MD/MPH Program
Curriculum Orientation
Class of 2023

Richard L. Riley, Ph.D.
Director for Curriculum, MD/MPH Program
Associate Dean for Preclinical Curriculum
Welcome MD/MPH Class of 2023!

We are so very pleased that you have chosen the University of Miami Miller School of Medicine and look forward to working with you to achieve your goals.

In this handout, we will provide a brief summary of the “high points” of the curriculum for the MS-1 year as well as an overall view of the medical curriculum for the MD/MPH program.
We call our MD/MPH program a...

Continuity Medical Curriculum

The goals are to...

- Promote students as active and responsible learners.
- Focus on faculty and student-led small group experiences. These introduce the basic science concepts in a context of common diseases and clinical relevancy, supported by lectures.
The First and Second Years: The MD curriculum begins with Introduction to the Medical Profession (IMP). IMP focuses on orientation to medical school, communication skills, introduction to study skills for medical school, and professional attributes and clinical skills required of each physician. All medical students (both MD and MD/MPH) will take the IMP course together.

The foundational basic sciences pertinent to medicine are taught to MD and MD/MPH students together in the Fundamentals of Biomedical Science core. This encompasses the courses: Fundamentals of Biomedical Science: Molecular Basis of Life; Fundamentals of Biomedical Science: Host Defense, Pathogens, and Pathology; and Fundamentals of Biomedical Science: Cellular Function and Regulation. In addition, the Human Structure course, which includes anatomy, histology, and embryology, is co-taught to all entering medical students in parallel with the Fundamentals courses. These provide the foundations of basic science principles needed to understand both normal and pathologic organ system functions and disease. MD/MPH students will also participate in the Population Health & Health Systems Science course, extending your knowledge in public health areas.

The foundational courses are followed by organ system specific courses; this occurs in the second semester of the MS-1 year and comprise the medical courses in the MS-2 year. In parallel with courses in the MS-1 and MS-2 years is instruction in clinical skills and participation in clinical experiences, all with a focus on the interrelationships between medicine and public health. These aims are met via the Doctoring & Physicianship Skills and Integration of Public Health and Medicine courses.

The Third and Fourth Years: The clerkship years of the MD/MPH curriculum focus on core, required, and elective experiences in the clinical disciplines.

Several “maps” of the medical curriculum follow, with emphasis on the MS-1 and MS-2 courses. Also, opportunities for assessment of competencies and preparation for USMLE Step 1 are highlighted. Note that medical case-based/problem based learning forms an important feature of the MD/MPH program in all courses. More detailed information about mandatory sessions, exam dates, and other activities during the courses will be communicated to you nearer the actual course start dates.
UMMSM CURRICULUM (MD/MPH)

**Year 1**
- **Orientation**
- MPH Courses
- Intro to the Medical Profession
- Fundamentals of Biomedical Science: Molecular Basis of Life
- Fundamentals of Biomedical Science: Host Defense, Pathogens, Pathology
- Fundamentals of Biomedical Science: Cellular Function & Regulation
- Integration of Public Health & Medicine (IPHM) & Doctoring/Physicianship Skills (PS)
- *Required Clerkships-done at the RMC. Electives may be done on either campus*
- Winter Break

**Year 2**
- **Orientation**
- Derm/Ophthal
- Respiratory System
- Endocrine & Reproductive Medicine
- Renal System
- Heme/Onc
- Inflammation & ID
- GI & Nutrition
- Competency Assessment Week
- Winter Break

**Year 3**
- **Orientation**
- Core Clerkships (12 or 6 weeks)
- Winter Break
- Core Clerkships (12 or 6 weeks)
- OSCEs

**Year 4**
- **Orientation**
- Required Clerkship/Electives
- Required Clerkship/Electives
- Winter Break
- MPH Courses

**Core Clerkships (done at the RMC)**
- Integrated IM 12 weeks
- Integrated Surgery 12 weeks
- OB/GYN 6 weeks
- Psychiatry 6 weeks
- Pediatrics 6 weeks
- Family Med 6 weeks

**Required Clerkships/Electives**
- Community & Public Health Practicum 2 weeks
- Public Health Clerkship 4 weeks
- Geriatrics 2 2 weeks
- Emed 4 weeks
- Neurology 4 weeks
- Subinternship 4 weeks
- Electives 14 weeks

*Required Clerkships-done at the RMC. Electives may be done on either campus*

Course Block are NOT drawn to scale
MS1 Curriculum MD/MPH

- Intro Medical Profession 2 wks
  - Intro Clinical Skills, Professionalism, Communication Skills
  - Biochemistry; Medical genetics

- Fundamentals Biomedical Sci: Molecular Basis Life 5 wks
  - Clinical Skills; Professionalism; Ethics; Communication Skills

- Fundamentals Biomedical Sci: Host Defense, Pathogens, Pathology 6 wks
  - Immunobiology; Medical Microbiology; Principles of Pathology

- Fundamentals Biomedical Sci: Cellular Function & Regulation 4 wks
  - Clinical Skills; Professionalism; Ethics; Communication Skills
  - Physiology; Pharmacology

  Winter Break

- Neuroscience & Behavioral Science 8 wks
  - Clinical Skills; Professionalism; Ethics; Communication Skills
  - Physiology and Pathophysiology of the Brain and Nervous System; Intro to Psychiatric Diseