of the Medical School in consultation with appropriate individuals.

For additional information or to contact Physicians Health Service, go to: http://www.massmed.org/Content/NavigationMenu6/AboutPHS/Board_Staff_PHS.htm.

Confidentiality is a strict practice of the committee. Names of impaired individuals will be known only to those members of the committee who need to know. An effort will be made not to involve faculty members in a position to generate subjective grades (small group or clerkship grades) for that student.

Entry into Involvement with the UMMS AIMS Committee

1. Self referral

A student who is abusing drugs or alcohol, or who is otherwise impaired and recognizes that he/she is having difficulty, may seek assistance from the UMMS AIMS Committee, the Student Counseling Service, the

Physician Committee on Health and Well-Being, or a private therapist.

Each student who is concerned about his/her substance abuse or behavior will be carefully evaluated to determine if a referral to Physicians Health Service (PHS) is indicated. The committee's involvement may be limited to discussion or, depending on the severity of the situation, the committee may refer to PHS for assessment, particularly in light of the evidence that some patterns of substance abuse will eventually lead to impaired performance. A multi-disciplinary treatment approach including monitoring for abstinence from alcohol or other drugs, is an essential part of the treatment.

In the case of a student presenting to the Student Counseling Service with a substance abuse problem, the counseling staff will consult with and refer to PHS, as necessary to assure optimal treatment for the student and safety for patients at UMMHC.

2. Referral by third parties

Faculty members, school administration or fellow students may seek out members of the UMMS AIMS Committee for information and review. The UMMS AIMS Committee will review information to determine whether it is necessary to initiate an interview with the student in order to evaluate the situation further; information will be carefully reviewed for indications of repeated behavior, severity and the potential for patient and student harm. The purpose of this interview will be to determine whether the student is impaired, or potentially impaired, by substance abuse or psychiatric problems and to assist the student in recognizing the problem and the need for help if a problem is identified. The UMMS AIMS Committee will use this meeting to express a commitment to aid the student, and explain the evaluation and treatment resources available. Confidentiality will be maintained, as required by law, as long as the student is not perceived to represent an imminent danger to patients, to him or her self, or to others.

Consequences of Involvement in the Program

Confidentiality is of utmost importance in order to protect the student and to assure the continued success of therapeutic programs in helping students.

Some students who consult the committee will not require a treatment contract. In these cases, administrative reporting is unnecessary. In general, a student who self initiates participation in treatment and monitoring overseen by PHS will not be reported to the associate dean of student affairs. Such reporting will only be done if the student is not in compliance with a contract, or if the committee feels that there may be risks to patients, UMMS or to the student. In certain circumstances, the associate dean of student affairs will have made the initial referral and will therefore be aware of the student's participation.

Successful participation in a treatment or monitoring program by a self-referred student generally will not be reported in the Medical Student Performance Evaluation (MSPE). However, if the original impairment was severe enough to come to the attention of an evaluation board or to be reflected through grades or comments in the student's transcript, the program to which the student is applying will be made aware of the original problem and the student's progress. This may be accomplished through the Medical Student Performance Evaluation (MSPE) or through a supplemental letter. If the student is in compliance with a contract or has successfully completed treatment, PHS would be available to act as an advocate on that student's behalf.

If the student is not in compliance with a contract (voluntary or mandatory), or PHS feels that patient welfare may be compromised, as for example in the case of a student who has not been monitored for a sufficient length of time, the student will not be supported in an application to a postgraduate program at that time. Therefore, if a student believes that he/she needs help, it is advisable that the help of PHS be sought as soon as possible.

The University shall distribute the following statement for inclusion in materials related to residency applications by all students:
"It is the policy of the University of Massachusetts Medical School not to provide information regarding medical leaves of absence."

Following acceptance into a residency or graduate training program of a student whose compliance is being monitored or who is in a contract, PHS will strongly recommend that the student report his/her involvement in the contract to the Impaired Physician Committee of the state or the hospital to which the student has been accepted and to the residency training director. Responsibility for further contracting and monitoring will be transferred to the receiving state or hospital Impaired Physician Committee upon the student's graduation from UMMS.

Lack of success in treatment

If, in the opinion of PHS, the student appears to be demonstrating poor compliance, or treatment does not appear to be leading to a level of recovery sufficient to assure student, UMMS, or patient protection, PHS may require a change of treatment, such as inpatient treatment, in order for the student to remain in compliance with a contract. In the event that no options appear to be successful, PHS will inform the associate dean of student affairs or his/her designee of the student's difficulty in successfully completing treatment.

Further action will rest with the associate dean of student affairs and the Dean of the Medical School and may include requiring a leave of absence or dismissal from the school.

Alcohol Policy

All members of the University of Massachusetts community shall abide by the laws of the Federal Government, the Commonwealth of Massachusetts, the regulations of the Alcohol Beverages Control Commission and local ordinances and regulations relative to the possession, consumption, distribution, transportation, manufacture and sale of alcoholic beverages or products, on land or premises owned or occupied by the UMMS. (Trustee Document T97-112) Students must also be in compliance with Alcoholic Beverages on Campus policy 1.2.01 from the vice chancellor of operations (copy of this policy is available in the Office of Student Affairs).

Alcohol can be consumed on the campus of the University of Massachusetts at Worcester only by students of legal drinking age at University-sponsored student events in designated areas.

Any student-sponsored event that includes alcoholic beverages must be reviewed and approved through the vice chancellor of operations.

Student sponsored events shall prohibit under-aged drinking, excessive drinking, and shall stress safety and individual accountability by those who choose to drink. No advertisement, sale or promotion of alcoholic beverages of any kind is permitted on campus. Outdoor public drinking on premises owned, occupied or controlled by the University of Massachusetts is forbidden, except at University-sponsored events in designated areas. The University will take disciplinary action against any student who violates federal, state, city or University regulations.

In summary:

- There is no advertisement involving alcohol for any event.
- Students cannot sell individual drinks (if a caterer is hired, the caterer may sell individual drinks using its license.
- Students cannot serve anyone who is underage.
- Students cannot serve anyone who is intoxicated.
- Students must also provide and display equivalent non-alcoholic drinks (for example; cans of soda if cans of beer are being offered, or pitchers of non-alcoholic beverage if pitchers of beer are being offered. Students cannot set up a situation where the beer is free and to get a non-alcohol drink the student has to purchase it out of a machine.)
- Students MUST stay in the designated area, Students CANNOT take alcohol outside of the [designated area, [e.g. student lounge], (i.e. NO drinking outside the building or in the lobby or in the halls).

Further, the University will provide educational programs for the campus community relative to the dangers of alcohol use/abuse.

These programs will be provided by the academic departments as part of required courses in all three schools. The Student Health Service and Counseling Service will provide information about counseling and treatment programs for individuals in need of such intervention.

Americans with Disabilities Act

According to the Americans with Disabilities Act (ADA) a disability is defined as an impairment that substantially limits one or more of the major life activities of an individual; a record of such an impairment; or, the perception that one has such an impairment.

The University of Massachusetts Medical School is firmly committed to providing full access to individuals with disabilities. In so doing, UMMS intends to fully comply with the Americans with Disabilities Act (ADA) of 1990, EEOC guidelines, and Human Resources policies. Policies and procedures are in place to ensure that disabled applicants, students, staff, faculty, visitors, volunteers and vendors do not experience discrimination in any way. The Diversity and Equal Opportunity Office, working in conjunction with the Department of Human Resources and the School Services Office, develops policies, procedures and training programs to ensure UMMS complies with all applicable federal and state regulations relating to individuals with disabilities. In addition, the Affirmative Action Committee evaluates policies regarding employees with disabilities, assesses adherence to these policies and makes recommendations for improvement to the chancellor.

The Medical School, the Graduate School of Nursing, and the Graduate School of Biomedical Sciences consider all applicants who meet the admissions requirements, and will make every effort to provide reasonable accommodations. It is UMMS policy to comply with all the provisions of Chapter 15 1 C, Section 2B of the Massachusetts General Laws, as well as with all other applicable federal and state laws. Students who avail themselves of the provisions of this section will not be treated with prejudice or adversity. The School Services Office, working in collaboration with the Diversity and Equal Opportunity Office, shall coordinate all student disability issues for the schools.

Deborah Harmon Hines, PhD, serves as the Student ADA Coordinator. All inquiries should go directly to Dr. Hines (508-856-2444 or deborah-harmon.hines@umassmed.edu). Once admitted, the student is responsible for notifying the Student ADA Coordinator of their disability, requesting academic accommodations in writing and providing appropriate documentation of the disability. A student may request accommodations at any time during matriculation. All requests for accommodations are reviewed and acted on by the Academic Accommodations Committee (see below). It is always the student's choice whether or not to accept any recommended accommodation. Confidentiality is a strict practice of the Academic Accommodations Com-

mittee. Accommodations are not granted retroactively.

Academic Accommodations Committee

After receiving and reviewing all requests for accommodations, the Academic Accommodations Committee (AAC) designs, implements and monitors individual accommodation plans for students with disabilities in compliance with the Americans with Disabilities Act (ADA).

The Academic Accommodations Committee designs and monitors individual accommodation plans for all students with disabilities and makes accommodations in compliance with ADA.

The Academic Accommodations Committee is composed of the ADA student coordinator, a liaison from the Office of Undergraduate Medical Education, an educational specialist and relevant experts in the field of diagnostic testing and representatives from the SOM, GSBS, GSN, GME. Dr. Hines chairs the committee.

Students may be referred to the AAC by course coordinators or academic evaluation boards for analysis of the academic difficulty and its possible relationship to a disability. It is always the student's choice whether or not to accept the accommodation. Confidentiality is a strict practice of the AAC.

Examples of accommodations include, but are not limited to, extended time on examinations, examinations taken in separate rooms, magnified course and examination materials, readers, books on tape, special microscopes for the visually impaired, special chairs, modified stethoscopes for the hearing impaired, etc.

All students are expected to satisfy the Technical Standards of their respective schools. Accommodation under ADA will not be in conflict with the fundamental nature of the academic programs of each school. For School of Medicine Technical Standards visit:<http://www.umassmed.edu/content.aspx?id=95768>.

For more information visit: <http://www.umassmed.edu/schoolservices/ada.aspx>.

Appropriate Treatment of Students

The University of Massachusetts Medical School (UMMS), in accordance with its mission statement and operating principles, and as required for accreditation by the Liaison Committee for Medical Education (LCME), has developed this policy to help ensure the appropriate treatment of students (ATS). This procedure is specifically required for the accreditation of the School of Medicine, and has also been approved by the deans of the Graduate School of Biomedical Sciences, Graduate School of Nursing, and Graduate Medical Education.

To the extent possible, it is the policy of UMMS to provide a learning environment that fosters mutual trust and understanding between teachers and students. When all participants in the educational process at UMMS understand and uphold the standards of appropriate treatment of students, the environment enhances teaching, learning and professional development, to the benefit of all.

As a student you should expect to be treated with respect, and to learn and work in a safe environment. All individuals who interact with students are expected to behave in accordance with the ATS policy, which applies to faculty, administrators, nurses, house staff, technicians, other learners and other volunteer or paid staff.

Inappropriate treatment occurs when behavior shows disrespect for the dignity of others and unreasonably interferes with the learning process. It can take the form of physical punishment or threat, sexual harassment, psychological cruelty and discrimination based on protected class status.

*Please note that separate school wide policies are in place covering sexual harassment, consensual amorous relationships, and discrimination based on protected-class status.

For more information, including definitions, policies and procedures for reporting suspected inappropriate treatment, students are encouraged to contact the Office of Educational Affairs or the Diversity and Equal Opportunity Office (DEOO) located at H1-728, 508-856-2179 or <http://www.umassmed.edu/deoo/index.aspx>. The policy and procedure is also available in the Office of Student Affairs.

The DEOO is responsible for coordination and monitoring all ATS complaints. DEOO also is responsible for training faculty members to serve as resource persons for students with ATS-related inquiries and concerns, and for ongoing oversight and periodic review of the training process. (revised 06/13)

Bereavement Policy

The Medical School considers bereavement a valid reason to postpone required course-related activities. The Medical School does not have a standard amount of time permitted for immediate family-related bereavement and understands that each student's situation is unique. Students experiencing or anticipating bereavement should contact the associate dean for student affairs and their course coordinators, preferably in advance of missing any required course activity. See also the Academic Regulations section of the handbook regarding the rescheduling of required activities.

Clery Act

The Jeanne Clery Disclosure of Campus Security Policy and Campus Crime Statistics Act is a federal law that requires colleges and universities to annually disclose information about campus crime. Each year the campus files a report with the United States Department of Education tabulating incidents of crime on campus. The current report can be accessed by visiting the Public Safety website.

This annual report lists the incidents of crime that occurred on or near campus for the previous three calendar years. Also included in the report are the numbers of arrests and disciplinary referrals.

Other topics included in the report are incidents of timely warning, emergency response and evacuation; general information about campus facilities safety and security; security awareness and crime prevention programs and sexual assault prevention and response.

Anyone may obtain a copy of the report from the UMass Worcester Department of Public Safety office on the main level of the visitor parking garage, 55 Lake Avenue North, Worcester, MA 01655.

For additional information on the Clery Act, please visit <http://www.umassmed.edu/publicsafety/crime-awareness/clery-act.aspx>

Confidentiality of Patient Information - Related Materials Used in Teaching

Policy Statement:

Faculty, students and staff are responsible for maintaining the confidentiality and security of information about, and materials related to, patients at UMass Memorial, its affiliates and other clinical sites, and must abide by the privacy and security policies and procedures of all clinical facilities visited during clerkship assignments. The UMass Memorial Notice of Privacy Practice information is available at: <http://www.umassmemorial.org/systemip.cfm?id=2782>. This policy applies to the use of such information and material in educational activities outside of the clinical care setting, such as grand rounds, lectures, patient reports and clinical case correlations taking place within UMass Medical School, or outside UMass Memorial or other clinical sites.

We are required by law to keep confidential and secure patients' "protected health information." Protected Health Information (PHI) has two components: (1) one or more personal identifiers; and (2) information about or relating to a person's health condition, provision of health services or payment for health services.

In these educational settings, patient-related materials, such as med-

ical records, radiographs or pathology specimens, may be used freely for educational purposes only if all personal identifiers are removed. This may require concealing or otherwise eliminating patient names and/or other identifiers. When materials which in any way identify patients are used for educational purposes outside of the clinical care setting, an Authorization for the Disclosure of Protected Health Information must be signed by the patient(s) prior to the presentation.

What elements are considered Identifiers?

The following is a list of data elements that are considered to be personal identifiers under HIPAA:

- Name;
- All geographic subdivisions smaller than a state, to include street, address, city or town, county, precinct, zip code, geocode, and three-digit zip code tracts where less than 20,000 people live;
- Names of relatives and employers;
- All elements of dates (except year), to include birth date, admission date, discharge date and date of death;
- Telephone and fax numbers;
- E-mail addresses;
- Social security number;
- Medical record number;
- Health plan beneficiary number;
- Account number;
- Certificate/license number;
- Any vehicle or other device serial number;
- Web URL;
- Internet Protocol (IP) address;
- Finger or voice prints;
- Photographic images; and
- Any other unique identifying number, characteristic, or code.

Also please note, that while the age of a person in years is generally not considered an identifier, ages of 90 and over must be aggregated to a category of 90+ to avoid identification of individuals within this population. Other demographic information, such as gender, race, ethnicity and marital status are not identifiers.

A Consent for Educational Use of Visual Images form, i.e., photographs or videos that reveal patient identity, must be signed before these images are obtained and an Authorization for the Disclosure of Protected Health Information form must be signed before the images are presented. UMMS Consent for Educational Use forms are available from Communications (formerly called Public Affairs & Publications) at 508-856-2000. UMMMC Authorization for the Disclosure of Protected Health Information forms are available through the UMMMC Health

Information Management Department at 508-334-5700, Option 1. Other clinical sites will require patient signature on similar forms.

As with all matters regarding patients' confidentiality, all participants attending educational programs and activities are responsible for maintaining the confidentiality and security of patient-related information.

As a prerequisite to accessing patients' protected health information held by UMass Memorial and its affiliates, all students must complete the UMass Memorial security training course known as the "E-Learning 4 U Privacy & Information Security Module" and sign a UMass Memorial Confidentiality/User Access Agreement as noted in the HIPAA Privacy and Security Training section of this handbook. Other clinical sites may have similar requirements.

Social Media:

It is *never* permissible to post any information that could possibly be used to identify a particular patient. This not only includes patient names but other identifying details that could allow someone to recognize a patient (e.g., photos, dates, locations, or a description of symptoms or an incident).

Breaches of Protected Patient Information:

This policy establishes a process for addressing the handling of all alleged breaches of patients' confidentiality. All alleged breaches will be investigated, documented and acted upon. The facility where the alleged breach occurred will be engaged in the investigation as appropriate. Disciplinary action will be implemented based on the severity of the breach and will consider any prior breaches involving the individual in the allegation. Breaches of confidentiality by students are considered violations of the confidentiality provisions of the professionalism document and will be handled according to that process. Sanctions may be applied up to and including dismissal from the Medical School. "See: Professionalism Policy."

Issues of Confidentiality: All members of the academic community, including students and faculty, are encouraged to bring their concerns regarding confidentiality in the use of patient information and medical records in teaching to the attention of individual faculty members, the course directors, the medical ethicist, and/or the associate dean of undergraduate medical education.

The director of patient care services will also be available as a contact for medical students who wish to report on issues of confidentiality in the use of patient records in teaching.

Other resources available to discuss confidentiality issues are the UMass Memorial privacy officer at 508-334-8096, the UMMMC Privacy and Information Security Hotline at 508-334-5551 and the UMMMC

Privacy and Information Security e-mail account at privacyandsecurity@umassmemorial.org.

Consensual Amorous Relationships (Guidelines For)

The University of Massachusetts Medical School (UMMS) strives to provide a friendly and supportive working and learning environment for its employees and students. As well, it must promote an environment where all work/academic decisions are made professionally and fairly, unencumbered by the effect of personal relationships. Nevertheless, in any work or academic setting, it is possible - even likely - that consensual romantic relationships may develop. UMMS recognizes this potential, particularly in an academic health care milieu where individuals work closely together in circumstances that are frequently demanding and complex.

There are certain potential risks inherent in all workplace romantic relationships between individuals in unequal positions within the institution, such as faculty/student. Such relationships may compromise or be perceived as compromising the fairness and impartiality of a faculty member's conduct toward the student or to others in subordinate positions. Further, there is potential impact on the learning environment and potential damage to the supervisory individual's credibility and standing within the department and within the organization as a whole.

Given the power imbalance between the two individuals, the relationship may in fact be far less voluntary for the subordinate than it appears to the supervisory individual. Also, circumstances may change and conduct that was previously welcomed by the subordinate may in fact become unwanted and unwelcome. Initial consent by both parties to the relationship may not prevent later charges of sexual harassment by the subordinate. Legally, the supervisory individual and the organization could be challenged if a consensual amorous relationship results in allegations of sexual harassment or hostile work or learning environment by the subordinate or by any others in the department who feel they themselves have been treated unfairly as a result of the relationship.

The UMMS policy with regard to faculty and students is:

- A UMMS faculty member should not date, or have a romantic relationship with, a student over whom s/he has a direct or indirect teaching/advisory/mentoring/evaluative responsibility, or over whom there may be a perception of such responsibility.
- A faculty member with questions/concerns should consult promptly with his/her department chair, or may choose to consult with other individuals such as his/her dean, the vice provost for faculty affairs, the vice provost for research, or the vice chancellor for human resources, diversity and inclusion. A student with concerns should consult with his/her dean, advisor or the Diversity and Equal Opportunity Office (DEEO).

- The dean (or designee) will recommend a resolution in consultation with DEEO.

Students and faculty are encouraged to contact the DEEO (HI-728 or call 508-856-2179) with any questions about these guidelines. (DEEO Policy # 02.01.03) (April 2006)

Criminal Background Checks (CBC)/ Criminal Offender Records Information Checks (CORI)

National Criminal Background Checks (CBC) or Massachusetts Criminal Offender Records Information (CORI) checks are used as screening tools of all current or prospective staff persons, volunteers or other applicants to ensure the welfare of patients and children. A Criminal Background Check contains information received from court proceedings, including arrest records as well as convictions and dismissals.

A CBC may be required for participation in certain activities by one of our clinical affiliates or by the School. If a CBC reveals some contact with the criminal justice system, the school will review that history and the student's response. Students beginning classes in August 2010 and after have already been subject to a criminal background check as applicants, however a repeat CBC may be required for participation in certain activities, by one of our clinical affiliates, or by the School. If a subsequent CBC reveals some contact with the criminal justice system since the time of the initial CBC, the school will review that history and the student's response. The school has a process which governs these matters.

Please note: Some clinical site assignments require a Criminal Background Check. If you are assigned to a site which requires a CBC you will be required to participate in any CBC process required by a clinical site to which you may be assigned.

The Schools Policy for Criminal Background checks can found in its entirety at: <http://www.umassmed.edu/cbc.aspx>.

Dress Code

Students are asked to remember that our campus shares space with a major medical center and that patients may see them at any time. Therefore, students are asked to use judgment at all times in selecting clothing to avoid including clothing that is ripped, revealing, or which displays slogans or images that could be offensive to patients or colleagues. Examples to avoid include clothing with sexually or other provocative sayings or that advertise alcoholic beverages, ripped jeans or excessively low cut or tight clothing. Specific dress has not been delineated in this code in order that students should have freedom of choice as long as professionalism is

maintained. However students are required to abide by all policies of the hospital or clinical system in which they are rotating or in which they are doing research involving patient contact.

Students are expected to dress in a manner that is appropriate for their particular work environment. For example, jeans are acceptable in the laboratory or classroom but are not acceptable when seeing patients. Shoes with open toes are acceptable in the classroom but not in the lab or in the clinical setting. As part of professional appearance, students are expected to be generally well groomed.

Violation of the dress code can have detrimental consequences for patient care and could damage the reputation of the School of Medicine and the functioning and attractiveness of the hospital. Flagrant and repeated violations of the dress code may be deemed to signify a lack of insight or maturity on the part of the individual student and call for counseling and discipline. Violations of the dress code should be initially brought to the attention of the student by the immediate supervisor. Repeated and flagrant violations should be brought to the attention of the associate dean for student affairs who shall discuss the infraction with the student involved. If flagrant repeated violations continue, formal counseling or disciplinary action shall be recommended by the associate dean for student affairs and shall be carried out after a hearing and approval by the appropriate academic evaluation board.

Drug-Free Schools and Community Act Amendments of 1989

The University of Massachusetts, in accordance with both federal legislation and existing University policy, is committed to providing a drug-free, healthful and safe environment for all faculty, staff and students.

The Drug-Free Schools and Communities Act Amendments of 1989, Public Law 101-226, require that as a condition of receiving funds or any other form of financial assistance under any federal program, an institution of higher education adopt and implement a program to prevent the unlawful possession, use or distribution of illicit drugs and alcohol by students and employees.

The unlawful manufacture, distribution, dispensation, possession or use of a controlled substance, and the unauthorized possession or use of alcoholic beverages on the University of Massachusetts Medical School campus or as part of any University activity or business off University premises is prohibited. If it is determined that a violation of this policy has occurred, disciplinary action up to and including termination of employment, expulsion of students and referral for prosecution may result as deemed appropriate. Applicable legal sanctions for the unlawful possession or distribution of illicit drugs

and alcohol are summarized in the following section.

The University recognizes alcohol and drug dependency as an illness and a major health problem. Alcohol is the number one drug problem in this country and on campuses. Drinking alcohol has acute effects on the body. It impairs judgment, vision, coordination and speech and often leads to dangerous risk-taking behavior, including drunken driving, injuries and serious accidents. Nearly half of all accidental deaths, suicides and homicides are alcohol-related. The misuse of alcohol is often involved in violent behavior, acquaintance rape, unintended pregnancies and the exposure to sexually transmitted diseases. Long-term excessive drinking and drug use can lead to a wide variety of health problems in many different organ systems.

The use of drugs and alcohol can cause physical and psychological dependence and can interfere with memory, sensation and perception. Drugs impair the brain's ability to synthesize information. Regular users of drugs develop tolerance and physical dependence often experienced by withdrawal symptoms. Psychological dependence occurs when the drug taking becomes central to the user's life.

Students with substance abuse problems are encouraged to use the full range of educational and treatment services provided by the University Health Services at 508-334-8464.

Summary of Legal Sanctions (Alcohol and Drug Abuse)

Specific findings of alcohol impairments as identified by federal studies, have been compiled and distributed to all members of the campus community to meet the requirements of the Drug-Free Schools and Communities Act. In addition to this policy, other University of Massachusetts policies which relate to inappropriate use of alcohol and drugs remain in force. (see AIMS policy)

Local, state and federal laws make illegal use of drugs and alcohol serious crimes. Conviction can lead to imprisonment, fines and assigned community service. Courts do not modify life prison sentences in order for convicted persons to attend college or medical school or to continue in their jobs. A felony conviction for such an offense can prevent you from entering many fields of employment or professions.

Cities and towns in Massachusetts prohibit public consumption of alcohol and impose fines for violation. The Metropolitan District Commission also prohibits public consumption of alcohol in its parks.

Massachusetts laws prohibit sale or delivery of alcohol beverages to persons under 21 with a fine of up to \$2,000 and six months imprisonment, or both.

Misrepresenting one's age or falsifying an identification to obtain alcoholic beverages is punishable by a fine of \$300. First conviction of driving under the influence of alcohol has a \$1,000 fine, one year revocation of driver's license, up to two years in prison, and mandatory alcohol rehabilitation.

Massachusetts has criminal penalties for use of controlled substances, or drugs, with penalties varying with the type of drug. In general, narcotic and addictive drugs with a high potential for abuse have heavier penalties.

Possession of drugs is illegal without valid authorization. While penalties for possession are generally not as great as for manufacture and distribution of drugs, possession of a relatively large quantity may be considered distribution. Under both state and federal laws, penalties for possession, manufacture and distribution are much greater for second and subsequent convictions. Many laws dictate prison terms and the full minimum term must be served.

It is illegal in Massachusetts to be in a place where heroin is kept and to be "in the company" of a person known to possess heroin. Anyone in the presence of heroin at a private party or dormitory suite risks a serious drug conviction. Sale and possession of "drug paraphernalia" is illegal in Massachusetts.

Persons convicted of drug possession under state or federal law are ineligible for federal student grants and loans for up to one year after the first conviction, five years after the second; the penalty for distributing drugs is loss of benefits for five years after the first conviction, 10 years after the second, permanently after the third conviction.

Under federal law, distribution of drugs to persons under age 21 is punishable by twice the normal penalty with a mandatory one year in prison; a third conviction is punishable by mandatory life imprisonment. These penalties apply to distribution of drugs in or within 1,000 feet of a college or school. Federal law sets greatly heightened prison sentences for manufacture and distribution of drugs if death or serious injury results from use of the substance.

Electronic Mail, Internet Access Policy

Every student will be given an e-mail address that the student can access through computers in our library and any other computer with access to the World Wide Web. Library computers have access to the World Wide Web and to internal Computer-Aided Instruction resources and databases. Students may also create a WWW home page, maintained on the campus computer system and subject to the UMMS Internet Policy.

The following policy is designed to provide students with the maximum amount of advance notification of cancellation and/or announcements of engagements. Any questions regarding this policy should be addressed to the Office of Student Affairs.

E-mail is considered an official means of communication at UMass Medical School. Failure to comply with this policy may be viewed as a violation of the student professionalism policy.

It is required that students review their e-mail accounts at least every 72 hours (excluding weekends and vacations) while enrolled in courses, clerkships or electives. All student users of electronic communication are expected to observe the following policy:

1. Individually addressed e-mails should be responded to within 72 hours (excluding weekends and holidays).
2. All users are expected to utilize the “out of office” response function during periods when they anticipate that they will not have access to their e-mail for prolonged periods of time (greater than 72 hours). It is understood that at the current time these messages sent from umassmed.edu addresses will not be directly visible by faculty with ummhc.org addresses.
Senders (i.e. faculty) are strongly encouraged to include a suggested response time for recipients.

Faculty are expected to check with the Registrars Office or Student Affairs Office as to whether a student not responding to e-mail was enrolled in a course, clerkship or elective at the time of the lapse before filing any professionalism incident report.

In addition, the official IS Electronic E-mail policy applies to all users, including students. Therefore all students must follow all applicable IS e-mail policies, which are available via the UMass Medical School Intranet IS Web site (<http://inside.umassmed.edu/is/index.cfm>).

For example: Campus e-mail users must:

1. Use e-mail in a responsible manner consistent with other business communications (e.g., phone, correspondence);
2. Safeguard the integrity and confidentiality of University electronic mail;
3. Only use mail ID’s assigned to them;
4. Remove mail from their mailbox consistent with campus message retention procedures and these guidelines.

Campus e-mail users may NOT:

1. Post materials that violate existing laws or University policies/ codes of conduct. For example, materials that are of a fraudulent,

- defamatory, harassing or threatening nature;
2. Use their e-mail access to unlawfully solicit or exchange copies of copyrighted software.

ELECTRONIC MAIL USE GUIDELINES

The University makes e-mail facilities available to both students and staff. Campus e-mail Users are encouraged to use these communications resources to share knowledge and information in furtherance of the University's missions of education, research and public service. Students are free to use e-mail for personal use. E-mail is made available to employees for the purpose of conducting University-related business, but occasional social/personal use is allowed, providing it does not interfere with an employees job function. An employee's university e-mail address, however, should not be considered the same as a personal e-mail address. Violation of e-mail policies and guidelines may result in disciplinary action.

1. Individuals are prohibited from using an electronic mail account assigned to another individual to either send or receive messages. If it is necessary to read another individual's mail (e.g., while they are on vacation, on leave, etc.), delegates or message forwarding should be utilized.
2. Individuals with e-mail IDs on University computer systems are prohibited from sending messages that violate state or federal law, or University policy.
3. The use of e-mail for transmission of information disparaging to others based on race, national origin, gender, sexual orientation, age, disability or religion is prohibited.
4. The use of e-mail for the transmission of information that solicits or results in personal gains (as in the case of personal or fraudulent donations and "chain letters") is prohibited.
5. Authorized users will not "rebroadcast" information obtained from another individual that the individual reasonably expects to be confidential.
6. Bulletin boards used for soliciting or exchanging copies of copyrighted software are not permitted on University electronic mail systems.
7. Authorized users are prohibited from sending, posting or, publicly displaying or printing unsolicited mail or materials that are of a fraudulent, defamatory, harassing, abusive, pornographic, obscene or threatening nature on any University system. The sending of such messages/materials will be handled according to University codes of conduct, policies and procedures.

8. Authorized users will NOT unnecessarily or inappropriately use limited computer resources by sending chain e-mails, spamming, mail bombing, generating unnecessary excessive print, etc.
9. Global e-mail shall be restricted to emergency events requiring timely notification to all members of the University of Massachusetts-Worcester community and must be approved by the Office of Communications. The header ID must include a description of the topic/issue being addressed. Broadcast messages must address one issue at a time.

The University cannot control the content of electronic mail. If an individual receives electronic mail that they consider harassing, threatening or offensive, they should promptly contact one of the following departments: Information Services, Equal Employment Office, Human Resources and/or Student Affairs.

The entire UMMS E-Mail Policy & Web Policy can be found at: <http://inside.umassmed.edu/policies/IS.aspx>.

Alumni E-Mail

Graduated students e-mail in umassmed.edu accounts will be maintained for up to 90 days after graduation or until a forwarding address is provided, whichever is sooner.

Alumni may designate a forwarding address for their e-mail and change it as necessary through the UMass Information Services Helpdesk. Any person who has your current umassmed.edu electronic mail address will be able to reach you via e-mail. This is strictly a “bounce” account you will not have an actual mailbox. This minimizes the issues involved with maintaining multiple mailboxes. E-mail will be forwarded to the designated address from the student umassmed.edu e-mail address as long as a valid forwarding address is provided. A mechanism will be established for you to update your e-mail forwarding address via the alumni web site. Your current umassmed.edu e-mail address will also serve as your user ID to gain access to “Alumni Only” sections of the alumni web site. Please note that the contents of the mailbox at the time the forwarding address is provided will not be automatically forwarded and will be deleted. If the forwarding address is invalid for three days the forward will be removed. As long as a valid forwarding address is provided, the student e-mail address will remain in effect in perpetuity.

Any graduating student who will remain at UMMS as a student or staff member must notify the Information Services Help Desk that their umassmed.edu electronic mail box should remain active.

Fire Safety Procedures

The fire response procedures outlined apply to UMass Memorial Medical Center only; this includes the Memorial, University and Hahnemann campuses. All other UMass Memorial Health Care sites follow specific fire response procedures outlined in individual fire plans posted at each location.

- All corridors must be clear. Portable equipment and carts must be in use (30 minutes or less) with crash carts an exception. Alcoves and dead end corridors can be used for temporary storage and charging. Fire devices, pull stations, fire extinguishers and heat and smoke detectors must be clear and accessible at all times. Eighteen inches of clearance must be provided under all sprinkler heads. Keep all cross-corridor doors clear of equipment so that they may close properly in the event of a fire emergency.
- Report all fires and suspected fires immediately. Never assume that any fire is too small to initiate the fire procedure, even if a fire appears to be insignificant or controllable by hospital personnel.
- To report a fire at the Memorial or Hahnemann campuses, pull the nearest pull station and call the telephone operator at the emergency number, extension 12345. State which campus you are calling from and confirm the fire location. The telephone operator transfers the call to the Security Command Center dispatcher who announces “Code Red” and the fire location over the public address system at the appropriate campus.
- To report a fire at the University campus, pull the nearest pull station and call UMass Police at the emergency number, 911. A “Code Red” will be announced. Refer to posted evacuation maps for Fire Alarm Zone locations.
- When responding to a fire scene located on a different floor level, always use the stairs. Do not use the elevators.
- The campus emergency team will respond to the fire scene. Where appropriate, administration will be notified. All other employees should remain where they are when the alarm occurs, unless circumstances require special assistance at the fire scene as announced over the public address system or other media.
- When the fire alarm sounds, patients and visitors in hallways should return to their rooms or other safety areas kept calm and ask to remain there until the “All Clear” announcement is made. Assure that all doors and windows are closed.

- Retrieve patient medical information, if possible.
- To report a fire at the ambulatory building or the community centers, activate the pull station or call 911 as appropriate. Immediately evacuate the building to a safe area. When the pull stations are activated, the alarm sounds throughout those locations and the alarm is transmitted directly to the fire department.
- Cooking – microwave/toasters, etc. must be supervised at all times.
- Candles and halogen lights are prohibited.
- Space heaters are prohibited in all patient care areas.

If You Discover a Fire

If you discover a fire you must make sure that several things are done quickly.

Think of the word “**RACE**” to help you remember what to do.

- R** **RESCUE** Remove anyone in immediate danger, if possible.
- A** **ALARM** Pull the nearest fire pull station and call extension 12345 at the Memorial and Hahnemann campuses and 911 (UMASS Police) at the University Campus and 911 at the ambulatory and community centers to report fire location.
- C** **CONTAIN** Contain or confine fire by closing all windows.
- E** **EXTINGUISH** If trained, put out the fire with the correct extinguisher, if safe to do so, or **EVACUATE** as necessary or appropriate.

Hazing

University of Massachusetts Medical School in accordance with Massachusetts General Laws, Chapter 269, Sections 17, 18 and 19 (Jan. 5, 1988) does not tolerate any form of hazing. Massachusetts General Laws, Chapter 269, Sections 17, 18 and 19 contain the following:

Section 17: Whoever is a principal organizer or participant in the crime of hazing, as defined herein, shall be punished by a fine of not more than three thousand dollars or by imprisonment in a house of correction for not more than one year or both such fine and imprisonment.

The term ‘hazing’ as used in this section and in Sections 18 and 19, shall mean any conduct or method of initiation into any student organization, whether on public or private property, which willfully or recklessly endangers the physical or mental health of any student or

other person. Such conduct shall include whipping, beating, branding, forced calisthenics, exposure to weather, forced consumption of any food, liquor, beverage, drug or other substance, or any other brutal treatment or forced physical activity which is likely to adversely affect the physical health or safety of any student or other person, or which subjects such student or other person to extreme mental stress, including extended deprivation of sleep or rest or extended isolation.

Notwithstanding any other provisions of this section to the contrary, consent shall not be available as a defense to any prosecution under this action.

Section 18: Whoever knows that another person is the victim of hazing as defined in Section 17 and is at the scene of such a crime shall, to the extent that such person can do so without danger or peril to himself or others, report such crime to an appropriate law endorsement official as soon as reasonably practicable. Whoever fails to report such a crime shall be punished by a fine of not more than one thousand dollars.

Section 19: Each institution of secondary education and each public and private institution of post-secondary education shall issue to every student organization which is part of such institution or is recognized by the institution or permitted by the institution to use its name or facilities or is known by the institution to exist as an unaffiliated student organization, a copy of this section and Sections 17 and 18; provided, however, that an institution's compliance with this section's requirements that an institution issue copies of this section and Section 17 and 18 to unaffiliated student organizations shall not constitute evidence of the institution's recognition or endorsement of said unaffiliated student organizations.

In addition, hazing is not compatible with the Medical School's Technical Standards for Admission, Continuation and Graduation. Students accused of hazing will be reviewed by a Technical Standards Subcommittee and may be subject to sanctions by the Medical School up to and including dismissal. (See Honor Code.)

Identification of Students

Identification cards are issued to all students at the time of registration during the first year and should be worn at all times. Students may be asked to present their identification card for identification by UMMS Police, library personnel, cafeteria personnel, etc. It is important to report a lost or stolen card to the UMass Police as well as the parking and Access Control Office at 6-5934. Lost cards can be replaced by the Parking and Access Control Office. Cards must be returned when the student leaves the school. Cards temporarily assigned at rotation sites must be returned once the student is no longer participating in a rotation at that site.

PLEASE NOTE: The section of Standards Pertaining to the Practice of Medicine by Medical Students, in the Regulations of the Massachusetts Board of Registration in Medicine, states that: *“medical students are to be identified to a patient visibly as a medical student. Each patient is to be informed that the patient has a right to refuse examination or treatment by the medical student.”* Students should cooperate in insuring that they are clearly identified as medical students in all interactions with patients in the clinical program.

Jury Duty

It is not unusual for students residing in Worcester County to be summoned to serve as trial jurors. The Commonwealth of Massachusetts has a statewide one-day/one-trial system. Under this system, trial jurors serve either one day or, if selected, one trial. After juror service has been satisfied that juror is disqualified from serving again for a minimum of three years.

Medical students are NOT automatically excused from jury duty. Most jurors called do not have to serve more than 3 days (the majority fulfill this obligation in one day). If you are selected for a jury pool for a longer period of time, you will have the opportunity to explain how this may constitute a hardship to the judge who may or may not excuse you from that trial. Student Affairs can assist students by providing them with a letter of support if needed.

Grand jury or federal jury assignments do not fall under this one-day/one-trial umbrella. If you received a summons for grand jury or federal jury duty, contact the Student Affairs Office for assistance.

Students should carefully read all materials they receive with their summons to service, which contains helpful information about confirming, postponing, rescheduling or relocating service, and can address many of the most frequently asked questions. Jury duty is an important legal obligation, and those who fail to respond are subject to criminal prosecution.

Students who must miss class in order to fulfill their jury service requirement should notify each of their instructors of the summons and make arrangements to complete any missed work.

If you have any questions about jury duty, including confirming, postponing, rescheduling or limiting your service, contact the Office of the Jury Commissioner (1-800-THE-JURY/1-800-843-5879). Further information can also be found on the Office of Jury Commissioner’s website at www.massjury.com.

Logos, Usage of UMass Medical School Logos

Use of the school logo or name on t-shirts, totes, baseball caps etc is generally not allowed as it is protected by copyright and trademark rules, which can be found at <http://www.umassmed.edu/pap/logos.aspx?linkidentifier=id&itemid=9242>.

Malpractice Liability Insurance

All matriculated University of Massachusetts Medical School students receive malpractice insurance under the Self Insurance Trust beginning with their first year of medical school for all approved clinical activities (See: Matriculating Student Status).

Medical Marijuana

Although Massachusetts law permits the use of medical marijuana, federal laws prohibit the use, possession and/or cultivation of marijuana at educational institutions. Federal laws also require any institution of higher education which receives federal funding to have policies prohibiting the possession and use of marijuana on campus. The use, possession or cultivation of marijuana for medical purposes is therefore not allowed in any University housing or on any other University property. The University will continue to enforce its current policies regarding controlled substances, and any students, faculty or employees who violate University policy prohibiting the use or possession of illegal drugs on campus, may be subject to disciplinary action.

Patient Rights Under HIPAA

In addition to information concerning the HIPAA Privacy, Confidentiality of Patient-Related Information and Security Regulations found in this Handbook, students must read and be familiar with the UMass Memorial Health Care/UMass Memorial Medical Center Joint Notice of Information Practices brochure distributed to all patients at the time of their first clinical visit, students must also read and be familiar with the privacy notices of all other clinical sites visited for clinical experience. A copy is available at: Joint Notice of Information Practices flier - English UMM 05.12

HIPAA requires that written notice be presented to patients to inform them, among other things, of their privacy rights and to make them aware of how the Medical Center and other clinical sites can use and disclose their protected health information. It also includes a point of contact for answering questions or receiving complaints.

Patient rights afforded by HIPAA include:

- Right to Access (inspect/copy) Designated Record Set.
- Right to Amend Designated Record Set.
- Right to Accounting of Disclosures of Protected Health Information.

- Right to File a Complaint regarding alleged Privacy Violations.
- Right to Request Restrictions on Uses and Disclosures of Protected Health Information.
- Right to Confidential Communications.
- Right to the Notice of Privacy Practices.
- Right to Revoke Authorizations for the disclosure of Protected Health Information.

Religious/Ethical Matters

Requesting accommodation for religious holidays and activities

Principle: The purpose of this policy is to acknowledge respect for the religious diversity of UMMS students by providing opportunities, where possible, for accommodation in cases where genuine conflicts exist between students' religious beliefs/practices and educational activities. Such accommodations must honor the primacy of our commitment to patient care and not unduly burden faculty or disproportionately affect the general student population involved in the affected educational activity.

Applicability: This policy applies to any UMMS student who, because of religious beliefs or practice, believes that s/he is unable to attend a class, participate in any examination, or in other ways fulfill an educational requirement of any course, clerkship or other required activity.

Policy: Recognizing that the religious diversity of its students may result in conflicts between students' religious beliefs/practices and certain educational activities, UMMS will attempt to make accommodations that honor the primacy of its commitment to patient care and do not unduly burden faculty or disproportionately affect the general student population involved in the affected educational activity. Students who believe they have a need for religious accommodation during any course, clerkship or other required educational activity shall notify the relevant instructor/preceptor as soon as possible after an impending conflict becomes apparent — preferably prior to or at the beginning of the course, clerkship or other activity.

If it is established that there is a legitimate need for the affected student(s) where possible, shall be provided reasonable accommodation, including the opportunity to make up the activity in conflict if this is indicated.

Requesting exemption from participating in certain educational and/or patient care activities for religious/ethical reasons.

Purpose: To allow students under certain circumstances, to exercise their rights not to participate in certain aspects of care or treatment of patients while still continuing their academic requirements.

Policy: The Medical School believes that all patients, without regard to diagnosis, disability, race, color, religion, creed, gender or gender orientation are entitled to comprehensive and individualized quality care.

The Medical School recognizes the right of students in special or unusual circumstances to decline to participate in certain aspects of patient care which are in conflict with their ethical or religious beliefs only if the following conditions are met: a) The student notifies his/her course/clerkship director and the associate dean for student affairs of the request not to participate in an aspect of the curriculum. b) The written notification is dated and includes the aspect of the curriculum the student is requesting not to participate in and the reason for the request. c) The notice is signed by the student as well as the course/clerkship director. d) The course/clerkship director reviews the notice and discusses any potential problems with the student, the associate dean for student affairs and the appropriate Evaluation Board if necessary and places the request in the student's file where it will be maintained.

A student may not refuse to participate in the care or treatment of a patient based solely on the patient's diagnosis (e.g. HIV/AIDS or other sexually transmitted diseases, tuberculosis or other contagious diseases) or behavior. Such a refusal may result in a disciplinary action up to and including termination. a) An exception will be made when a student has been directed in writing by a personal physician to avoid patients with certain diagnoses because of danger to an existing health condition of a student. b) The student will provide the written directive to his/her course/clerkship director and the associate dean for student affairs. c) The course/clerkship director will review the physician's directive and discuss any potential problems with the associate dean for student affairs. The associate dean for student affairs will place the notice in the student's file where it will be maintained. d) A student will not be subject to any adverse action or evaluation for exercising his/her rights under this policy. However, the student's ongoing performance evaluation process may consider whether the request to participate can be appropriately justified based on ethical or religious beliefs.

In accordance with Massachusetts General Law 112 sec 12I, no student shall be required to participate in an elective abortion or sterilization procedure if their objection is on moral or religious grounds and they state this objection in writing to the Associate Dean for Student Affairs. This exclusion from participation does not excuse the student from responsibility for understanding basic science, methods, rationale or counseling related to these procedures.

When a student has exercised his/her right under this policy, the care or treatment of the patient shall not be compromised.

Sexual Harassment (Policy and Procedures)

The University of Massachusetts Medical School (UMMS) is firmly committed to working to ensure that all employees, students and individuals who are authorized to conduct business with and/or perform other services on behalf of UMMS are not subject to sexual harassment. To that end, it is the policy of UMMS to comply with all federal and state laws and regulations: Title VII of the Civil Rights Act of 1964, Chapter 151B, and M.G.L. 151B Sec. 3A.

Sexual Harassment is defined as:

Any unwanted and/or unwelcome sexual advances, requests for sexual favors and other verbal, written or physical conduct of a sexual nature.

It constitutes sexual harassment when:

Submission to such conduct is made either explicitly or implicitly a term or condition of an individual's continued employment or assessment of academic work;

Submission to or rejection of such conduct by an individual is used as the basis for employment or academic decisions affecting such individual; Such conduct has the purpose or effect of unreasonably interfering with an individual's work or academic performance or in creating an intimidating, hostile, humiliating, uncomfortable or offensive work or academic environment.

Simply stated, sexual harassment, as well as other forms of harassment, have no place in the workplace or classroom.

It is UMMS's policy to protect the rights of all persons by providing fair and impartial investigations of all allegations of harassment. Any member of the UMMS community found to have violated the harassment policy will be subject to disciplinary action up to and including possible termination/dismissal.

Complaints will be investigated with every effort made to respect the privacy of those involved, and ensuring that there will be no retaliation. Retaliation against an individual for filing a complaint of sexual harassment or against any individual for cooperating in an investigation of a complaint is against UMMS policy and it is against the law. If retaliation is found to have occurred, appropriate action(s) will be taken.

A copy of UMMS's sexual harassment complaint policy and procedure for resolution may be obtained from the Diversity and Equal Opportunity Office, 508-856-2179, the website, <http://umassmed.edu/deoo/index.aspx>.

Smoke Free and Tobacco Policy 05/27/08

Policy Statement:

UMass Medical School (UMMS) promotes a smoke and tobacco free environment across our campuses in order to model and encourage

healthy behaviors which are consistent with the UMMS mission and purpose; an institution dedicated to the education and training of health care professionals.

Accordingly, everyone is prohibited from smoking or using tobacco products in any UMMS vehicle, building, facility, site, garage, grounds, or adjacent grounds that are owned, leased, controlled or operated by UMMS.

Scope: The use, dispensing or sale of any tobacco product is prohibited within any vehicle, building, facility, site, grounds, and garage owned, leased or controlled by UMMS.

Responsibilities: Student shall comply with this policy and report any violations of this policy to the Associate Dean for Student Affairs.

Students desiring to stop smoking shall be responsible for reviewing tobacco cessation benefits available through their health insurance provider.

The complete policy HR General Administrative Policy #6.05.18 can be found the Human Resources web site at: <http://inside.umassmed.edu/content.aspx?id=23460>

Student Clinical Education Hours Policy

As working significant numbers of hours continuously has been shown to contribute to reduction in performance and increased incidence of significant errors in work, the clinical faculty of the University of Massachusetts Medical School require the following:

In order to allow medical students to perform maximally, to effectively assist in the clinical care of patients and to learn from their patients clinical medical students will be expected to follow ACGME intern clinical work hour restrictions.

Approved by CDC October 2010, implementation July 1, 2011

Title IX Incident – Investigative Policy and Procedure

It is the policy of the University of Massachusetts Worcester (“UMW”) [also referred to as the University of Massachusetts Medical School (“UMMS”)] to comply with Title IX of the Education Amendments of 1972 (“Title IX”), 20 U.S.C. §§ 1681 et seq., and its implementing regulations, 34 C.F.R. Part 106, which prohibit discrimination on the basis of sex in education programs or activities operated by recipients of Federal financial assistance. Sexual harassment of students, which includes acts of sexual violence, is a form of sex discrimination prohibited by Title IX. Sexual violence refers to physical sexual acts perpetrated against a person’s will or where a person is incapable of giving consent due to the victim’s use of drugs or alcohol or due to an intellectual or other disability. A number of acts may fall into the category of sexual violence, including rape, sexual assault, sexual battery, non-consen-

sual video or audio taping of sexual activity, domestic violence, dating violence, stalking incidents and sexual coercion. All such acts of sexual violence are forms of sexual harassment covered under Title IX.

The Diversity and Equal Opportunity Office is available to students, faculty and staff with respect to any questions and concerns about sexual harassment, sexual violence or other forms of discrimination on the basis of sex.

Title IX Coordinator, Marlene Tucker, director, Diversity and Equal Opportunity Office. Marlene.Tucker@umassmed.edu.

The entire policy can be found at: <http://www.umassmed.edu/content.aspx?id=178634>.

UMMS Faculty and Student Vendor Relations Conflict of Interest Policy

Reason for Policy

This policy seeks to prevent conflicts of interest between commercial vendors doing business with the University of Massachusetts Medical School (UMMS) and UMMS' faculty members, and students. Such potential conflicts can be viewed as influencing patient care and/or purchasing/procurement. This policy, working in tandem with the Commonwealth of Massachusetts' Ethics Laws (M.G.L. c. 268A), strives to ensure that relationships between the UMMS Faculty Members or Students and commercial vendor representatives enhance the University's mission as a center of excellence for teaching and research.

This policy recognizes that some UMMS faculty members provide patient care and/or conduct research in various hospitals, outpatient settings, and research centers that may have their own policies governing Vendor relations and conflicts of interest. Such policies may vary from this policy. When two or more policies govern the relationships of UMMS faculty members with commercial vendors, the faculty member must comply with all restrictions. Each faculty member must identify and adhere to the applicable policies.

People Governed by This Policy

The UMMS Faculty and Student Vendor Relations Conflict of Interest Policy apply to all UMMS faculty members and students, unless otherwise specified. When UMMS faculty are subject to other laws, regulations or policies, this policy supplements those laws and regulations and policies but does not supersede them. In each case where such laws or regulations or policies differ from this policy, faculty members must comply with the most restrictive applicable standard.

Some of the specific areas of the policy that apply to medical students are indicated below, however, students are responsible for abiding by the entire policy which is available at: <http://inside.umassmed.edu/>

uploadedFiles/policies/Faculty_Administration/Faculty%20and%20Student%20Vendor%20Relations%20COI%20Policy.pdf.

- Product Fairs: Product fairs at UMMS sites are allowed. Students and faculty members providing patient care may not accept offered samples.
- Gifts to Students: Students in the School of Medicine and Graduate School of Nursing may not accept gifts from a vendor. Students in the Graduate School of Biomedical Sciences will adhere to the requirements of section (4).
- Vendor Contributions to UMMS Student Educational Activities: In the event that a vendor wishes to contribute supplies, equipment or other goods/services of material value to support an educational activity, the vendor is responsible for contacting the appropriate program, department or school representative, respectively. It is understood throughout the process of approving such contributions that students will not be responsible for negotiating, securing or otherwise designating the allocation of these items of services. The department and/or the UMMS administration responsible for the oversight of such vendor goods or services must assure that they are acquired, managed and distributed in a manner that complies with UMMS conflict of interest standards. These standards include but are not limited to the avoidance of vendor names and brands on items of general use and assuring anonymity of the vendor's name in association with any such items, whenever practical. All UMMS Student handbooks must explain that students can invite industrial, commercial or vendor groups to UMMS only after obtaining prior approval from their respective dean or the dean's designee, who must make a recommendation for approval to the provost for final review and approval.

(Policy #04.01.03 / Effective date 10/17/12)

Weather Watch

<http://umassmed.edu/weatherwatch.aspx>

Weather Watch for Students ONLY: Class delays or cancellations due to inclement weather are publicized using the following resources. Decisions about delays or cancellations will be made by 6 a.m.

- UMMS Students/Classes Weather Line 508-856-1100. This line is for students/classes ONLY. The general workforce has another line.
- WSRS/WTAG Radio
- NEWS 7 and WRKO AM/680 "Storm Force"
- WCVB-TV Boston/Channel 5 News Center 5
- WBZ Radio 1030am/CBS Channel 4

Students at clinical sites MUST follow the policies of the clinical site.

SECTION SIX: ACADEMIC STUDENT RESOURCES

Office of Educational Affairs (OEA)

Location: Student Wing
Telephone: 508-856-4250
FAX: 508-856-3700
URL: <http://www.umassmed.edu/oea>

Personnel:

Michele P. Pugnaire, MD, Senior Associate Dean for Educational Affairs
 Susan Barrett, MS, MEd, Institutional Research Analyst, Research,
 Evaluation & Assessment
 Michele Carlin, Institutional Research Analyst,
 Research, Evaluation & Assessment
 An Dinh, Institutional Research Analyst,
 Research, Evaluation & Assessment
 Dan Du, Institutional Research Analyst,
 Research, Evaluation & Assessment
 Samantha Elbag, Project Assistant, iCELS
 Gina Gentile, MA, Institutional Research Analyst,
 Research, Evaluation & Assessment
 Ashton Gunn, MEd, Project Manager, OEA
 Madeline Johns, Technology Project Coordinator, iCELS
 Judith Olinder, Executive Administrative Assistant, OEA
 Moya Pemberton, Research Data Specialist,
 Research, Evaluation & Assessment
 Melissa Puliafico, MBA, Director of Educational Affairs
 Brianna Robuccio, Institutional Research Analyst,
 Research, Evaluation & Assessment
 Sylvia Stanhope, Project Assistant, Standardized Patient Program
 Melinda Taylor, Sr. Engineer, iCELS
 Pam Watson, Project Coordinator, iCELS
 Mary Zanetti, EdD, Senior Director,
 Research, Evaluation & Assessment

Under the oversight of the senior associate dean, the Office of Educational Affairs (OEA) seeks to advance the educational mission of the School of Medicine, by providing the following services and resources:

- Provide leadership and oversight for institutional accreditation processes (NEASC and LCME).
- Assessment and research in medical education and institutional reporting and quality tracking for educational programs through the Division of Research, Evaluation & Assessment.
- Enhanced teaching, learning and assessment opportunities

in medical education provided by the nationally recognized Standardized Patient Program.

- Simulation-based programs including task trainers, cardio-pulmonary simulation, full body mannequins, neonatal simulation and many additional resources available for use by trained faculty to provide educational opportunities to small groups offered by the UMMS Simulation Center.
- Special educational opportunities provided by ongoing grants and funding opportunities.

The OEA administers several national educational grants awarded to the Medical School to promote curriculum innovation and enhancement in the teaching of a variety of subjects. UMMS is currently implementing a four-year initiative to integrate geriatric education throughout the curriculum, supported by a grant from the Donald W. Reynolds Foundation and is a designated Center of Excellence of the National Institute for Drug Abuse (NIDA), with a focus on prescription drug abuse education in medicine. Additional topics enhanced through external grant-funded initiatives over the past decade have included: health communication, professionalism, complementary and alternative medicine, sexuality and sexual health, managed care, community outreach to underserved populations' and medical education research. The OEA also administers an internal grant program, Innovations in Medical Education Grants (IMEG), which provides limited funding to faculty, residents and students to support educational innovation.

The senior associate dean for educational affairs also oversees the diverse offices of the School of Medicine comprising Admissions, Student Affairs, Undergraduate Medical Education, Graduate Medical Education and Continuing Medical Education.

Center for Academic Achievement

Telephone: 508-856-5492

Personnel: Scott Wellman, MD, Interim Assistant Dean
Christine Merman Woolf, Ph.D. Educational Specialist

The assistant dean for academic achievement directs this program, which is open to all students at UMMS. Services include academic counseling, tutoring and a series of learning seminars. The assistant dean and staff of the Center for Academic Achievement work with individual students to identify learning needs, which can be met through tutorials designed with learning specialists, educational psychologists and graduate students. The academic achievement program at UMMS is oriented toward prevention of academic problems through systematic needs assessment, mobilization of resources and continuity of the support experience.

Office of Undergraduate Medical Education (OUME)

Location: S1-151, First Floor, Student Wing

Telephone: 508-856-4265

FAX: 508-856-5536

URL: <http://www.umassmed.edu/oume>

Personnel:

Melissa Fischer, MD, MEd, Associate Dean for Undergraduate Medical Education

Robert Baldor, MD, Director, Community-Based Education

Colleen Burnham, MBA, Educational Specialist, OUME

Cassie Caez, Administrative Assistant

Michael Chin, MD, Co-Director of the Global Health Pathway

Jacqueline Clark, Project Assistant II

Susan Collette, Administrative Assistant to the Associate Dean for
OUME, Community Based Education

Mike Ennis, MD, Co-Director, Learning Communities

Angela Grubert, Project Coordinator

David Hatem, MD, Co-Director, Learning Communities

Julie Jonassen, PhD, Program Director, Interstitial Program

Ann Moormann, MD, Co-Director of the Global Health Pathway

Kathy Moylan, Academic Business Coordinator

Ann Perla, Course Development Specialist, DCS Course

Judith Savageau, MPH, Director, Senior Scholars Program

Maureen Titus, Administrative Assistant, DCS Course

Christine Woolf, PhD, Educational Specialist

TBN, Longitudinal Curricular Programs, Project Manager

The Office of Undergraduate Medical Education (OUME) is the center for academic life at the School of Medicine, where students meet with faculty and peers, plan activities, develop ideas for curricular enhancement and innovation, and learn about the latest advances in medical education. In essence, the OUME serves as the hub for the numerous spokes that represent UMMS undergraduate medical education, providing comprehensive resources and support to students and faculty for all facets of the educational program, including curriculum-development, faculty development, academic computing and community based education.

The school's four-year integrated curriculum emphasizes interdisciplinary coordination, early clinical exposure, broadened participation of generalist physician faculty, interprofessional experiences and the use of new learning modalities, including web-based, computer-aided instruction and medical simulation. The curriculum includes the Doctoring and Clinical Skills Course (DCS) in Foundations of Medicine Years 1 and 2, which provides small group, case-based teaching with emphasis on learning the medical interview, preventive medicine, physical diagnosis, problem solving and medical ethics. This course is closely linked with the concurrent basic science curriculum, and the Longitudinal Preceptor Program (LPP) based in community physicians' offices. The OUME provides administrative support for DCS, including

the LPP and Physical Diagnosis elements as well as a number of other educational programs including the 3rd-year Interstitial curriculum, International Medical Education Program, Senior Scholars Program, Summer Research Fellowships, the Capstone course and Optional Enrichment Electives in a wide range of topics including: Adoption and Foster Care; Basic Skills for Working With Smokers, Care of the Seriously Ill; Clinical/Translational Research Pathway (Years 1-4); Complementary and Alternative Medicine; Creative Writing in Medical School; The Bigger Picture: Health Issues Affecting the Community of Worcester; Understanding and Improving Our Health Care System; and Wilderness Medicine and Recreational Emergencies (see <http://www.umassmed.edu/UME/OEE> for full list of offerings). The OUME jointly administers the new SoM Learning Communities initiative with the Office of Student Affairs. This innovative program provides a home for the DCS course, matches faculty mentors to students for longitudinal advising throughout their career at the SOM, promotes peer, social and professional interactions and supports our transitions curricula.

The OUME is conveniently located in the student wing and shares a suite of offices with Student Affairs. Students are encouraged to interact with the OUME staff and to participate in the continuous improvement of the Medical School's educational programs.

Learning Communities Program

Personnel:

Michael Ennis, MD, Co-Director, Learning Communities

David Hatem, MD, Co-Director, Learning Communities

LInC enhances our current system through development of Learning Communities. Learning Communities fall under the auspices of the Office of Undergraduate Medical Education and the Office of Student Affairs. Learning Communities are made up of 5 "Houses." Upon entry to medical school, students are randomly assigned to one of these Houses, which facilitate their interactions with house mentors, house specialty advisors, and other faculty. The House structure also provides opportunities for peer mentoring and other forms of vertical integration. In addition, house mentors teach their students clinical skills. These interactions will support students academically and professionally through the establishment of a robust, four year mentoring program.

Learning Communities are designed to enhance the quality of student-teacher and student-student relationships by developing these longitudinal interactions between students and faculty within and between classes throughout the four-year educational program. This model improves continuity of teaching doctoring and clinical skills, supports interactive and small group teaching, fosters students' self-directed learning, and develops students' skills in formal and informal peer teaching and mentoring.

Learning Communities:

House	Mentor
Blackstone House	Michael Ennis, MD, Head of House Jerry Durbin, MD Joyce Rosenfeld, MD, FACEP Rebecca Spanagel, MD
Burncoat House	David Hatem, MD, Head of House Jennifer Bram, MD Lisa Gussak, MD Marie Sosa, MD
Kelley House	Phil Fournier, MD, Head of House Angela Beeler, MD Sarah McGee, MD, MPH Daniel Kirsch, MD
Quinsigamond House	Diane Blake, MD, Head of House Erin Barlow, MD Lori DiLorenzo, MD Glenn Kershaw, MD Peter Metz, MD
Tatnuck House	Timothy Gibson, MD, Head of House Nancy Bennet, MD Pang-Yen Fan, MD Thomas Halpin, MD

Global Health Pathway**Personnel:**

Michael Chin, MD, Co-Director, Global Health Pathway
Ann Moormann, MD, Co-Director, Global Health Pathway

The Office of Undergraduate Medical Education is excited to introduce the new Global Health Pathway. This pathway is open to all UMass first-year medical students who are interested in pursuing a four-year curriculum that will prepare them for cultural, clinical and research experiences with underserved populations both in the U.S. and around the globe.

Contact Cassie Caez (Cassie.Caez@umassmed.edu) for additional information.

Pathway on Clinical and Translational Research**Personnel:**

Patricia Franklin, MD, MPH, MBA, Professor in the Dept. of Orthopedics and Physical Rehabilitation and CTR Pathway Director
Carole Upshur, EdD, Professor in the Department of Family Medicine and Community Health and Director of Research and Training;
CTR Core Faculty

Diane Blake, MD, Associate Professor in the Department of Pediatrics and
CTR Core Faculty
Colleen Burnham, MBA, Pathway Administrator,
Office of Undergraduate Medical Education

In 2007, the University of Massachusetts Medical School launched a new pathway to introduce methods and concepts in clinical/translational research, and provide a training platform in the basics of clinical/translational research through a longitudinal, structured program throughout the four years of the medical school curriculum. Enrollment in this pathway is limited to 10 medical students in each entering class. Applications are solicited during the summer prior to enrollment as an MS1 student.

Clinical/translational research is designed to speed the discoveries of basic science to patient care and involves both traditional researchers as well as practicing clinicians. The key differentiation between basic biomedical science and clinical/translational research is that the latter must involve human subjects or physiological by-products (cells, blood, tumors etc.) from known patients.

Typical studies in clinical/translational research are:

- Conducting human trials of new drugs and devices.
- Examining the translation of experimental cures or diagnostic measures into routine patient care.
- Examining patterns or correlates of disease (e.g. epidemiology).
- Examining the quality of health care, health care outcomes, and other health services research questions (e.g. disparities in care, cost-effectiveness of care, etc.)

Increasingly, practicing physicians are being called upon to recruit their patients from both hospital and community practices to participate in clinical/translational research studies and contribute to learning how to better care for patients. This new pathway will assist its graduates to:

- Become leaders in combining a clinical and research career.
- Learn skills needed to keep their practice base up-to-date with new evidence-based medicine.
- Gain research experience often needed for competitive residency placement.

Successful participation in the 4-year Clinical/Translational Research Pathway (CTRP) will culminate in receipt of a “Certificate of Training in Clinical/Translational Research,” and notation of completion of this elective pathway on your official transcript. In addition, the Pathway director will acknowledge student participation by sending a formal letter to the dean about the student’s participation.

OVERVIEW: CURRICULUM COMPONENTS -

The Clinical/Translational Research Pathway Program is comprised of two required CTRP courses in Years 1 and 3; relevant required core curricula in the Determinants of Health Course in Year 2; and two research electives (in Years 2 and 4).

The curriculum components are as follows:

FOUNDATIONS OF MEDICINE - YEAR 1**Introduction to Clinical/Translational Research I & II: Protocols & Ethics**

- This required series of eight 90-minute CTRP core curriculum sessions spanning the fall and spring semesters is designed to provide foundational knowledge on the approach to clinical trials and types of clinical research involving patients and other human subjects. The course explores ethical considerations in patient-oriented research, and includes required observation of one IRB Committee Meeting, preparing an IRB application, and completion of a web-based Course in Protection of Human Research Subjects. The core curriculum provides the foundation for students' participation in their eight-week placement in the Summer Research Fellowship Program.

FOUNDATIONS OF MEDICINE - YEAR 2

- **Summer Research Fellowship Program Elective**

Undertake two-month summer project in clinical/translational research under the guidance of a CTRP-affiliated faculty mentor. Attendance at six to eight seminars on study design, methods and data analysis throughout the summer months is required, including those sessions related to the Population Clerkship (see below). Stipend support shared by the student's mentor and the School is provided for students enrolled in the summer research program.

- **Determinants of Health Course**

**Epidemiology and Biostatistics* – Assignment to a research pathway small group; basics in epidemiology, biomedical statistics, clinical trial design will be covered, utilizing existing small-group sessions in the Epidemiology and Biostatistics course.

**Population Health Clerkship* – CTRP students have their own small group instead of selecting from the menu of options offered to the medical student class. They complete all Population Clerkship requirements within a framework where they have the opportunity to learn more about clinical research methods, epidemiology and statistical analysis working on a health issue of significance. Several extra summer meetings are required to produce a stronger outcome oriented product from the Population Clerkship than other groups prepare.

CORE CLINICAL EXPERIENCES - YEAR 3

- **Journal Club Tutorial in Clinical/Translational Research**
Participation in the required Journal Club sessions; each CTRP student will present a journal article and facilitate group discussion.
- **Choose a research project and mentor for the Senior Scholars Elective:** During Year 3, research pathway students are required to develop the experimental design for their Senior Scholars project, and initiate/obtain IRB approval as needed. Two individual meetings with the student's faculty mentor are required.

ADVANCED STUDIES - YEAR 4

- **Senior Scholars Elective** – Requirements include: Two to three month elective to complete clinical/translational research project, analyze data, submit project summary, present at UMMS poster session. Optional: Present paper or poster at an academic professional meeting.

Master of Science in Clinical Investigation - 5 Year Program Option:

All students who are accepted and enroll in the CTR Pathway will have the additional opportunity to apply for the 5-year Program Option, which builds on the pathway core requirements, and includes an additional "pull-out" year to enroll in the Master's Degree in Clinical Investigation program in the Graduate School of Biomedical Sciences. Candidates for this option must be UMass Medical School students officially enrolled in the CTR Pathway program, who are either in their 2nd or 3rd year of medical school.

For more information about the CTR Pathway Program, including required electronic application, go to: <http://www.umassmed.edu/oume/rso/ctrp.aspx> or contact Colleen Burnham, pathway administrator, in the Office of Undergraduate Medical Education at 508-856-5137 or via email at: colleen.burnham@umassmed.edu.

Rural Health Scholars Pathway**Personnel:**

Suzanne Cashman, DSc, Professor, Family Medicine and Community Health, Rural Health Scholars Pathway Director
 Stephen Martin, MD, Assistant Professor, Family Medicine and Community Health, Rural Health Scholars Pathway Director
 Janet Hale, PhD, RN, FNP, Professor, Associate Dean for Academic Affairs, GSN
 Joanne Dombrowski, Administrative Assistant

The goal of this pathway is to foster students' interest in and desire to learn about issues related to practicing in rural and small town communities as well as to help them develop contacts with rural health clinicians and leaders while learning skills useful to rural/small town practice.

Objectives :

- To identify and then nurture the interest of students who would like to explore issues related to pursuing a career in rural health.
- To help participating students acquire the skills and develop the attitudes necessary to become effective clinicians in rural and small town communities.
- To expose students to the important linkages between clinical practice and public health in developing healthy rural communities.
- To introduce students to clinicians who are practicing in rural and small town communities in Massachusetts and New England.
- To foster relationships among medical and Graduate School of Nursing students and introduce them to others in the medical, public health, and governmental sectors who are working to meet the needs of rural communities.

For additional information please feel free to contact Suzanne.Cashman@umassmed.edu, Steve.Martin@umassmemorial.org or Janet.Hale@umassmed.edu.

Senior Scholars Program

Personnel:

Judith Savageau, MPH, Director, Senior Scholars Program
Cassie Caez, Administrative Assistant

URL: <http://www.umassmed.edu/oume/rso/ssp.aspx>

The goals of the Senior Scholars Program are: 1) to provide an opportunity for fourth year/advanced studies medical students to have a structured research experience; 2) to develop hypothesis-generating skills; 3) to provide an opportunity for students considering academic careers; and 4) to foster student-mentor relationships. The program affords students with an introduction to the philosophy of research that is based on answering questions through hypothesis generation, information gathering, experimentation and critical interpretation. The research project is a tool for growth in an evidence-based health care environment.

The Senior Scholars Program has broadened its definition of scholarly work beyond typical basic science and population-based epidemiologic studies. Students have also completed projects in a variety of venues, including quality improvement, health policy, medical education, program evaluation, and community-based/public health needs assessments. Many have published their work in peer-reviewed journals and/or presented their findings at regional or national meetings, serving as a platform for subsequent academic endeavors.

Senior Scholars are required to devote two -three months to their research project under the guidance of a faculty member. The months do not have to be contiguous and projects may even be done at a site

outside of UMMS, including international settings.

Senior Scholars are asked to meet with their mentor at least weekly and convene as a group at one of the Senior Scholars Committee quarterly meetings to discuss the progress of their work.

Each student participates in “Senior Scholars Presentation Day” preparing a poster and sharing ideas with medical school peers and faculty members. The presentation of all Senior Scholars posters is typically held in late April/early May.

If you have any questions, please feel free to contact Cassie Caez 508-856-5694; S1-160 in the Office of Undergraduate Medical Education or visit our web site at: <http://www.umassmed.edu/oume/rso/ssp.aspx>. The web site also includes a detailed set of FAQs that should answer nearly all questions a student might have.

Summer Research Fellowship Program (Medical Students)

The goals of this program are to develop medical students’ skills in research, and to cultivate students’ interest in the inclusion of research in their careers as physicians.

Faculty mentors provide projects on which students work for pay during an eight-week period in the summer before or after their first year. Additional information can be found at <http://www.umassmed.edu/oume/rso/ssp.aspx> or by calling 508-856-5641.

The Office of Student Affairs (OSA)

Location: Student Wing, Room S1-131

Telephone: 508-856-2285 - Student Affairs

508-334-8851 - Student Advising

508-856-8019 - Diversity Support Resident Recruitment

FAX: 508-856-5536

URL: <http://www.umassmed.edu/studentaffairs>

Personnel: Michael Kneeland, MD, Interim Associate Dean for Student Affairs & Associate Dean for Allied Health & Inter Professional Education

Herbert Abelson, MD, Advising Specialist

Michael Ennis, MD, Assistant Dean for Student Affairs/Advising

Maria Garcia, MD, Assistant Dean for Student Affairs/Diversity

Joyce Rosenfeld, MD, Assistant Dean for Student Affairs/Diversity

Scott Wellman, MD, Interim Assistant Dean, Academic Achievement

Katherine Alvarez, Administrative Assistant

Lynn Desforges, Editor/Coordinator

Judy Holewa, Administrator, Student Affairs

Debra Leger, Administrative Assistant

Janice Robert, Administrative Assistant

The major goal of the Office of Student Affairs (OSA) is to provide advocacy for and support to medical students in pursuing their major role, which is to learn both the science and the art of medicine. Medicine is one of the most interesting, responsible, and complex professions to enter. Our goal is to help medical students to develop into empathic, compassionate, knowledgeable physicians who have a life-long enthusiasm for their profession and who reflect the goals and ideals set forth in the Mission Statement for the school.

The Office of Student Affairs strives to be a supportive and responsive place where students can find help in coping with the academic and personal demands of medical school. The associate dean for student affairs shares these roles with the assistant dean for advising and responsive faculty members and the Learning Community mentors. The office also works closely with the Diversity and Equal Opportunity Office. The Student Counseling Service is also available for support. The Office of Student Affairs (OSA) strives to promote a supportive and responsive environment where students find help coping with the academic, personal and social demands of graduate education. OSA nurtures a diverse culture inclusive to the sensitive needs of our students, staff, faculty and visitors. Student Affairs encourages personal growth and success by embracing a holistic definition of diversity and meeting individual needs of our constituents.

The Office of Student Affairs also provides support for a variety of student activities, such as assignment of core clinical activities and fourth year studies, administration of the NRMP (National Residency Matching Program), Electronic Residency Application Service (ERAS), VSAS (Visiting Student Application Service), Medical Student Performance Evaluations (MSPE), orientations to inform and prepare you for all four years of medical education, commencement, and graduation activities. Student Affairs also coordinates the Basic Science and Clinical Science Academic Evaluation Boards, Progress Board, administrative support for all student-run group and organizations as well as the Student Body Committee (student governance group). In these roles, the Office acts as an advisor both to students and faculty to help facilitate and carry out timely and informed decisions.

Under the leadership of the Office of Education Affairs (OEA), the Office jointly sponsors the Learning Communities program as well as various other programs. This association with the overall educational effort of the School encourages the interdigitation of support, curriculum, and educational issues in medical student education. One goal of the Office is to decrease any sense of impersonal learning and isolation, particularly in the pre-clerkship years, and to provide a positive learning environment throughout individual, programmatic, and curricular levels in all years. The goals and objectives of medical education for the school include attributes of knowledge, problem-solving,

attitudes, interpersonal skills and self-reflection which the Office of Student Affairs endorses and hopes to foster.

Mentoring/Advising

Telephone: 508-334-8851

URL: <http://www.umassmed.edu/studentaffairs/mentoring.aspx>

Personnel: Michael Ennis, MD, Assistant Dean of Advising
Debra Leger, Administrative Assistant

All entering students are assigned to a Learning Community called Houses. There are five houses, each with regionally significant name. Each house includes approximately 100 students, four 25-student cohorts from all four class years.

Each of the houses has four house mentors assigned to it. These mentors will provide mentorship on many issues ranging from academic achievement, career guidance, professionalism, lifestyle, personal issues, etc. See: Learning Communities for a listing of houses and house mentors.

Copies of student's evaluations, grade reports, and administrative letters are sent to the student's House Mentor. The responsibility of the mentor includes general support, periodic review of the student's academic performance, assistance/advice in scheduling the clerkship blocks and selecting electives. Guidance is offered in career choice and the residency application process.

To explore various fields of medicine and receive field-specific advice about applying for residency in a specialty, students in each House have access to house specialty advisors in more than 30 specialties.

Careers in Medicine

The Medical School participates in the AAMC Careers in Medicine Program. Careers in Medicine, formerly known as MEDcareers, is a career planning program designed to help you choose a medical specialty and select and apply to a residency program. To access the web site go to www.aamc.org/careersinmedicine. Students who have never registered with CiM will be required to obtain a new access code. Students needing an access code should contact Debra Leger, in the Office of Student Affairs.

School Services Office

Location: S3-104, Third Floor across from Amphitheater I (second level)

Telephone: 508-856-2444

Fax: 508-856-4888

URL: <http://www.umassmed.edu/SchoolServices/index.aspx>

Personnel: Deborah Harmon Hines, PhD, Vice Provost for School Services

(deborah-harmon.hines@umassmed.edu)
 Karen Zirpola-Miller, Administrator/Office Manager
 Linhelle Charles, Administrative Assistant
 Shawn Morrissey, BA, Director of Financial Aid
 Michael Baker, MA, Registrar
 Heidi Beberman, Room Reservations Scheduling Coordinator
 Robert Layne, MEd, Director of Outreach Programs and
 Coordinator, Worcester Pipeline Collaborative
 Karin Lebeau, MBA, Acting Director, Regional Science
 Resource Center

Serving students in the three schools of the Worcester campus, major areas of responsibility of School Services are Matriculation Services and Pre-Matriculation Programs. Matriculation Services include: Financial Aid, Registrar/Student Record, Student ADA Support and Weather Watch. Pre-Matriculation Programs include: Outreach Programs for Minority and Disadvantaged Students (High School Health Careers Program and the Summer Enrichment Program), the Worcester Pipeline Collaborative, the Regional Science Resource Center and the Undergraduate Summer Research Fellowship Program.

MATRICULATION SERVICES

Registrar and Financial Aid

(S1-844, located in the corridor with the GSN, GSBS and Office of Research)

The Registrar's Office and Financial Aid Office provide services to more than 800 matriculating students and the graduates of the three schools (School of Medicine, Graduate School of Biomedical Sciences and Graduate School of Nursing).

Business hours Monday through Friday 8 a.m. - 5 p.m. Extended hours are held on the first Wednesday of each month, September through June, 8 a.m. - 8 p.m.

The toll free number for both offices is 877-210-2238.

Additional contact information:

Registrar: 508-856-2267; <http://www.umassmed.edu/registrar/index.aspx>; and registrar@umassmed.edu.

Financial Aid: 508-856-2265; <http://www.umassmed.edu/financialaid/index.aspx>; and financialaid@umassmed.edu.

Americans with Disabilities Act

In compliance with the American's with Disabilities Act (ADA), Deborah Harmon Hines, PhD, serves as the ADA student coordinator. All inquiries should go directly to Dr. Hines at 508-856-2444. Once admitted, the student is responsible for notifying the student ADA coordinator of their disability, requesting academic accommodations and providing appropriate documentation of the disability. Students

may request accommodations at any time during matriculations.

All requests for accommodations are reviewed and acted on by the Academic Accommodations Committee (see Academic Accommodations Committee) at <http://www.umassmed.edu/schoolservices/ada.aspx>.

Room Reservations

All function rooms (class rooms, meeting rooms, etc.) for UMMS and UMass Memorial are scheduled through the Room Reservations service. Information on scheduling function rooms may be obtained by e-mail (roomreservations@umassmed.edu) or by calling extension 508-856-2264. Additional contact information: <http://www.umassmed.edu/roomreservations/index.aspx>.

WEATHER WATCH

<http://www.umassmed.edu/Content.aspx?id=142894&linkidentifier=id&itemid=142894>

Weather Watch for Students ONLY: Class delays or cancellations due to inclement weather are publicized using the following resources. Decisions about delays or cancellations will be made by 6:00 a.m.

- UMMS Students/Classes Weather Line 508-856-1100. This line is for students/classes ONLY. The general workforce has another line.
- WSRS/WTAG Radio
- NEWS 7 and WRKO AM/680 “Storm Force”
- WCVB-TV Boston/Channel 5 News Center 5
- WBZ Radio 1030am/CBS Channel 4

Students at clinical sites MUST follow the policies of the clinical site.

PRE-MATRICULATION PROGRAMS

Outreach Programs at UMMS

Under the charge to the University to “serve the people of the Commonwealth,” UMMS has a commitment to reaching out to the community. Considerable institutional resources have been allocated to support the following programs: the Worcester Pipeline Collaborative (K-12) and Laboratory, Mentoring Program for Worcester K-16 students, Summer Enrichment Program for undergraduates from under-represented groups or disadvantaged under-represented groups or disadvantaged backgrounds, Combined Summer Undergraduate Research Fellowship Program (NIH and Summer Undergraduate Research Experience), High School Health Careers Program, Massachusetts School-to-Work Initiative, Regional Science Resource Laboratory, etc. Student volunteers are welcome!

For more information contact Robert Layne at 508-856-2707.

Pertinent Web sites:

- High School Health Careers: <http://umassmed.edu/hshcp/index.aspx>
- Summer Enrichment Program: <http://umassmed.edu/sep/index.aspx>
- Summer Undergraduate Research: <http://umassmed.edu/summer/index.aspx>
- Worcester Pipeline Collaborative: <http://umassmed.edu/wpc/index.aspx>

The RSRC helps teachers to implement more inquiry-based, student-centered science in all classrooms by providing ongoing technical support, access to materials and equipment, space for scientific investigations, and professional development opportunities. All of our initiatives focus on supporting the implementation of the Massachusetts Curriculum Frameworks in Science and Technology/Engineering and making inquiry-based science education a reality in classrooms. More recently, we have expanded our efforts to also include support for K-12 standards-based mathematics and technology education.

The Regional Science Resource Center (RSRC) currently serves more than 100 districts across the commonwealth. While 38 percent of the districts served are in Central Massachusetts, another 34 percent of districts served are within the 495 Beltway. The remaining 28 percent of districts are scattered north, south and west of that geographic area. Of the five categories of services: Professional Networks (AP Biology, AP Chemistry, AP Calculus, Curriculum Coordinators, and STEM Pipeline), Professional Development, Math and Science Curriculum Library, Student Laboratory and Science To Go, 35 percent of the districts make use of at least three of the five services. Only 21 percent of the districts make use of only one service and those districts are the furthest distance from the Center.

The most popular offering at the RSRC, Professional Networks, includes 68 percent of the districts involved with the Center's work. Professional development opportunities include 54 percent of the participating districts. Library use includes 51 percent of the districts and the use of the Laboratory includes 13 percent of the districts.

- Regional Science Resource Center (RSRC): www.umassmed.edu/rsrc

Registrars Office

Location: Room S1-844

Telephone: 508-856-2267

Toll Free: 877-210-2238

FAX: 508-856-1899

URL: <http://www.umassmed.edu/Registrar>

Personnel: Michael F. Baker, MA, Registrar
Irene Chevalier, Administrative Assistant
Mary Norfleet, Administrative Assistant
Rasheda Romeo, Administrative Assistant

All educational records at the University of Massachusetts Medical School concerning enrolled students and graduates are maintained by the Office of the Registrar. The Registrar maintains an academic file on each student which contains a copy of each evaluation received, official transcript release forms filed by the student, copies of letters written as official recommendations from the school and disclosure of released information concerning the student. Letters received in support of extracurricular or other activities may also be included in this file.

The office also maintains student biographic and demographic information. Permanent address and name changes must be processed through the registrar's office. All other addresses and student information can be entered online by the student.

Medical School Registration

Students are admitted through the Medical School's Office of Admissions and registered for courses by the Registrar's Office.

- Walk-in registration is conducted the month of July for the incoming medical school class.
- Health clearance by the Student Health Office is a requirement of registration.
- All items on the registration check off list are completed.
- Picture ID's, and e-mail accounts are issued.
- Students are enrolled in all first-year courses.

Matriculating Student Status

Students must be registered for a minimum of twelve (12) credit hours for that semester by two weeks before the start of the semester and must maintain a minimum enrollment of 12 credit hours during the semester in order to maintain active student status (eligibility for course credit, malpractice insurance, financial aid, etc).

Transcripts/Grades

- The name of each course is listed on the transcript, followed by one of the following performance ratings: Basic Science Grades - H (Honors), CR (Credit), NC (No Credit), I (Incomplete); Clinical Science Grades - O (Outstanding), AEP (Above Expected Performance), EP (Expected Performance), BEP (Below Expected Performance), F (Failing), and I (Incomplete).
- An asterisk (*) accompanying any grade indicates that this rating has resulted from a single attempt to remediate an initial course rating of NC (No Credit) or F (Failing).
- In a circumstance where a student has not completed the requirements of a course, a temporary designation of "I" (Incomplete) will appear on the transcript, indicating that a final rating is not yet

available, although the course has ended. This is a temporary designation indicating that a final rating is not yet available although the course has ended. This rating is used at the discretion of the course director with the approval of the appropriate Academic Evaluation Board, such as in cases where the course work is incomplete due to physician-certified illness, death in the immediate family, or a reason of comparable magnitude. Requests for a temporary grade of incomplete must be made to the course coordinator prior to the end date of the course. If an Incomplete grade is granted, the incomplete work must be made up in the time frame specified by the course coordinator. If no time frame is specified, the work must be made up in a prompt and orderly fashion within one year. Extensions to this one year limit may be granted by the course coordinator with the approval of the appropriate Academic Evaluation Board. If a student is carrying two or more grades of Incomplete, the student's academic record will be reviewed by the appropriate Academic Evaluation Board. The student must work directly with the course coordinator to address an Incomplete grade. At the end of that period, if a grade is not submitted a grade of NC (No Credit) or F (Failing) will be recorded. It is the responsibility of the student to arrange the removal of an "I" (Incomplete).

- Scores from Step 1 and Step 2 of the USMLE (United States Medical Licensing Examination), written narrative comments from evaluations and election to the medical honor society Alpha Omega Alpha (AOA) are considered part of the student's official record, however, these are not included on the transcript.
- At the conclusion of a course, clerkship or elective final grades are submitted to the Registrar and are entered in the student database with a paper copy placed in the student's academic record file. Copies of evaluations containing narrative comments are forwarded to the student, the associate dean for student affairs and the student's advisor/mentor.
- At the end of each semester students receive a copy of their transcript reflecting final grades to date.
- Successful completion of Optional Enrichment Courses is indicated by a notation of ##.

Guidelines for Student Records

All educational records at the University of Massachusetts Medical School concerning students enrolled and former students are maintained by the Office of the Registrar. If possible, students will have immediate access to their record. In no case will students have to wait more than 45 days. If students are required to wait, the office will tell them when their record will be available. Students will have to identify themselves with a picture ID to see their record.

Access to student records is limited to: (a) The dean of the Medical School, vice provost for school services, senior associate dean for educational affairs, associate dean for student affairs, chairs of the Academic Evaluation Boards and the student's advisor/mentor; (b) Other faculty members may have access to the record file for the writing of letters of recommendation or other legitimate purposes upon written release by the student and approval by the registrar. An information disclosure form will be kept in each academic file to record the date of review identifying the person reviewing the folder, and the reason for the review.

Family Educational Rights & Privacy Act (FERPA)

All educational records at the University of Massachusetts Medical School concerning students enrolled and former students are maintained by the Office of the Registrar. If possible, you will have immediate access to your record. In no case will you have to wait more than 45 days. If you are required to wait, the office will tell you when your record will be available. You will have to identify yourself with a picture ID to see your record.

The Family Educational Rights and Privacy Act (Part 99 of Title 34 of the Code of Federal Regulations) allows present or former students at educational institutions access to educational records kept on them, as well as basic protections of privacy of their records. The law does not apply to applicants seeking admission to the University. The law applies to educational records, which are defined as those records that are directly related to a student and maintained by an educational agency or institution.

The law exempts from the definition of "education records," generally, records of instructional, supervisory and administrative personnel that are kept in the sole possession of the person who made the record and are not accessible or revealed to any other person except a substitute for the maker of the record; records of a law enforcement unit of the University which are maintained solely for law enforcement purposes; records of employees of the University; records which are created or maintained by a physician, psychiatrist, psychologist, or other recognized professional or paraprofessional acting in his or her professional capacity or assisting in a paraprofessional capacity which are made, maintained or used only in connection with treatment of the student; and records that only contain information about an individual after that individual is no longer a student at the University.

The University will provide the student with a copy of his/her transcript upon written request. The Family Educational Rights and Privacy Act does not give you the right to a copy of your records unless failure to receive a copy would make it impossible for you to exercise your right to inspect and review your records. You can also receive a copy,

upon written request, of information from your record which you have instructed the University to disclose to another party. If the University transfers records which apply to you to another educational institution, you can receive a copy of those records if you request it in writing.

If confidential letters and confidential statements of recommendation were placed in your record before January 1, 1975, they will be removed before you have access to the record provided the letters or statements are used only for the purpose for which they were intended. If you have waived your right to see confidential letters or statements concerning admission to the University, these letters or statements will also be removed before you see your record. If you believe your record contains information which is inaccurate, misleading, or otherwise in violation of your privacy rights, you have the right to challenge the content of the record. While you cannot challenge the correctness of a grade, you may challenge the accuracy with which the grade was recorded.

The University can release directory information without the consent of the student. The University defines directory information as a student's name, major, acknowledgment of a student's participation in officially recognized activities and sports, weight and height of members of athletic teams, date(s) of attendance; degrees, certificates, awards received; the most recent previous educational agency or institution attended by the student and appointment as a Resident Assistant or Community Development Assistant. For graduate students who are teaching credit courses, work department, office address, and employment category are also defined as directory information.

The University will not permit access to or release of a student's educational records, or personally identifiable information contained therein (other than directory), to third parties, without the student's written consent, except to the following:

- A. Other University officials who have a legitimate educational interest in a student's record. The University defines "University officials" as any professional employee who is head of an office, department, school, college, division, or their specified designee. "Legitimate educational interests" is defined as academic status check or evaluations, research, curriculum evaluation or development, institutional/statistical evaluation and analysis, student placement, public safety, and admission evaluation. The University may disclose, to teachers and school officials in other schools who have legitimate educational interests in your behavior, disciplinary action taken against you for certain kinds of conduct.
- B. Authorized representatives of the comptroller general of the United States, the Secretary of the U.S. Department of Education, authorized representatives of the Attorney General of the United

States for law enforcement purposes, and state and local educational authorities.

- C. In connection with a student's application for, or receipt of, financial aid, provided that personally identifiable information from the education records of the student may be disclosed only as may be necessary for such purposes as:
 - 1. to determine the eligibility of the student for financial aid;
 - 2. to determine the amount of financial aid;
 - 3. to determine the conditions which will be imposed regarding the financial aid;
 - 4. to enforce the terms or conditions of the financial aid.
- D. State and local officials or authorities to whom such information is specifically allowed to be reported or disclosed under state statutes adopted before November 19, 1974, if the allowed reporting or disclosure concerns the juvenile justice system and the system's ability to effectively serve the student whose records are released. Such information may be reported or disclosed under state statutes adopted after November 19, 1974, on the same basis as prior to that date if the report or disclosure will assist the juvenile justice system to serve the student prior to any adjudication.
- E. Organizations conducting studies for, or on behalf of, educational institutions for the purposes of developing, validating, or administering predictive tests, student aid programs and improving instruction, provided that the identity of students is not revealed to other than representatives of such organizations.
- F. Recognized accrediting organizations carrying out their accrediting functions.
- G. In compliance with a judicial order, or pursuant to any lawfully issued subpoena, provided that the University makes a reasonable effort to notify the student of the order or subpoena in advance of compliance therewith. A court or other agency which issues a subpoena for law enforcement purposes may order the University and its officials not to disclose the existence or contents of the subpoena to any person.
- H. In connection with an emergency situation, if the knowledge of such information is necessary to protect the health or safety of a student or other persons.
- I. Where the disclosure is to parents of a dependent student, as defined in section 152 of the Internal Revenue Code of 1954.

Additional FERPA information can be found by searching the Department of Education's online library (see links below).

U.S. Department of Education:

- Family Educational Rights and Privacy Act (FERPA) home page
- FERPA General Guidance for Students

Family Educational Rights and Privacy Act (FERPA) full text - U.S. National Archives and Records Administration: Title 34, Part 99: Family Educational Rights and Privacy.

Certification for Graduation

The registrar certifies that each candidate for graduation from the Medical School has completed all academic requirements and all administrative requirements of the Institution. No student may graduate who has outstanding fees or fines (i.e. tuition, loans, library books, parking fees or tickets). Final determination that the student has satisfied academic requirements rests with the appropriate faculty academic evaluation board.

Certification Process:

- Three months prior to commencement the registrar conducts a degree audit of the academic records of all candidates for graduation.
- The week prior to commencement, students are required to come to the Registrar's Office for final certification.

Early Certification For Graduation

- Permission of the associate dean for student affairs is required for early certification for June graduation.
- The student is responsible for completing all certification requirements and obtaining all signatures.
- Students are still subject to University policies and procedures regarding graduation (e.g., diplomas may be held for non-payment of fines incurred after completing early certification).

Deadlines:

- For early certification dates prior to April 1: Notification deadline is Dec. 15.
- For early certification dates after April 1; Advance notice is not required but students should allow sufficient time to complete all required signatures for the certification process.
- The certification date will be recorded as the date of completion. Students are not eligible for financial aid after the completion date. Repayment or grace period for student loans begins at the date of completion.
- Students must complete an early Certification for Graduation form and will be required to obtain all necessary signatures from all departments

before submitting this form to the Registrar's Office for approval.

Voter Registration Forms:

The Higher Education Amendment of 1998 requires this institution to provide students with the opportunity to register to vote. Voter Registration Forms can be accessed at the following site: www.state.ma.us/sec/ele/elestu/stuidx.htm

Office Hours:

General office hours are 8 a.m. - 5 p.m. The Registrar's Office is open until 8 p.m. on the first Wednesday of the month (Sept.- June).

Enrollment Verification

It is the responsibility of the Registrar's Office to verify students' dates of attendance, degrees awarded, enrollment status, demographic information and expected date of graduation. Inquiries for official enrollment information are to be submitted to the Office of the Registrar.

Transcripts

An academic transcript is a certified document intended for use by parties outside of the educational institution and is an unabridged summary of the student's academic history at that institution.

The official transcript is a legal document which contains:

1. The signature and title of the certifying official.
2. The institutional seal and date of issue.
3. Statement forbidding the release of information from the transcript to a third party as required by the Family Educational Rights and Privacy Act of 1974 (FERPA).

Transcripts are issued only by staff of the Registrar's Office. Transcripts, copies of diplomas, enrollment and licensure verifications will not be provided in cases where outstanding financial obligations remain.

In order to obtain a transcript, a written request is required. Forms are available in the Registrar's Office, or can be downloaded from the web at www.umassmed.edu/registrar. The request may also be made in the form of a letter that must include the following:

- Printed name and signature
- Any former name(s) used on university records
- Current address, telephone number and email address (if any)
- Date of birth
- Graduate degree received
- Graduation date and/or dates of attendance
- Complete address where transcript is to be sent
- Number of copies requested

There is no charge for transcripts. Transcripts are sent via first-class mail and sent within two working days after the written request is received.

When requests are made in person, appropriate documentation for identification, such as a student picture ID or driver's license, is required. Telephone and email requests are not accepted.

File copies of undergraduate and/or graduate transcripts from another institution will not be released (back) to the student or to a third party. The request will be returned to the student or third party with a statement explaining the policy.

Financial Aid Office

Location: Room SI-855, First Floor

Telephone: 508-856-2265

877-210-2238 (toll free number)

FAX: 508-856-1899

Personnel: Shawn Morrissey, Director

Tina M. Sasseville, Assistant Director

Lindsay B. Louis, Student Loan Manager

URL: <http://umassmed.edu/financialaid/index.aspx>

The Financial Aid Office administers federal and institutional student loans and gift aid. To be eligible for financial assistance, students must be accepted for admission, enrolled in good standing or making satisfactory academic progress and be enrolled in at least 12 credit hours each fall and spring (see Registrar: matriculated student status). In addition, they must neither owe a repayment on a Federal Pell Grant, a Federal Supplemental Educational Opportunity Grant, or State Incentive Grant, nor be in default on a Federal Perkins Loan or Federal Family Education Loan received for study at any post-secondary institution. Furthermore, students must demonstrate either federal eligibility or financial need to be eligible for most financial aid programs. Because financial aid is awarded annually, all financial aid recipients need to reapply each year. The maximum amount of aid a student may receive in a given year may not exceed the cost of attendance as defined by the U.S. Department of Education. This includes any external scholarships, grants or loans. More detailed information is available in the catalog and the financial aid website.

Satisfactory Academic Progress

Financial aid is available to medical students who matriculate at the University of Massachusetts Medical School and maintain satisfactory academic progress in the four-year medical school curriculum. It is expected that most students will complete graduation requirements in four years. For either academic or personal reasons, a student may require more than four years to complete the curriculum and will qualify for financial aid only if he/she advances through specified percentages of the Medical School curriculum as follows:

Year at Medical School	% of Medical School Curriculum Completed
First year of enrollment	10% = 18 (17.5) credits
Second year of enrollment	20% = 35 credits
Third year of enrollment	30% = 53 (52.5) credits
Fourth year of enrollment	50% = 88 (87.5) credits
Fifth year of enrollment	75% = 131 (131.25) credits
Sixth year of enrollment	100% = 175 credits

Satisfactory academic progress toward the MD degree, along this time scale, will be monitored by the Office of Medical Education through its Basic Science Academic Evaluation Board (for pre-clinical courses) and Clinical Science Academic Evaluation Board (for clinical clerkships and electives), according to their guidelines (see Criteria for Academic Review and Advancement). The evaluation boards review at least, at the conclusion of each academic year, the qualitative progress of each student in course completion. A student who does not satisfactorily complete all course requirements may be permitted to remediate (see also Remediation Policies). The timetable may also be extended and still be deemed as satisfactory academic progress by the evaluation boards for other extenuating circumstances. These might include a death in the family, prolonged illness or extended programs based on physical or mental disability. In such cases, financial aid may be made available to the student after the student files an appeal for additional resources with the Financial Aid Subcommittee of the Student Affairs Committee. It will be the responsibility of the student to provide this subcommittee with documentation detailing the nature of the extenuating circumstances and a specific plan for completing the medical curriculum. Appeals are heard and approved on a payment period basis. Once approved, a student is considered on financial aid probation for one payment period, and is able to appeal for one additional payment period before re-establishing satisfactory academic progress.

Financial Aid Appeals

Anyone seeking adjustments to aid packages, need analysis or cost of attendance should first seek clarification or submit a written request to the Financial Aid Office. Anyone dissatisfied with the Financial Aid Office's response should write Deborah Harmon Hines, PhD, vice provost for school services. Anyone dissatisfied when the vice provost concurs with the Financial Aid Office may write an appeal to the Financial Aid Subcommittee of the Student Affairs Committee. Anyone still dissatisfied with the decision of the subcommittee may write to the Student Affairs Committee and may present the case in person.

Emergency Loan Policy

I. Eligibility: Interest-free emergency loans of up to \$1,000 are available on a short-term basis to enrolled students with true emergencies (but not poor budgeting) who meet the following criteria:

- A. Student does not owe past due tuition, fees, or other charges to the Medical school;
- B. Student has never been past due on a previous emergency loan;
- C. Student is in good academic standing, and;
- D. Application for emergency loan and supporting documentation (i.e. completed financial aid application) is approved by the director or assistant director of financial aid.

II. Repayment: Emergency loans must be repaid at the earliest date of when any one of the following occurs:

- A. Receipt of financial aid funds;
- B. Withdrawal or graduation from the Medical School; or
- C. Arrival of established due date – within 90 days of loan application.

III. Default: Students who do not repay emergency loans in full as specified in Section II are in default and subject to the following penalties:

- A. The student will be administratively withdrawn from the Medical School until the loan is paid in full;
- B. If re-admitted, the student will be ineligible to receive additional emergency loan funds during remaining years of attendance at the Medical School.
- C. The borrower will be subject to all available means of collection. If Medical School collection efforts have been exhausted and the debt remains unpaid the debt may automatically be assigned to intercept from any other state or federal payments that are due to the borrower, or scheduled to be paid to the borrower, including tax refunds under M.G.L. c. 62D. The debt may also be assigned to a collection agency for collection and subject to late charges.

Note: Federal programs are subject to legislative and regulatory change at any time without prior notice.

The Financial Aid Office has evening hours until 8 p.m. the first Wednesday of every month.

Bursar (Office of)

Location: Room S1-802, First Floor, Student Wing

Telephone: 508-856-2248

The School Bursar:

- Processes all tuition and fee billings and payments.
- Disburses emergency loan checks and financial aid checks, upon presentation of UMass Student ID.
- Provides endorsements for jointly payable checks to the student and the University of Massachusetts, Worcester.

The Bursar's Office provides a check cashing service for enrolled students.

The student check cashing procedure is:

1. Present a UMass student ID.
2. Checks must be drawn on a Massachusetts bank.
3. Students may cash one check per day for a maximum amount of \$25.00.
4. No more than two checks may be cashed per student each week.
5. Checks must be made payable to "Cash."
6. The student's endorsement on the back of the check is required.
7. Student ID number, phone number, student mailbox number and address must be listed on the front of each check.

2013 - 2014 Tuition and Fees

Tuition and fees may be changed at any time without prior notice.

Application fee	\$100
Acceptance deposit (non-refundable after May 15)	\$100
Late registration fee	\$50
Late payment fee	\$50
Equipment maintenance fee	\$325
Student activity fee	\$195
Student health counseling services fee	\$650
++Student health insurance fee (annual)	
1st year students	\$4,127
2nd-4th year students	\$3,811
++Student disability insurance fee (annual)	\$72
Curriculum fee	\$12,565
Assessment Fee	\$600
Simulation Fee	\$200

2013 - 2014 Tuition and Fees

Tuition and fees may be changed at any time without prior notice.

Commencement fee (fourth-year students only) \$200

++ Refunds are determined by the insurance carriers. Health and disability insurance premiums may be waived if student has comparable alternative coverage. Students who register late and/or who are delinquent in the valid payment of bills will be assessed a late fee.

Learning Contract

The University of Massachusetts offers medical students the opportunity to enter into a Learning Contract which gives students the option of (1) paying 100 percent of tuition at the time of enrollment or (2) deferring payment of two-thirds of tuition until either the completion of advanced training or withdrawal from medical school. Students who defer payment may provide payment with dollars (plus 8 percent interest if they signed the learning contract after 1990) or by providing certain specified service within the Commonwealth. Different versions of the Learning Contract apply to students who matriculated in different years. Students should refer to the copies of the Learning Contract and the Annual Statements of Learning Contract Obligation they signed for detailed information about the repayment obligations to which they agreed. The Financial Aid Office is happy to answer questions students may have about the Learning Contract. Full tuition for the 2013-2014 academic year is \$8,352. The two-thirds tuition which may be deferred by the Learning Contract is \$5,568.

Extended Students: Tuition & Fees

Students enrolled for Medical School courses for credit are assessed the full Medical School tuition for each semester of enrollment. The first semester after a student has completed eight full semesters of Medical School tuition payments, excluding prior semesters of Post Sophomore Fellowship tuition waiver received, the student's status will change to extended student program fee status. The student is not assessed tuition, but is assessed the extended student program fee of \$3,500 per semester plus all other student fees.

Refund Policy

Refunds are calculated when students do not register for the academic term for which they are charged, take an approved leave of absence or otherwise fail to complete the program on or after the first day of class of the period of enrollment for which charges are assessed.

Students who cease enrollment after 60 percent of the term has elapsed receive no refund and are not required to refund any federal aid received for the term. Students who cease enrollment before 60 percent of the term has elapsed receive a refund for the percentage

of the term remaining after the last date of attendance. The percentage is calculated by dividing the number of calendar days elapsed between the beginning of the term and the date the individual ceases enrollment by the number of calendar days in the term. For example, a student who withdraws 57 percent of the way through the term of enrollment receives a refund of 43 percent of tuition and fees (100 percent minus 57 percent).

If a student received Title IV funds, a “Return of Title IV Funds” calculation will also be performed with the same percentage. Accordingly, only the prorated amount of financial aid is available to the student. Additionally, per federal regulations, the student is required to return the unearned percentage of aid received as cash or from a credit balance. Failure to return unearned Title IV aid may result in ineligibility for future federal aid.

Allocation of Refunds

A share of the refund will be returned to the financial aid programs that funded students.

Refunds and recovered overpayments are allocated to the programs from which an individual received aid in the following order:

- Federal Unsubsidized Stafford Loan
- Federal Stafford Loan
- Federal Perkins Loan
- Other Federal Student Aid Programs
- Institutional Student Aid Programs
- State Student Aid Programs
- Private Student Aid Programs
- Student

Students must notify the dean of the respective graduate school and the registrar in writing of their intent to withdraw. Students who withdraw without notifying the dean and registrar of their status will be considered withdrawn as of the last recorded date of class attendance as documented by the University.

Upon request, the school bursar will provide examples of the application of the refund policy. Any withdrawn student who believes that individual circumstances warrant exceptions from published policy may make a written appeal to:

Nancy E. Vasil, Associate Vice Chancellor, Administration and Finance
University of Massachusetts Medical School
333 South Street, Shrewsbury, MA 01545

Note: This policy is subject to change at any time without prior notice if necessary to comply with Federal law.

Ethics

Location: S7-416

Telephone: 508-856-5291, 508-856-4155

Personnel: Brian P. O'Sullivan, MD, Director, Medical School Ethics Core; Chair, Committee for the Protection of Human Research Subjects

Marjorie Clay, PhD, Medical Center Ethicist (Clinical)

Nicholas Smyrniotis, MD, Chair, Ethics & Treatment Issues Committee

Anne Winslow, Program Coordinator

Under the direction of the Ethicist Core, the Office of Ethics offers an environment in which students are encouraged to consider the ethical issues implicit in caring for patients. The office is committed to providing high quality ethical consultation for students, patients, and medical staff, as well as clinically relevant educational programming for both the clinical system and the Medical School. The office also maintains an extensive library of journals, articles and videos with an emphasis on ethical decision making.

SECTION SEVEN: GOVERNANCE

Governance of the School of Medicine

The primary governing bodies of the School of Medicine are the Executive Council and the Faculty Council. Student representation is provided by the President and Vice President of the Student Body Committee (SBC) serving as the student representatives to the Executive Council and the Faculty Council, respectively.

All committees, except the Educational Policy Committee, report directly or through appropriate channels to the Faculty Council and then to the Executive Council, which makes final recommendations to the dean of the Medical School.

The Educational Policy Committee (EPC) has the responsibility for planning, implementing, supervising, evaluating and continuously revising the program of general medical education for the training of physicians. The EPC will consult with the Faculty Council, the Executive Council, and, when appropriate, the faculty at large when new policies are proposed. Recommendations of the EPC will become policy unless disapproved by the chancellor/dean.

Committees

There are a number of committees at the Medical School and UMass Memorial Health Care that recommend policies, programs, etc., within

their charge. Most of these committees have student representatives who are chosen through the Appointments Subcommittee of the Student Body Committee. The SBC Bulletin Board will have sign-up lists for students interested in serving on these.

Students sit on these committees as full voting members, with rights and responsibilities equal to those of the faculty members. As the list below indicates, student representation exists on essentially all committees whose business pertains in any way to student interests. In addition, ad hoc committees convened by the administration generally include one or more student members. Also, a student from this campus is elected annually by the students to serve on the University of Massachusetts Board of Trustees. Only two student representatives from among the five University of Massachusetts campuses have voting rights in any given year.

The following is a list of the standing committees at UMMS along with the number of student representatives to be appointed and the Faculty Chair for each. Faculty Chairs are listed at the time of the printing of this handbook and are subject to change according to their respective appointment schedule.

Committee	# of Representatives	Faculty Chair	Appt.
Admissions	Two - 2nd yr. students	Dr. Mariann Manno	Spring
Biomedical Computing	One medical student	Dr. Wenjun LI	mid Sept.
Clinical Years Committee	One CCE med student One AS medical student	Dr. Deborah Field	mid Sept.
Committee on Committees	Two medical students	Dr. Luanne Thorndyke	mid Sept.
Council on Equal Opportunity & Diversity (CEOD)	One CCE medical student	Dr. Philip Dilorio Valerie Wedge, LICSW	mid Sept.
Educational Policy Committee (EPC)	Two medical students from two different classes	Dr. Sonia Chimienti	mid Sept.
Ethical Treatment & Issues Committee	One medical student	Contact: Dr. Michael Ennis	
Executive Council	One student (SBC Chair)	Dr. Douglas Ziedonis	late spring
Faculty Council	One student (SBC Chair)	Dr. Leslie Shaw	late spring

Committee	# of Representatives	Faculty Chair	Appt.
FOM1 Curriculum Committee	Two- 1st yr. students One- 2nd yr. student	Dr. Susan Gagliardi	mid Sept.
FOM2 Curriculum Committee	Two- 1st yr. students One 3rd yr. student	Dr. Thomas Smith	mid Sept.
Learning Contract Advisory Group	One medical student	Dr. Deborah Harmon Hines	mid Sept.
Library & Learning Resources	Two medical students		mid Sept.
Student Affairs Committee	Four medical students	Dr. Timothy Gibson	mid Sept.
Student Health Advisory	Two medical students	Dr. Philip Fournier	mid Sept.
Three Schools Committee	Four students from each school	Lisa Beittel	
Women's Faculty	Two medical students	Dr. Sybil Crawford Dr. Rebecca Lundquist	mid Sept.
Worcester District Medical Society	Two medical students	Contact: Dr. Michele Pugnaire	mid Sept.

Student Government Alliance (SGA)

Established in 2011, the UMMS Student Government Alliance (SGA) is the overarching student governance body. The SGA consists of the two elected officials from each school's student governance group and the student trustee. The SGA promotes student communication and collaboration across the three schools, and serves as a resource for communicating and working with campus administration. The SGA provides representation for students across the three schools on Faculty Council and Executive Council and other campus-wide governing bodies and committees. The SGA reports to the provost, and addresses matters of importance to students and submits recommendations expressing student views and concerns to administration (provost). The SGA oversees the campus student trustee election process. The SGA has a faculty advisor appointed by the provost and in accordance with their bylaws, the provost meets with the SGA at least once per semester (fall and spring). Additional information, including members, can be found at: <http://www.umassmed.edu/dean/studentgovernance.aspx>.

Student Body Committee

The Student Body Committee (SBC) is the official student representative body of the University of Massachusetts Medical School. Its purpose is to represent the student body to the University of Massachusetts Medical School faculty and administration and to the community.

Another function of the SBC is the disbursement of student funds for student activities. Types of activities that have been funded in the past include a student newsletter, a student literary magazine, speaker fees for general lectures, and student welcoming and graduation barbecues.

Any student requesting SBC funds must provide the SBC with a written proposal that should include an itemized budget, a demonstration of attempts to obtain funding from alternative sources, a description of the potential benefits to a majority of the student body and an estimation of interest in the activity from the student body.

Elections to the SBC are held once a year by each class. Membership is limited to one student per 20 students in each class, so there are generally five representatives per medical student class, four or five representatives from the Graduate School of Biomedical Sciences, and one or two from the Graduate School of Nursing.

Representatives also serve on one of several institutional committees as part of their SBC responsibilities. SBC meetings are held monthly. The meeting dates and agendas are posted and meetings are open to the public. Students are encouraged to attend to present ideas, viewpoints and/or grievances.

It is the hope that student input on the above mentioned committees will serve the dual function of expressing the opinions of the student body, as well as providing a method of communication with the administration and the faculty.

Committee members have certain responsibilities - voting privileges, expression of student viewpoints and opinions and communication of issues to the student body. Committee members will fill out a brief summary of any important issues that were discussed or voted upon and turn this into the SBC. This information will be compiled and posted on the SBC bulletin board. It is hoped that with more representation, students will at the very least be aware of the issues throughout UMMS and UMass Memorial and possibly influential in determining outcomes. On an individual basis, committee members will have the opportunity to closely interact with faculty members and physicians from throughout the Medical Center.

There are also various subcommittees within the above listed, for example Curriculum Subcommittees for FOM 1, FOM 2 and Clinical Years. The role of student participation on these committees is especially important.

A complete listing of all student groups can be found at the Student Affairs website at <http://www.umassmed.edu/studentaffairs/studentlife/studentorgs.aspx>.

Student Trustee

Every year, the student body at UMass has the opportunity to elect a student trustee from UMass Worcester to the University of Massachusetts Board of Trustees. This student is the sole student representative from UMass Worcester and holds a very important position. Of the five University of Massachusetts student trustees, three are voting members at any one time, on a rotating basis.

The only distinction between the voting student trustee and other board members is the abbreviated term in office of the student. The student trustee's term of office runs from July 1 to June 30. Elections for the student trustee are held in April. All students are eligible to be on the ballot.

The student trustee is expected to (1) keep the students and the SBC informed of discussions and the decisions made by the Board of Trustees; (2) provide a UMass Worcester student's perspective to the board; (3) review tenure and faculty advancement within the University system; (4) review the allocation of funds throughout the University system; (5) assist in the selection of honorary degrees; (6) review the Hospital Management Board meetings; and (7) work with the chancellor on selected projects.

The position offers a student the opportunity to contribute to the decision-making process that affects students on the Amherst, Boston, Dartmouth and Lowell campuses, as well as students here in Worcester.

SECTION EIGHT: EVERYDAY LIVING

Bulletin Boards

Bulletin boards are located on the first floor of the student wing near the student lounge. Several bulletin boards are available for general posting by the UMMS community as well as the general public. Other boards are reserved for approved student organizations/groups. These Boards come under the auspices of the Student Body Committee (SBC).

Campus Store

Location: First Floor, in the Medical School Lobby

Telephone: 508-856-3213

Personnel: Dianne Silun, Manager

Hours: Monday - Friday 7:45 a.m. - 4 p.m.

URL: www.umassmed.edu/bookstore

The UMMS Campus Store is a full-service bookstore serving the Medical School community as well as health professionals in Worcester County. The Campus Store supplies textbooks recommended for courses at the School of Medicine, Graduate School of Biomedical Science, Graduate School of Nursing and the Master of Science in Nursing Program.

The campus store features a large selection of medical reference & review books as well as an assortment of popular fiction and nonfiction books, medical instruments & supplies including stethoscopes & parts, school supplies, UMMS insignia clothing and merchandise, candy and soda, newspapers, greeting cards, jewelry, reading glasses and gifts including Vera Bradley & Alex & Ani jewelry. Software is available to order on our website and student and staff discounts apply for qualified customers. A textbook rental program is accessible through our website.

The campus store offers a 5 percent discount on most medical books to students of UMass Medical School and those in residency programs at UMass Memorial showing a valid ID when purchasing with cash or check. Students do not pay state sales tax on textbook purchases. Special orders of books not in stock are welcomed.

The campus store accepts cash, personal checks and Mastercard, Visa and Discover. Departments may also charge merchandise with approved account numbers.

Child Care/Daycare

Telephone: 774-455-KIDS

URL: <http://centers.brighthorizons.com/umassmemorial>

Email: umass/lincoln@brighthorizons.com

Personnel: Allison Smith, Business Manager

Locations: **Memorial Child Care Center**

38 Oak Avenue
Worcester, MA 01605

University Campus Child Care Center

Shaw Building
419 Belmont Street
Worcester, MA 01655

UMass Child Care provides care for infants, toddlers and preschool children in a safe, nurturing environment that promotes physical, social, emotional and cognitive development.

Clickers

The TurningPoint Audience Response System has been adopted as the school's standard polling system. This system is used for interactive lectures where students can participate in polling questions. Polling can be conducted as part of a PowerPoint presentation or by simply using TurningPoint AnyWhere 2.0 software installed.

The School will assign each student a clicker to be used throughout their educational experience at UMass Medical School. Please note that in the event that a clicker is lost or stolen you will be responsible for its replacement at a discounted rate of \$30.

Additional information on these clickers is available at:<http://inside.umassmed.edu/is/acs/turningpoint.aspx>.

Clickers must be returned to the Office of Student Affairs as part of the certification for graduation process.

Dining, on Campus

Albert Sherman Center Cafeteria

Location: First Floor, Abert Sherman Center

Telephone: 774-455-3761

Menu: <https://umassmed.catertrax.com/>

Catering: 774-455-3761

Monday - Friday

Breakfast	7 a.m. -10 a.m.
Lunch	11 a.m. - 2 p.m.
Starbucks	7 a.m. - 4 p.m.

School/Hospital Cafeteria

Department: Nutrition & Food Service

Manager: David Lindstrom

Location: First Floor, Hospital

Telephone: 774-442-3842

Menu: From inside Ext. 2-6368/Outside: 774-442-6368.
You will get a voice recording of the menu of the day.

Catering: 774-442-9377

Monday - Friday

Breakfast	6:30 a.m. - 11a.m.
Lunch	11:15 a.m. - 1:45 p.m
Grill/Deli/Coffee	11:15 a.m. - 6 p.m.
Dinner	4 p.m. - 6 p.m.
Late Night Dining	6 p.m.- 10 p.m.

Weekends & Holidays

Breakfast	7:15 a.m. -10:30 a.m.
Lunch	11:15 a.m. - 1:45 p.m.
Snack Bar	1:45 p.m. - 7 p.m.
Dinner	4:30 p.m. - 6 p.m.

Completely disposable serviceware is utilized in the cafeteria and everyone is encouraged to recycle.

During off hours, students are also invited to utilize the 24-hour vending services located on level 1 of the hospital near the cafeteria with seating in the cafeteria and in the student lounge.

Outtakes Cafe

Location: Ambulatory Care Center (ACC) lobby

Hours: 7:30 a.m. - 2 p.m.

Menu: Serving coffee, pastry, up scale sandwiches, pizza and soup.

Pavilion Cafe

Location: Hospital, Main Lobby

Hours: Monday - Friday 6:30 a.m. - 8:30 p.m.

Menu: Serving specialty coffees, soups, sandwiches and pastries.

Diversity and Equal Opportunity Office (DEOO)

Location: H1-728 - First floor, next to the cafeteria

Telephone: 508-856-2179

FAX: 508-856-1810

URL: <http://www.umassmed.edu/deoo/index.aspx>

Personnel: Deborah L. Plummer, PhD, Vice Chancellor
Human Resources, Diversity and Inclusion
Marlene Tucker, Director
Fernanda Pires Gama, Program Coordinator
Bonnie Bray, Executive Assistant

The Diversity and Equal Opportunity Office (DEOO) of the University of Massachusetts Medical School has primary responsibility for coordination of all aspects of UMMS's affirmative action/equal opportunity commitment and regulatory compliance obligations. The DEOO coordinates diversity programming and provides oversight of compliance for Affirmative Action/EEO and ADA policies. UMMS is committed to an environment that is civil, respectful, fair, accessible, safe and nurturing. We mediate and resolve conflicts related to uncivil behavior, harassment and discrimination.

The DEOO works with UMMS departments and services to reasonably accommodate persons with disabilities or specific religious convictions, as long as such accommodations do not present an unreasonable burden for either the institution or the program of study.

Chapter 151C, Section 2B of the Massachusetts General Laws states that any student in an educational or vocational training institution, other than a religious or denominational educational or vocational training institution, who is unable, because of his/her religious

beliefs, to attend classes, to participate in any examination, study or work requirement on a particular day shall be excused and shall be provided with an opportunity to make up such examination, study or work requirement which he/she may have missed because of such absence. However, this accommodation shall not create an unreasonable burden upon the said department or school. No fees of any kind shall be charged by the institution for making available to the said student such opportunity. No adverse, prejudicial or retaliatory effects shall result to any student or employee because of his/her availing the provisions of this section.

Disabled or impaired persons who need assistance to access this information should contact the DEOO at 508-856-2179.

Library, The Lamar Soutter Library

Location: First Floor of the Medical School

Telephone: Library Service Point (LSP) 508-856-6099
Inter Library Borrowing 508-856-2080
Administration 508-856-2205

Personnel: Elaine Martin, DA, Library Director
Jan Sohigian, Administrative Assistant

URL: <http://library.umassmed.edu>

Hours: Sunday 10 a.m. - 11 p.m.
Mon - Thur 7:30 a.m. - 11 p.m.
Friday 7:30 a.m. - 9 p.m.
Saturday 10 a.m. - 9 p.m.

The library doors will close 15 minutes prior to closing time.

UMMS students, residents, and faculty can enter the library 24 hours per day, seven days per week by swiping their UMMS ID cards at the front door. The library will not be staffed after regular hours.

The library is closed New Year's Day, July 4, Thanksgiving Day and the day after Thanksgiving, the day before Christmas and Christmas Day.

MISSION: Our mission is to provide you with the information resources you need during your medical school career, to provide information for researchers and clinicians, and to serve the health information needs of the general population in Massachusetts. We will assist you in locating information within the library and through other available resources, including other libraries, electronically, and over the Internet. We also offer hands-on training sessions to facilitate your skills in searching library databases.

You will often be aware of tours, training sessions and orientations going on around you as you are working on your own research and studies. The library at the Medical School is the largest health information resource in Central and Western Massachusetts, and is

the only public academic health sciences library in the state. It is the Regional Medical Library for New England. For these reasons it is used by health care professionals, researchers, other students and health care consumers in increasing numbers.

Still, in the midst of the hustle and bustle, you will find that the library is a good place to study and to discuss your classes and your patients; there are quiet areas and tables available for study groups; and there are computers for word processing, literature searching, computer-assisted instruction, e-mail and Internet access. In addition, the library has nine group study rooms equipped with white boards to facilitate group work; five of the rooms also have large screen monitors for group viewing.

Library Card: A library card entitles you to full borrowing privileges. Applications for cards are available at the Library Service Point.

Access to the Lamar Soutter Library Collection When Off Site:

Access to electronic resources is available off campus via a proxy service. You will log on with your borrower's card barcode and a password that you choose.

The Lamar Soutter Library has a Pull & Copy Service which is free of charge for medical students assigned for training and/or study at remote sites. All requests must be sent electronically via the "Interlibrary Loan/Pull and Copy Request Form" on the Library's Web site. The Pull & Copy Service will fill only requests referencing a verifiable UMass Medical School student name. Requests will be filled through the Pull & Copy Service only for materials owned by the Lamar Soutter Library. No charges will be submitted to the medical student for this service. The Pull & Copy service is available to students on the main campus for a fee of \$13 per article.

Reserve Collection: Reserve materials are located at the library Service Point. This is not a browseable area. Consult the on-line catalog for the call number or shelving information for each item you need. The staff will retrieve the materials for you. You are limited to three reserve items at a time. Reserve items may be checked out for two hours, and can be renewed for an additional two hours if there is no waiting list. Materials may be checked out overnight 30 minutes before closing, and must be returned within one hour of the library opening the next morning (including weekends).

Reference Collection: The Collection contains directories, statistical sources, dictionaries and handbooks in the health sciences. It is located on the First Floor. These books, while generally non-circulating, may be checked out for two hours when permission is granted by a reference librarian or an LSP staff member. Reference librarians are available to assist you Monday through Friday.

Web Resources: The Library's Web site hosts more than 400 searchable databases, as well as more than 8000 electronic text books and journals.

Internet Access: The Library's computers connect you to the Internet. The Lamar Soutter Library Web site: (library.umassmed.edu) gets you started.

E-Mail: You will receive an NT/e-mail account as you enter as a first-year student. The accounts are issued by the Information Services Division. Students may access their e-mail from the library.

Library Computing Area: The library supports and administers the only public student computing area on campus. Word processing, spreadsheets and computer-assisted instruction are available on the library computers. The computers are used on a first come, first served basis. There are many times during the year when every seat in this area is taken. Be considerate of your peers: when not working at the computer, log out and let the next person log on. Laptop computers are available at the LSP for use within or outside of the library (one-week loan.) The library also circulates bamboo tablets (two-week loan.)

Training/Education Sessions: Classes on PubMed/MyNCBI, Power-Point, Excel, EndNote, and RefWorks are offered regularly. Classes on Evidence Based Medicine, CINAHL, Micromedex, Web of Science, Ovid and Google are scheduled by appointment. Schedule and self sign-up are available online via the library's website.

Journals: The library subscribes to more than 5,300 electronic journals and maintains an active core print collection of 97 titles. Unbound, current core journals are located on the first floor of the library. Bound journals are located on the second and third floors. The journals are arranged alphabetically by title. They do not circulate outside the library. Journals older than 1978 are in storage and are retrieved once a day, Monday - Friday; request forms are available at the LSP.

Books and Audio-Visuals: Books and audio-visuals may be checked out or used in the library. See the information sheets at the LSP for specific policies and procedures. Books are located on the first floor, along the long-windowed wall, and are shelved according to the National Library of Medicine classification. Audio-visuals are located on the first floor. Viewing equipment is available for in-library use. The library also circulates Kindles (two-week loan.) Each is loaded with 64 titles from four categories - Medical Thrillers, History of Medicine, Humanities in Medicine, and Leadership.

Fines, Overdue or Lost Materials: Currently, overdue fines are not charged for books. Lost items are billed at the replacement cost, plus a processing fee of \$50. Notices are sent out for overdue materials.

Overdue or lost items will result in interruption and potential loss of ALL borrowing privileges.

Photocopiers: There is a photocopier on the first floor of the library. A debit card system is used with the copier. The cost is .20/page with a card and .25/page with coin.

Printing: Two networked printers are located on the first floor. A debit card system is used. The cost is .20/page.

Phones: Paging phones are located on the first floor and second floor.

Study Carrels: Study carrels are available for quiet, individual study on the second and third floors of the library. See the library website for details of the current study carrel policy.

Security System: An electronic security system is installed near the LSP exit and the rear fire exits to help prevent theft of library materials. The gate at the LSP beeps if the system is activated.

Food & Beverages: Food and beverages are allowed in all areas of the library except the computer lab on the first floor, providing you dispose of all trash and containers and work surfaces are kept clean. Please be sure your drinks have a cover when working at a computer.

Closing: The library staff flashes the lights on all three floors 15 minutes prior to closing, and again five minutes before closing. Doors are closed 15 minutes prior to closing. UMMS students, residents, and faculty can remain after closing and can enter the library 24 hours per day, seven days per week, by swiping their UMMS ID cards at the front door.

Use of Other Libraries: The Lamar Soutter Library is a member of the Boston Library Consortium. Through our membership, you may make use of the other member libraries. The Boston Library Consortium includes: MIT, Wellesley College, Northeastern University, Boston College, Boston University, Tufts University, Williams College, Brandeis, Woods Hole Oceanographic Institute, University of Connecticut, University of New Hampshire, the Massachusetts State Library and all campuses of the University of Massachusetts. To apply for card privileges, ask for more information at the LSP. The Countway Library, Harvard's Medical School library, also makes its resources available to you. As a medical student, your name appears on a listing at the main entrance of the library. Upon showing identification, you may enter the Countway Library with no fee.

InterLibrary Borrowing: You may request that the Interlibrary Borrowing staff request materials (books, copies of book chapters and/or journal articles) from other libraries. All requests must be sent

electronically via the “Interlibrary Loan/Pull and Copy Request Form” on the library’s Web site. Generally articles are received within two days and books within one to two weeks, depending on availability. There is no charge to students for this service.

Lockers

Locker assignments are made at the start of the first year by the Office of Student Affairs. The School is not responsible for anything left in the lockers/locker room. It is strongly advised that lockers be kept locked at all times. Students should contact the Office of Student Affairs if they misplace or lose their assigned locker combination.

Mail - Postal Services

Location of Student Mailboxes: 1st Floor Medical School Lobby, Behind Elevators

Main Office; B Level, Hospital

Telephone; 508-856-2361

Personnel: Patty Murphy, Supervisor
Susan Maurice, Mail Clerk/Student Mail

All students registered at UMMS are issued a student mailbox with a combination lock. The Registrars Office maintains a list of mailbox numbers and combinations. Delivery is made each day to the student mailboxes between 7 and 8 a.m. These boxes should be kept locked. The Postal Services Department is not responsible for lost mail when a mailbox is left open.

All incoming mail must be properly identified with the following information: University of Massachusetts Medical School, Student Name, Box Number, 55 Lake Avenue North, Worcester, Massachusetts 01655-0002.

When leaving mail for classmates, the student’s name and student mailbox number should be clearly visible on the mail. The student can tape this mail to the students mailbox that the mail is intended for. Please note that UMMS is not responsible for postage for student’s mail. There is a mailbox outside of the entrance near the Office of Student Affairs for all outgoing mail. Students should leave a forwarding address with the Postal Services Department if they expect to be away from the Medical School for any extended period of time (six weeks or longer) but not longer than 12 months.

“JUNK MAIL”: One of the perils (or advantages) of being a medical student is the large amount of unsolicited, “free” mail that students receive in their mailboxes. Most often these companies have obtained students’ names from mailing lists purchased from the American Medical Association (AMA, 535 N. Dearborn Street, Chicago, Illinois 60610). One way to decrease the volume of this mail is for

students to write to the AMA asking to have their names put on the non promotional mailing list. In addition, students can write individual companies asking for the same treatment.

Medical Instrument Loans

The Student Body Council has the following medical instruments available for loan in the Lamar Soutter Library at the Library Service Point:

- Stethoscope
- Otoscope/Ophthalmoscope
- Tuning Fork

Loan Policy:

- SOM students may borrow up to one of each item at a time (Stethoscope, Otoscope/Ophthalmoscope Set, Tuning Fork).
- Students must present their student ID with library barcode to the Library Service Point (LSP).
- Instruments must be returned to the LSP within 24-hours of check-out.
- Students are responsible for proper cleaning and care of the devices. All pieces and instructions must be kept together in the casing provided. Instruments must be cleaned before and after use. Alcohol wipes are available at the LSP.
- Any loss or damage should be reported to library staff within 24-hours of check-out. Students are responsible for the cost of any damage or replacement. Students will lose borrowing privileges until instruments are returned or replaced.
- By borrowing these items from the library, student are agreeing to comply with the library loan policy, and are taking responsibility for any loss/damage to the equipment.

If you have any questions, please contact Kerry Mayotte at ext. 6-2580 or Jane Fama at ext. 6-2099. Student Body Council contacts are: Rebecca Lumsden and Emily Tsanotelis.

Mothers Rooms/Breastfeeding/Nursing Rooms

The Medical School has eight Mothers' Rooms where breastfeeding mothers can go to feed their babies or pump breast milk. The rooms are located:

- University Campus: S6-100A and S6-100B - both locations are equipped with a hospital grade Medela pump; mothers must bring their own accessories. For access please call Human Resources, Diversity and Inclusion at 508-856-5260 to arrange pass-card access. There will be sign up sheets in the room.
- South Street Campus: Two private spaces located on the second

floor of building 1-SHR 1-2, both spaces are equipped with a hospital grade Medela pump; mothers must bring their own accessories. Access granted via Outlook South Street Mother's Room calendar.

- Worcester State Hospital: BB2-204, Contact Christine Bibeault, x62648.
- Biotech IV: B4-314C, Contact Denise Maclachlan, x68773 to schedule a time. This location is equipped with a hospital grade Medela pump; mothers must bring their own accessories.
- Schrafft Building, Boston: Office 3.635- To Schedule a time, call x56200 or 617-886-8200
- MBL, Mattapan II Building: Room 2034

To purchase accessories for the Medela Breast Pump Contact: Carol Matthewson, Worcester, MA 01609, 508-752-9796

Carol keeps a supply of double Symphony sets. They are \$40. Call Carol to arrange to pick it up. To order via the internet visit the sites below:

- SelfExpressions
- Amazon
- Medela Symphony Breast Pumps

For more information about the Mothers' Rooms, please contact Human Resources, Diversity and Inclusion at 508- 856-5260 or Human-Resources@umassmed.edu. Additional information can also be found at: <http://www.umassmed.edu/hr/work-life/parenting.aspx>.

On Call Center (OCC)

The OCC is a 'hoteling' space for medical students and residents when scheduled for overnight call.

Location: A Level of the Hospital.

Walking from the Medical School towards the hospital, take a right into the first hallway on A Level. You will pass the Parking Office, and the Neurology Clinic and the OCC will appear on the right immediately after Interpreter Services [located between the yellow and orange elevators].

The OCC area is equipped with a kitchenette, complete with refrigerator, toaster, microwave and eating area as well as a lounge room with comfortable furniture and television for use while on call. The OCC has wi-fi and cell phone reception, which has been tested for the major carriers.

Sleeping Rooms:

- 4 multi-bed rooms that can accommodate 4-8 students each.
- 1 private room for students with special considerations.
- 3 additional private rooms are designated for resident use only in

the OCC.

Bathrooms: There are private male/female bathrooms within the OCC.

Showers: Available in the hallway by the A Level Fitness Center.

Access:

- Access to the OCC is accessible using a UMMS Student ID Badge.
- For additional security, each bedroom door is 'locked' with a Code key.

Each student will receive the code in the clerkship orientation materials provided to them at the start of any clerkship that has overnight call.

Reserving a room:

- Rooms area available on a first come - first served basis.
- A sign in sheet is located on the front of each bedroom.
- If a bed is available, sign in.
- Please be sure to change the sign on the door to reflect "Male or Female" occupants in the room for that evening.

Contacts:

- Housekeeping issues: contact the number located inside of each room.
- For administrative questions: contact Judy Holewa at 508-856-1829 or judy.holewa@umassmed.edu or the office of Student Affairs 508-856-2285.

Pagers/Beepers

Pagers are available to all medical students and are required for students in their clinical years. A monthly fee (paid in full for the upcoming academic year) is assessed. If a pager is lost or stolen, there is a \$100 replacement fee. All student pagers are coordinated through the Office of Student Affairs. Students are responsible for all monthly pager fees until the pager is returned to the Office of Student Affairs or the replacement fee is paid in full. Pagers must be returned to the Office of Student Affairs and paid in full as part of the Certification for Graduation requirement.

Parking and Access Control

Location:	HA-531 - A Level of the Hospital
Telephone:	505-856-3630 or 508-856-5934
URL:	www.umassmed.edu/parking
Personnel:	Bill Tsaknopoulos, Director Auxiliary Services Shirley A. Gould, Parking, Manager Parking Services Jessica Rosario, Access Control Specialist Christine Rothenburg, Access Control Specialist

The Parking and Access Control Department is responsible for all card access on Medical School properties.

Access coded Identification Badges (ID's) are prepared in the office, HA-531, and coded to allow entrance to both parking areas and doors, including student areas. These picture ID Badges must be displayed while on the campus. Parking for 2nd - 3rd - and 4th-year students is \$208/academic year. Students may park in any unreserved parking lot. The fee is \$104 for after 5 p.m. only. In the evenings, parking is available in unreserved and in reserved lots (excluding Level 1, 1st Rd. Garage and Clinical lot). A map of the parking lots is available when you register for parking or can also be found on our intranet web site.

Please note: First-year students may purchase a permit for \$ 208/academic year for the Plantation Street parking garage for daytime parking and are allowed to park on campus after 5:00 p.m. weekdays and 24 hours Saturday, Sunday & Holidays. The fee is \$104 for after 5 p.m. only (excluding garage reserved Level 1 and Clinical Lot).

Parking tickets are issued for violations and will result in further fines if not paid as required. Non-payment may also result in failure to renew your license or register your vehicle through the Registry of Motor Vehicles and/or affect your school registration/graduation. Appeals are made through the Parking Clerk. Forms are available at the Parking Office, the Police Station and on the UMass Intranet Parking/Access control web site (<http://www.umassmed.edu/parking>).

Photocopying

Photocopy machines are located in the copy room of the library for individual usage.

Police/Department of Public Safety

Location:	UMass Memorial Medical Center - University Campus Visitor/Patient Parking Garage Main Level
Telephone:	EMERGENCY (Police and Fire): 911 (This will ring directly to the UMass Police Dept. from all school and hospital phones). NON Emergency: 508-856-3296
URL:	www.umassmed.edu/publicsafety
Personnel:	John Luippold, Chief of Police

The University of Massachusetts Police Department is responsible for all routine and emergency police and security matters at the University of Massachusetts Memorial Medical Center, University Campus.

Police personnel are available 24 hours a day, seven days a week. Services provided by the department include all aspects of law enforcement and security matters.

University of Massachusetts Police Officers patrol both inside and outside the Medical School and the Hospital and are trained to respond to a variety of situations. All police officers have completed police training at a municipal police academy approved by the Commonwealth and have the same police powers as a city or town police officer. Should emergency police or fire assistance be needed, students should call 911 (This will ring directly to the University of Massachusetts Police Department from all school and hospital phones). For business or non emergency situations, students should call 508-856-3296.

Calling 911 from a cell phone in Massachusetts will connect the caller to the regional emergency dispatch center. The call will be re-routed to the appropriate police agency at that time.

Upon request, University of Massachusetts police officers will provide escorts to employees and students to their vehicles after dark. This is a service that medical students are encouraged to use.

The University of Massachusetts Police Department sponsors "R.A.D" - an internationally taught self-defense training class specifically designed for women. The police officers who teach this class are certified instructors. To put your name on our R.A.D. class notification list please send an email to: PoliceDepartment@umassmed.edu. You will be contacted prior to the next scheduled class.

The hospital utilizes the PA system for specific incidents that occur within the hospital building. A CODE PINK is the emergency alert and response signal at the hospital for the potential or actual abduction of an infant or child, (patient or visitor). During a Code Pink, it is important that all staff and students assist with the monitoring of hospital/school locations and report any suspicious activity to University Police.

A CODE SILVER is used for immediate threats on campus involving a handgun or shooting situation. Information related to responding to a Code Silver can be found on the Department of Public Safety and Emergency Management web sites.

For additional codes and information on response to emergencies that may affect you, please refer to the Medical School Emergency Management Web Site at: <http://inside.umassmed.edu/em/index.aspx>. This site also includes information on how you will be notified of an emergency and how you can update your contact information.

Students will be issued an identification card for access to areas within the school and hospital and should have it visible at all times. It is important to report a lost or stolen card to the Police as well as the Card Access Office at 508-856-5934.

Parking enforcement is carried out by the Parking and Access Control Department. Those who wish to appeal parking tickets can do so through the Office of the Parking Clerk at 508-856-2720. Chapter 20A-1/2 of the Massachusetts General Laws provides fines for the destruction of parking tickets. In addition, failure to pay parking fines may result in Registry of Motor Vehicle actions which could affect drivers' licenses and registration renewal.

Motor Vehicle registration/inspection/licenses: For information on owning, registering and operating motor vehicles in the Commonwealth refer to: Massachusetts Registry of Motor Vehicles at <http://www.mass.gov/rmv/>

Jeanne Clery Campus Safety Act

The University of Massachusetts Police Department prepares this report to comply with the Jeanne Clery Disclosure of Campus Security Policy and Crime Statistics Act. This report is prepared in cooperation with the local law enforcement agencies and UMMS Student Affairs. Copies of the report may be obtained at the UMass Police Department or by calling the department at 508-856-3977. You may access this report on line at:
www.umassmed.edu/publicsafety/crime-awareness/clery-act.aspx.

Student “Gifts”/Conflict of Interest

There are often questions on the part of some students about the “freebies” that are sometimes made available to students from various companies. In 2007 UMass Medical Center adopted strict conflict of interest rules that prohibit doctors and other clinical staff from eating meals paid for by companies; bans all gifts; stops drug companies from giving money directly to individual physicians and departments for education programs; and places a complete ban on doctors joining companies to give talks about products. For additional information please refer to the Conflict of Interest Policy; Human Resources; General Administration Policy #06.05.02 and/or Vendor Relations Conflict of Interest Policy.

Student Groups/Organizations

UMMS has a wide array of opportunities for students to participate in. These opportunities vary and include interest groups, free clinics and educational experiences.

A complete listing of all UMMS student groups/organizations can be found on the Student Affairs web site at <http://www.umassmed.edu/studentaffairs/organizations/studentorgs.aspx>

The Student Body Committee (SBC) is the administrative arm of the student government and oversees all student groups and organizations. See information on the SBC in the Governance section of this handbook.

Process for becoming a recognized student group:

The process for becoming a recognized student group is handled through the Office of Student Affairs and the Student Body Committee.

1. Obtain a faculty sponsor.
2. Prepare a brief statement including the following information:
 - The goals and objectives of the proposed group.
 - The proposed group's expected target audience.
 - The approximate number of students in the proposed group.
 - The name of the faculty sponsor.
 - Indicate type of funding. (i.e.: outside funding vs. requesting funding through the SBC for groups activities).
3. Forward this statement to the SBC co-presidents and the Office of Student Affairs (Judy Holewa and Lynn Desforges).
4. The SBC co-presidents will review each request and respond accordingly.

Student Body Committee Funding Policy

In order to facilitate student activities and events, the Student Body Committee (SBC) shall appropriate its budget according to the following policies:

1. Only groups officially recognized by the SBC will be eligible to receive funds.
2. Funding will be approved by the SBC president(s) and reported to the SBC treasurer for record-keeping purposes.
3. Funds will be appropriated according to the expected or actual number of students attending the event as indicated on the SBC Funds Request Form (see Item 2 below).
4. Funding for a single event does not typically exceed \$200, although the final amount will be determined on a case-by-case basis as described in Item 3 above.
5. The SBC typically funds one event for a group per semester although exceptions can be discussed with the SBC president(s).
6. The SBC strongly encourages groups to approach the appropriate departments for assistance in funding events prior to making requests to the SBC.
7. SBC funds cannot be used for purchasing alcohol.

When requesting funds, the following procedure is to be followed:

1. Apply for group recognition from the SBC by emailing a mission statement and the names of the group leaders and faculty advisor to the SBC president(s), Judy Holewa and Lynn Desforges.
2. No later than one week prior to your event, fill out the SBC Funds Request Form and return it in person or to the mailboxes of the SBC president(s) who will grant funds according to the policy

above and sign it.

3. At least three days before your event, return the signed SBC Funds Request Form to Judy Holewa along with the SBC Credit Card Request Form signed by you.
4. After making your purchases, promptly return the SBC credit card along with an itemized receipt of your purchases to Judy Holewa.
5. Purchases made with the SBC credit card should not be charged Massachusetts state sales tax. In addition, while reimbursement is possible, use of the SBC credit card is preferred.

REVISED: 3/2010

Student Housing

UMMS does not have on-campus housing; however, there is a 'Housing Board' accessible from the GSBS website: <http://www.umassmed.edu/gsbs/studentsfaculty/housing.aspx>. There are also bulletin boards in the hallway by the student lounge that have housing listings as well as other opportunities posted.

ROOMATES

In an attempt to facilitate incoming medical students with their search for roommates, the Office of Student Affairs will send accepted students (and interested enrolled students who request it) a link to an editable Google.doc. This Google.doc is only available from May through August. There is absolutely no obligation to participate.

Student Lounge

The student lounge is located on the First Floor of the Medical School's Student Wing. The lounge is a large area designated as a home base for UMass students and residents. It is equipped with comfortable furniture, wide-screen TV, DVD player, stereo, ping pong table, pool table and fooseball table. There are vending machines, refrigerators, microwaves and toasters available for student use 24/7.

Student Telephone Messages

The University of Massachusetts Medical School is not responsible for telephone messages for students. Calls received for students are referred to the Office of Student Affairs. The Office of Student Affairs will attempt to contact the student only if the call is considered an emergency.

No student's home phone number or address will be released through any department to anyone except in case of emergency, and only then at the discretion of the associate dean of student affairs or the Registrar.

Internal and paging response phones are located in halls/lobbies/cafeteria. Pay phones are located on the first floor of the Medical School (near the elevators) for outside calls.

SECTION NINE: STUDENT HEALTH & WELLNESS

Blood-Borne Pathogen Exposures (HIV/Hepatitis B/C & “Needlestick”)

Procedure following Blood/Body Fluid Exposure:

Students who experience a critical exposure such as blood, visibly bloody fluids or other body fluids e.g. cerebrospinal, synovial, peritoneal, pleural, amniotic, semen, vaginal secretions from a needlestick/cut or splash to eyes, mouth, nose, or open cut:

1. Gently bleed, wash, flush affected area with soap and water.
2. Page the BUGS beeper:
Internal: 77-BUGS (2847)
External: 508-334-1000 request the operator page BUGS (2847)
3. Notify your supervisor/supervising resident (if there is one) and clerkship director.
4. Obtain initial evaluation. DON'T DELAY. It is important to be evaluated within two hours of exposure. You may need immediate treatment.

GO to the appropriate place for evaluation and treatment:

- Employee Health University Campus 774-441-6263 (M - F 7 a.m. - 4 p.m.)
 - Employee Health Memorial Campus 508-334-6238 (M - F 8 a.m. - 4 p.m.)
 - Employee Health 210 Lincoln Street 508-793-6400 (M - F 8 a.m. - 4 p.m.)
 - If after hours, go to the Emergency Department.
 - DO NOT go to Student Health for any immediate attention for a needlestick/body fluid exposure.
 - At all other sites (rotation/clinical), students should follow the protocol at that site for initial treatment and follow-up will be provided through Student Health.
5. Fill out incident report (available in each department) and bring to Student Health.
 6. All students with exposures will go to Student Health for Follow-up after initial visit in the ER or with Employee Health.

Employee Health Services will work and advise Student Health Services regarding any necessary follow-up treatment and counseling. Blood-borne pathogen exposure definitions, procedure, immediate and follow-up treatment, is described in UMass Memorial Medical Center's policy # 5026 “Employee Health Services Blood-Borne Pathogen Exposure of Health Care Workers (HCW) Policy and Procedure,” located in the UMass Memorial Centerwide Policy/Procedure and Guidelines Manual.

Students Infected with a Blood Borne Pathogen

The University of Massachusetts is committed to a policy of non-discrimination and protecting the legal rights and privacy of students infected with blood-borne pathogens while also protecting the health of the public. A student who is infected may attend the University of Massachusetts School of Medicine; however, certain restrictions may be imposed on the scope of the infected student's training. Actual recommendations and advice to the student will depend on current medical findings and standards of practice.

All matriculated UMMS students will have their Hepatitis B immunity status confirmed as part of the School's immunization policy. Although testing for hepatitis C and human immunodeficiency virus is not required for attendance at UMMS, it is the professional responsibility of any student who has risk factors for these diseases to make arrangements for serologic testing.

Students who are aware that they are infected with a blood-borne pathogen [including but not limited to Hepatitis B virus (HBV), Hepatitis C virus (HCV) and Human Immunodeficiency virus (HIV)], if not currently under the care of a personal physician, are strongly urged to contact the Student Health Service so that appropriate medical treatment may be instituted or continued.

Students infected with a blood-borne pathogen must avoid circumstances in which they could potentially transmit their infection to others. They are required, therefore, to disclose their infection status to the assistant dean for student advising in order to arrange any necessary adjustments to their educational program. Such notification is considered a professional responsibility of the student, and failure to disclose blood-borne pathogen infection status will be grounds for disciplinary action, up to and including dismissal from the medical school.

The University of Massachusetts School of Medicine reserves the right to restrict students who may transmit blood-borne pathogens from situations that place others at risk. Reasonable adjustments may be made for any student who has tested positive for a blood-borne pathogen to be able to continue medical education. Restrictions and adjustments will be determined on a case-by-case basis by the UMMS Blood-Borne Pathogen Review Panel. In addition, the assistant dean for student advising will provide career guidance and elective rotation oversight to all students who have a blood-borne pathogen infection. Every reasonable effort shall be made to maintain confidentiality regarding the blood-borne pathogen status of students. Nevertheless, before an infected student begins a clerkship, directors and supervisors of that clerkship may be informed on a need-to-know-basis of

limitations imposed on the student's activities. In the event that an urgent determination is required, the assistant dean for student advising will issue temporary restrictions.

The full UMMS Policy regarding Medical Students with Blood Borne Pathogen Infection (<http://inside.umassmed.edu/content.aspx?id=23518>) contains a list of some of the procedures which infected students may not be allowed to undertake or participate in. Students infected with blood-borne pathogens should be aware that, based on current medical knowledge and practice, they may be restricted from future residency training and specialty practices which require the performance risk-prone procedures.

A student infected with HBV, HCV, or HIV may continue in the MD program as long as he or she is able to carry out the physical and intellectual activities of all students as outlined in the UMMS Technical Standards.

Demonstrated competence on Standard Precautions is required of all students in clinical programs of the University of Massachusetts School of Medicine. Any student who may have exposed others to their blood or bodily fluids in a clinical situation has a professional responsibility to notify the patient's attending physician or supervising faculty member and to comply with the applicable reporting and follow-up policies and protocols of the clinical site where the incident occurred. As professionals concerned with the health of others, it is strongly recommended that students involved in such incidents consent to undergoing diagnostic testing for blood-borne pathogens as defined in the school's policy on "Medical Students with Blood Borne Pathogen Infection."

In addition to the UMMS Policy, students on clinical rotations are also subject to the blood-borne pathogen disease policies for health care workers at those individual host sites.

The complete UMMS Policy regarding Medical Students with Blood Borne Pathogen Infection can be found at <http://inside.umassmed.edu/content.aspx?id=23518>.

Disability Insurance

The Medical School ensures that medical students are covered by disability insurance. This insurance is required and is paid for by student fees. Benefits begin after 90 consecutive days of disability and include coverage for blood-borne pathogens.

Upon completion of medical school the coverage is portable to a residency and then to medical practice at the option of the graduate. Details of the policy are available in the Office of Student Affairs or online at www.medplusadvantage.com.

Exercise Facilities, Student

The Albert Sherman Center (ASC) Fitness Center

Hours: 24 hour, 7 days/week - access via student ID badge
Contact: Fitness Center Staff at Fitnesscenter@umassmed.edu
Telephone: 1-774-455-3500
Manager: Karen Neal, Karen.Neal@umassmed.edu

UMass ASC Fitness service is provided by AdvantageHealth Corporation, a respected source for results-oriented programs that promote wellness and productivity. The UMass Albert Sherman Fitness Center (ASC) is located on the third floor of the Albert Sherman Center building and is open 24/7. All matriculated students are able to register free of charge as the cost is included in their tuition. Employees/non-matriculated students can join the ASC Fitness Center for a monthly fee. The ASC Fitness Center is staffed between the hours of 6 a.m. and 8 p.m. Monday through Friday. This brand new center consists of a large open concept room equipped with cardiovascular equipment (concept 2 rowers, treadmills, elliptical machines, stationary bikes, etc.), a variety of free weights and other state-of-the-art LifeFitness equipment. Also featured in the main room is a Synergy 360 Machine. Take your workouts to another level or sneak a quick workout in with hanging bags, monkey bars, box jumps, TRX and more. Whether your interests include fitness improvement, stress relief, conditioning, fun or wellness and recreation, the ASC Fitness Center community has an offering that is right for you.

We offer everything from yoga/Pilates and kickboxing to group-cycle, metabolic style training and high intensity interval training. If you prefer a more personalized approach, we have a qualified staff of personal trainers and fitness-wellness specialists that can tailor a program just for you. We also hold a variety of wellness programs to facilitate your motivation, to expose other facets of wellness, and to help you to break through your fitness plateaus.

Group Fitness Classes

All group fitness classes are included in your membership free of charge.

- Core conditioning
- Strength training
- Group Cycling
- Pilates
- Yoga
- Kickboxing
- Bootcamp
- Interval Training
- And more...

To apply for membership:

1. Come to the fitness center or find our forms on our website. Complete the membership application form.
2. Return forms with payment information (all memberships are to be paid via credit or debit card) to the fitness center between the hours of 6 a.m. - 8 p.m.
3. All members will be granted access to the center via their UMMS ID badge. Please allow up to two business days for processing and badge activation.

Flu Vaccination Policy for UMMMC; Supported by UMass Medical School

UMMMC Influenza Immunization Policy Summary

Audience:

Segment 1:

All physicians, licensed independent practitioners, graduate medical education trainees, and medical students are required to receive a flu vaccine shot prescribed for the specified flu season unless they receive an exemption for medical or religious reasons. Those with an exemption (whether religious or medical) must wear a surgical mask while in clinical care buildings on the University, Memorial and Hahnemann campuses (Clinical Care Buildings) during flu season.

Segment 2:

All other UMMMC workforce members* not listed above, receipt of the influenza vaccination is strongly encouraged. Annual influenza vaccination or the proper wearing of a hospital approved surgical mask while at work in Clinical Care Buildings during the flu season is required for all other UMMMC Workforce members not listed above, including employees, contracted and vendor personnel, volunteers and trainees.

Effective Date:

Flu season typically occurs sometime between November and March. The exact dates for wearing respiratory protection will be determined by UMMMC and announced.

Where Can I Get a Flu Shot?

Flu shots will be available at fairs held across many UMMMC and UMMS locations.

Also, employees can receive their flu shots from the three Employee Health Services offices on a walk-in basis.

UMass students receive their flu shots at Student Health Services.

Flu Vaccination Evidence:

This year, those receiving flu shots will not receive a sticker to apply to their identification badge to indicate they have received the

vaccine. Employee Health Services will keep a record of influenza immunizations, consents, declinations and exemptions. In addition, periodic compliance reports will update managers on the immunization rates and declinations or exemptions of staff who work in their areas.

Wearing a Mask Process:

Surgical masks will be available in the main lobbies of the three Medical Center campuses as well as on the first floor of the University Campus, where the school meets the hospital.

Locations to Wear The Mask:

Masks will need to be worn in the clinical care buildings at the Medical Center during influenza season. Masks will not be required while entering or exiting the building, in elevators, in the cafeteria, in closed maintenance rooms or in closed break rooms.

*Definition of UMMMC workforce: All employees, contractors, volunteers, vendors, trainees (including medical and nursing students, interns, residents, allied health professionals and business students), members of the medical staff, including employed and private physicians, licensed independent practitioners, graduate medical education trainees, temporary employees, per diem employees, and other persons employed, credentialed or under the direction and control of UMMMC whether or not they are paid by UMMMC.

Summary policy can also be found <http://inside.umassmed.edu/content.aspx?id=46440>.

**N95 Respirator Fitting/Mask FIT Testing
(Patients with Respiratory Pathogens)**

The Clinical System is REQUIRING that all students follow recent CDC infection control recommendations that healthcare workers protect themselves from diseases potentially spread through the air (such as H1N1 or tuberculosis) by wearing a fit tested respirator such as a NIOSH-approved N95 respirator.

All entering students are required to have been cleared by Student Health Services (SHS) and Environmental Health and Safety (EHS) for either N-95 respirator mask fitting or PAPR mask fitting prior to entering any clinical site.

This process will take place beginning in the 1st year of medical school. Student will receive an email containing a medical clearance form to be completed and sent back to SHS. Once cleared, you will be instructed to call Environmental Health and Safety (EHS) to arrange for a mask fitting.

Students not medically cleared to be fitted for the N-95 mask will need to be trained for the PAPR which would be arranged through EHS. Con-

ditions would include certain medical conditions such as poorly controlled asthma or extensive facial hair.

Any students not cleared by SHS and EHS for either N95 or PAPR mask fitting might not be allowed to participate in clinical rotations. (revised 06/25/10)

Sensitive Medical and Counseling Care of Students by Faculty and Residents

Policy Statement

In order to ensure that there is no conflict of interest between the roles of faculty and resident physicians functioning as physicians or therapists and the roles of faculty and resident physicians in academic evaluation and promotion, the designated director of a course or health delivery service is responsible for a plan to ensure that health professionals who provide psychiatric/psychological counseling or other sensitive health services to a medical student must have no involvement in the academic assessment or promotion of the medical student receiving those services.

Definition: Sensitive medical care: Because any medical care may become sensitive, “sensitive medical care” is considered to be any medical care.

Exemptions: Emergency situations or other situations in which lack of involvement by physicians, residents or other healthcare professionals would compromise patient care are exempted from the above policy.

Enforcement: Under the leadership of the associate dean for student affairs, oversight for this policy will rest with the Office of Student Affairs. The policy will be stated in the handbook and disseminated to all affiliates.

EPC policy passed 2012

Stress Reduction Program

The Center for Mindfulness and the Stress Reduction Clinic offers a reduction in regular tuition to active medical students of the University of Massachusetts Medical School. Medical Students can enroll in the 8-Week MBSR Stress Reduction Program at a tuition of \$100 per cycle. The CFM SRP accepts up to three students each cycle, a total of twelve per year. Should there be more than three per cycle, they will be accepted on a case-by-case basis.

Process:

1. Call the Stress Reduction Program to enroll in an orientation and a class.
2. Notify the staff that you are a Medical Student
3. Attend Orientation

4. Enroll in the program
5. Pay your tuition fees

For additional information please contact the Center for Mindfulness in Medicine, Healthcare, and Society at 508-856-2656

Student Counseling Services

Location: S1-620 (behind the Medical School Library) Enter the library, head toward the Computer Lab in the back-right corner then proceed through the brown steel door. There will be signs for SCS.

Tel: 508-856-3220

Fax: 508-856-3036

URL: <http://www.umassmed.edu/psychiatry/studentcounseling.aspx>

Hours: Office Hours for Administrative Assistant
Monday - Friday 8:15 a.m. - 2:15 p.m.

Personnel: Alan Brown, MD, Vice Chair for Adult Psychiatry
Ruthann Rizzi, MD, Director
Phoebe Moore, PhD, Associate Director
Marianne Smith, MD
Ashley Hart, PhD
Michele Eberhart, Administrative Assistant

Scheduling: To schedule an appointment with a clinician on the Student Counseling Service, please call: 508-856-3220 or email: SCS@umassmed.edu.

Services eligible to all:

- Medical Students
- GSBS Students
- GSN Students

Services provided:

- Consultation and Evaluation
- Psychotherapy
- Medication management
- Assistance with stress management

Drop-In Clinic:

Established patients will be seen by Dr. Rizzi for uncomplicated medication refills or other quick needs.

No appointment is necessary, but early arrival is recommended as students will be seen on a first-come-first-served basis.

Drop-In clinic hours are posted on our website at <http://www.umassmed.edu/psychiatry/studentcounseling.aspx>. We will post any drop-in clinic announcements or changes to our website; please check the website if you wish to be apprised of such.

Mental Health EMERGENCY:

If a mental health emergency arises:

- Please try to call our office first at 508-856-3220
- Outside business hours please call Emergency Mental Health at 508-856-3562 and ask to have Dr. Rizzi paged at 4261.

Short Term/Long Term Use

Many students want to cope more effectively with difficult or stressful academic situations, while others seek counseling to deal with broader life issues. Some students come because of more serious, troublesome, and/or chronic difficulties in their lives.

While short-term counseling is most common, it is possible, when time permits, for students to be seen for an extended period. Medication is prescribed when needed.

Privacy and Confidentiality

SCS maintains strict standards of privacy and confidentiality. Records are kept separately from students' general medical records.

No information about a student's contact with the service or information obtained in counseling is released to anyone outside the counseling service staff, including school or hospital administration, faculty, family, or other students, without the knowledge and written consent of the student, unless required by law or in the rare instance of an emergency situation involving someone's safety.

Fees/Insurance

The costs of these services are covered by the prepaid Student Health Plan fee; there is no insurance billing and no additional charge to students for using SCS.

Student Health Service

Location: 1st floor of the Benedict Building - University Campus - Family Medicine Dept.

Telephone: 508-334-8464

508-334-2818: Family Medicine Clinic (appointment line/triage)

Emergency: 911

After hours/weekends: 508-334-2818 for the doctor on call.

Fax: 774-443-2350

Prescription refills: 508-334-2818

(Please have your refill information with you when calling)

Email: studenthealth@umassmemorial.org

Hours: Student Health Services: Monday - Friday 7:30 a.m. - 4 p.m.
(Closed for lunch from 12:30 p.m. to 1:30 p.m.)
Family Medicine Clinic: Monday - Friday 8 a.m. - 5 p.m.
Lab: Monday - Friday 7 a.m. - 6 p.m.

URL: <http://www.umassmed.edu/studenthealth/index.aspx>

Personnel: Phillip Fournier MD, Director of Student Health Services
Amy Mahoney ANP, BC, Student Health Nurse Coordinator
Lori Davis, Student Health Secretary

For administrative questions call 508-334-8464 or e-mail Lori Davis at Lori.davis@umassmemorial.org, or you can use our general e-mail: studenthealth@umassmemorial.org. If you have a billing concern, please e-mail Nancy Whalen at nancy.whalen@umassmemorial.org.

Process to Make an Appointment:

- If you have a health concern/illness/injury and would like to be seen, please call the Family Medicine Office at 508-334-2818.
- If you have a health emergency, please call 911.
- Family Medicine is not a walk in clinic.
- Check-in for appointments at the Family Medicine windows.
- Always identify yourself as a UMass student.
- Describe your illness/injury to the triage nurse.

E-mail is the preferred method of communication.

Practicing physicians in the FHS/SHS:

- * Phil Fournier, MD (Director, SHS)
Robert Baldor, MD
Joe DiFranza, MD
- * Mary Lindholm, MD
Kristen Mallett, MD
Lynn O'Neil, NP
Ed Zaccaria, MD

* In the case of faculty having education leadership positions within the School of Medicine such as clerkship director, learning communities mentor, those faculty members will not be available to be the PCP for medical students and medical care will be limited to urgent situations only.

If you are enrolled in the BC/BS student health insurance plan, the Student Health Service is automatically recognized as the required source of referral. If you are insured through a different plan, you can still use the SHS, as long as your insurance is accepted by UMass Memorial, which accepts most plans.

If you already have an established PCP who is in the BC/BS network, or would like to select a different UMass Memorial physician as your PCP, either on the University campus or in the community at a non-teaching site, we can arrange for you to do so and have this physician be recognized by BC/BS as your PCP for referral purposes. However, to do so you MUST contact SHS to complete the PCP enrollment process.

Student Health Clearance

The University of Massachusetts Medical School requires all students admitted to the Medical School to complete the Student Health Clearance process prior to matriculation. This policy was developed to decrease risk of transmission of potential infectious agents, and it is part of each student's professional responsibility to maintain this clearance throughout his/her educational experience at UMMS. All clinical sites within UMMS and outside of UMMS require documentation of medical clearance prior to starting any clinical educational experience. Student Health Services (SHS) is responsible for tracking this clearance process for all students and notifying students who need updated clearance information.

The SHS office can help with any questions regarding the clearance paperwork and can assist with resources to help complete the process. Forms that must be completed can be downloaded from the Student Health Services (SHS) website at <http://www.umassmed.edu/studenthealth/index.aspx>. For additional information, please call (508) 334-8464.

Any student who fails to comply with SHS requests to complete the clearance process by the first day of class will be reported to the associate dean of student affairs and the Registrar's Office for further action including suspension of registration which would result in being withheld from classes and all clinical educational experiences.

Student Health Insurance

- MA law requires all students to carry health insurance.
- The University offers one health insurance plan with BC/BS.
- You have the option to enroll in a plan through UMass or purchase Insurance with a company of your choice.
- Students may also purchase dependent coverage (spouse, children) for an additional cost after the completion of their enrollment in the Student BC/BC health insurance plan.
- Students may also enroll in an optional dental insurance plan with Delta Dental for an additional cost.

The Bursar's Office is responsible for assisting students with health/dental insurance enrollment. Please contact the Bursar Office at 508-856-6612 with any questions related to enrollment in the BC/BS plan offered.

Please click on the link below for an overview of the UMass Worcester student health plan offered by BC/BS and a summary of benefits: www.universityhealthplans.com.

You may also call them toll free at 1-800-437-6448.

revised 05/24/11 LDSHS

Student Health Fee

The Student Health Fee is different from the student health insurance plan.

- This fee is MANDATORY for all students whether or not they have the health insurance plan or their own insurance.
- Half of the fee goes to student counseling service and the other half goes to SHS. The SHS half pays for physician and nurse services in the SHS, waiver of co-pay in the SHS, administrative support, and immunizations and infectious disease titers when needed.
- The other half of the fee covers Student Counseling Services. This portion of the fee allows these visits to be covered at no cost to the student. Please refer to the Student Counseling link for details. <http://www.umassmed.edu/psychiatry/studentcounseling.aspx>.

revised 02/08/11 LDSHS

Tuberculin Skin Testing Policy

All students are required to have a yearly tuberculin skin test (TST) previously called a PPD test. A 2-Step screening is required for all new students entering the medical school, graduate school of nursing, or GSBS. A 2-Step TST is done to reduce the likelihood that a “boosted effect” will be misinterpreted as a recent infection or new conversion. The “booster effect” is a delayed-type of hypersensitivity reaction. A positive reaction to the second test probably is a boosted reaction (indicating past infection with tuberculosis - or very rarely an infection with another related bacteria or a reaction to BCG vaccination). The 2-step policy is designed to reduce the potential of overestimation of new infections. Therefore 2-Step testing is used for initial skin testing of adults who will be periodically retested, such as health care workers. A 2-Step test is defined as two TST’s done within three months of each other. Ideally the optimal time for new students would be within one - four weeks of each other.

If you have had a 2-Step test in the past, then all you will need is yearly TST. If you have had a test greater than 12 months, even if that was negative, than a 2-Step is required. If you have had a positive TST in the past then no TST is required (contact SHS for details).

The Quantiferon Gold Test and T-Spot are two different blood tests that also test exposure to tuberculosis- either test is accepted as an alternative to the 2 Step TST upon entrance. Student Health may also use this test in certain circumstances to verify new conversions or questionable reactions.

For all students who have had a clinical rotation in a healthcare setting in a high endemic area for tuberculosis (contact SHS for a list of these countries) a TST between 8 and 12 weeks after return to the US is required.

All students who have had a known exposure to an individual with active tuberculosis within the preceding 6 months would require a TST performed between 8 and 10 weeks after the exposure.

Note that the BCG vaccination given to individuals in countries with a high endemic rate of tuberculosis boosts the immunity of children to tuberculosis, but does not prevent infection with the organism. In countries where tuberculosis is rare, individuals who receive a BCG vaccination usually stop having a positive TST reaction after 5-10 years (even when tested with a 2-step TST). Consequently, an individual who received BCG in childhood who has a positive TST as an adult very likely has latent tuberculosis infection, and should consider receiving preventive therapy for this condition.

(SHS 12/06:Revised 06/12/2012)

SECTION TEN: ADDITIONAL SERVICES

Admissions (Office of)

Location: S1-112, First Floor, Student Wing

Telephone: 508-856-2323

Personnel: Mariann Manno, MD, Interim Associate Dean for Admissions

Karen Lawton, MBA, Director of Admissions

Anne Butkiewicz, Administrative Assistant

Brenda Fusaro, Administrative Assistant

John Trobaugh, MFA, Intercampus Liaison for Educa. Initiatives

URL: <http://www.umassmed.edu/som/admissions/index.aspx>

The University of Massachusetts Medical School accepts applications from residents of the Commonwealth of Massachusetts for the first year and advanced standing regular M.D. program positions. Application to the MD/PhD program is not restricted to residents of Massachusetts. All applications are reviewed by the Admissions Committee, which is composed of 22 faculty and two student members.

Applicants who are invited for an interview are given a tour of the Medical School by students. Students who are interested in giving tours or serving on the admissions committee may contact their student representatives or Karen Lawton, Admissions Office.

Alumni and Parents Relations (Office of)

Telephone: 508-856-5520/508-856-8300

Personnel: Anastasia Gray, Director

Kendra Vandervalk, Administrative Assistant

The Office of Alumni and Parent Relations works to strengthen life-long relationships between alumni and their alma mater and cultivate more meaningful personal and financial commitments to UMass Medical School. The office creates, promotes, and encourages opportunities for School of Medicine alumni to connect with each other and UMass Medical School. The office also fosters an engaged exchange of information and sentiment between alumni and the medical school, and enhances alumni collaboration and involvement that furthers the mission of UMass Medical School.

The Office of Alumni and Parent Relations maintains a database on alumni of the School of Medicine, Graduate School of Nursing, Graduate School of Biomedical Sciences and Graduate Medical Education. Students wishing to contact alumni for assistance in identifying housing during internships, interviews and clerkships, or to make inquiries about residency programs should contact the Alumni Office. The office also sponsors various programs and events for alumni and student throughout the year. Class representatives from each of the graduated classes are selected to serve as liaisons for reunions and alumni class events.

Parents' Association

The Office of Alumni and Parent Relations also coordinates the activities of the UMMS Parents Association, established to support Medical School students, educate parents and nurture the relationship between parents and the school. The Association is a vital link between parents and the Medical School. It enables parents to both actively participate in the life of their son/daughter and interact with and lend support to other parents. The office organizes and participates in activities such as the First-Year Parents Orientation, Second-Year Class Oath Ceremony, Mom and Pop Med School Lecture Series and the Annual Parents Dinner. All parents are invited to become involved with the Association.

Communications (Office of)

Location: S4-228, Fourth Floor

Telephone: 508-856-2000

URL: <http://www.umassmed.edu/communications/index.aspx>

Personnel:

Mark Shelton, MFA, Interim Vice Chancellor, Communications

Lisa Larson, Managing News Media Producer

Lisa Barry, Administrative Coordinator

Ellie Castano, Content Editor

James Fessenden, News Media Producer

Bryan Goodchild, Videographer/Editor

Sandra Gray, Content Editor

Paula MacDonald, Executive Assistant

Kristen O'Reilly, Managing Editor for Publications and Special Projects

Donald St. John, Senior Web Editor

The Office of Communications is the official source of news and information at the University of Massachusetts Medical School.

The OC is committed to keeping our colleagues, students, alumni and donors connected to the institution. We embrace a newsroom philosophy and develop original written, video and other multimedia story content that showcases the breadth and depth of UMMS. OC staffers identify and produce compelling stories relating to our world-class academic, research, clinical and community work. Those stories are told online daily @ UMassMedNow (umassmed.edu/news) and in UMassMed magazine

Our expert media relations team works closely with journalists and bloggers to bring UMMS' impressive people, stories and discoveries to audiences down the street, across the country and around the world. The OC media team strives to place faculty experts and UMMS news in top print, broadcast and online media markets. Our team members are former print and broadcast journalists skilled at making the pitch and interview process easy on faculty and reporters alike. The OC media team manages the communication process during campus emergencies. We are the main distribution channel for leadership and institutional messages.

The OC manages the official identity of UMass Medical School. We offer links to official logos and language about UMMS plus our PowerPoint template. In our Help Library you can find an overview PowerPoint presentation on UMMS plus stock photography to complement your own projects and presentations. If you require assistance with printing, writing or website creation we are happy to connect you with reliable vendors.

Continuing Medical Education

Location: S4-124

Telephone: 508-856-3041

Fax: 508-856-6838

URL: www.umassmed.edu/cme

Personnel: Denise Leary, Manager, Business Operations

The primary objective of this department is the provision of quality educational opportunities to medical school faculty, students and graduates as well as physicians and other health care professionals. This office, in conjunction with UMMS faculty, develops professional meetings, conferences and symposia for local, regional and national audiences. As part of their required curriculum, students are provided with certificate level emergency courses (e.g.: BLS, ACLS, ATLS) through this department. Students may also audit any other programs offered by Continuing Education throughout the year.

MassAHEC Network

Location: 333 South St.
Shrewsbury, MA 01545

URL: www.umassmed.edu/ahec

Telephone: 508-856-4305

Personnel: Linda Cragin, MS, Director
Mary Philbin, MEd. Director, Education and Training
Lisa Morris, Director, Cross Cultural Initiatives
Joanne Dombrowski, Project Coordinator

Among the many programs and people that will contribute to your education over the next four years is the MassAHEC Network. AHEC, which stands for Area Health Education Center, is a federally funded program that is available nationally and collaborates with the National Health Service Corps and other programs focused on improving access to care for underserved populations.

The MassAHEC Network includes six community-based agencies located in medically underserved communities across the state. These centers are active partners in the Population Health Clerkship, several interclerkships, as well as the Rural Health Scholars and Pathways programs. MassAHEC also supports community based primary care clerkships.

Rotations and learning experiences in other states are made possible through partnerships with other AHEC centers across the country. Students have gone to AHEC centers outside of Massachusetts, including Montana, Vermont, Indiana, Maryland and Colorado.

MassAHEC will also contribute to your experiences in less visible ways. As a physician, you will work with other members of the health care team. MassAHEC has a long-standing commitment to support the effectiveness of the health care team, particularly by improving access to health care for culturally/linguistically diverse populations. When you work with a medical interpreter or a community health worker, they were most likely trained by MassAHEC. If you need help drafting patient education materials or a flyer for community work, MassAHEC can help with ensuring that those materials will be understood by the people you are working with, written in clear language and translated as needed into the language or languages spoken in the community.

The New England AIDS Education and Training Center (NEAETC)

Location: Central Office: 23 Miner Street Boston, MA 02215

URL: <http://www.neaetc.org>

Telephone: 617-262-5657

Fax: 617-262-5667

Personnel: Donna Gallagher, RNCS, MS, ANP, FAAN, MA
PI/Director NEAETC a program of Commonwealth Medicine

The New England AIDS Education and Training Center (NEAETC), a federally funded program, offers HIV/AIDS education for healthcare providers, residents, and students throughout the six New England states. The goal of NEAETC programs is to educate and train health-care providers to be more effective as they counsel, diagnose, treat and manage individuals living with HIV/AIDS, as well as assist in prevention efforts. The NEAETC maintains an active Web site as well as a library of curricula, resource materials and CDs/DVDs on HIV. These are all available for student use. This website also provides links to the nationwide network of AIDS Education and Training Centers (AETC's).

NEAETC is the only major health professions education program that educates the six New England states' workforce about the most up to date approaches to caring for HIV and AIDS patients. In 2007, this program served more than 10,000 caregivers; it remains one of the 11 such centers nationally that has been supported by the federal government (Health Resources Services Administration) for over 20 years.

In addition, NEAETC supports the New England HIV Education Consortium (NEHEC), the Health Resources and Services Administration, Minority AIDS Initiative (MIA) program and is a training and education program serving all six states in the New England region. The principal goal of NEHEC is to address the HIV-related training, educational and support needs of the full spectrum of providers as they provide state-of-the-art, quality and compassionate care to individuals living with HIV/AIDS. Innovative training formats emphasize the needs of minority providers, providers serving racial/ethnic/linguistic minorities and communities of color, and those working in settings funded by the Ryan White CARE Act. NEHEC is a collaborative project, featuring a consortium of community-based AIDS-service organizations, multicultural training agencies, community health centers and peer-led agencies. NEHEC activities include several levels of training opportunities, information dissemination, and support in a variety of formats, targeting health care workers with different levels of experience and expertise, in different geographic and workplace settings and with varying access to HIV-related training opportunities.

The Summer Service-Learning Assistantship Program

Location: Department of Family Medicine and Community Health
3rd Floor, Benedict Building

Personnel: Suzanne Cashman ScD
Heather-Lyn Haley, PhD

Telephone: 774-442-2930
774-441-6366

Background: The Summer Service-Learning Assistantship Program offers medical students who are just completing their first year of medical school the opportunity to work in a variety of community-based health, education and human service organizations for up to six weeks during the summer months after the first year of medical school.

The main goals of the program are to:

- Provide unique service-learning experiences for future physicians.
- Offer medical students an opportunity to explore ideas and a focus for a Capstone project.
- Help students understand the connection between an individual's health and a community's health.
- Enhance students' understanding of the community healthcare problems and needs of underserved populations as well as resources and programs to meet those needs.
- Provide community based organizations with needed staffing and services.

Through this program, the University of Massachusetts Medical School establishes and/or strengthens relationships with community-based health, education and human service organizations that work with underserved populations across the state. Financial support is provided by the Office of Undergraduate Medical Education, the Department of Family Medicine and Community Health, the Massachusetts Area Health Education Network, and the Center for the Advancement of Primary Care.

The Summer 2012 Service-Learning Assistantship Program proved to be highly successful, with many key community agencies expressing interest in participating as host community sites and a strong group of enthusiastic community-engaged medical students applying to the program. Students were placed in agencies located in Worcester, North Adams, Boston and Martha's Vineyard for five to seven weeks of part-time or full-time work. Their experiences ranged from working as a medical assistant in a community health center, to functioning as a medical advisor for an environmental day camp, to advancing the work of the student-Initiated WooFood healthy dining restaurant certification program, to strengthening activities of a Healthy Youth Task Force, to conducting a community needs assessment. Five times during the course of the summer, students met with the UMMS faculty coordinators to discuss and reflect upon their experiences using a semi-structured discussion format. As a means of enhancing the learning experience, students kept journals and presented posters at the conclusion of the summer.

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Directions to the University Campus of UMass Worcester

By Automobile

From the Mass Pike:

Eastbound: At exit 10, take I-290 east to exit 21, turn right at end of ramp and follow Plantation Street south.

Westbound: At exit 11, turn left onto Route 122 north for one mile, turn right at third light onto Sunderland road, left at first light onto Lake Avenue for 2.5 miles and cross Route 9. Make U-turn at second break in divider, then turn right into campus.

From I-495:

Northbound: At exit 23, take Route 9 west. Follow Route 9 west for approximately 11 miles. After crossing the Lake Quinsigamond bridge, take first right onto Lake Avenue.

Southbound: At exit 25, take I-290 west to exit 22, turn right at end of ramp, at second traffic light turn left at onto Plantation Street and proceed south.

From I-190:

At the merge with I-290 Shrewsbury exit (watch for exit ramp on left), take I-290 east to exit 21, turn right at end of ramp and follow Plantation Street south.

From I-290:

Eastbound: At exit 21, turn right at end of ramp and follow Plantation Street south.

Westbound: At exit 22, turn right at end of ramp, at second traffic light turn left onto Plantation Street and proceed south.

By other transportation

Worcester is served by rail, through the Massachusetts Bay Transportation Authority (MBTA); by the Greyhound and Peter Pan bus companies; and from Boston's Logan Airport and Providence's T.F. Green Airport.

Locally, the Worcester Regional Transit Authority's #24 bus (Belmont Street/Lake Avenue) provides service to the UMass Worcester Campus. Please call the WRTA at 508- 791-9782 for the route and schedule.

- Logan International Airport (Boston) 800- 235-6426
- (MASSPORT) 617- 561-1800
- Worcester Airport Limousine 800- 660-0992/508- 756-4834
- T.F. Green Airport (Providence, RI) 401- 737-4000
- Bradley International (Hartford, CT) 860- 292-2000
- Amtrak 800-872-7245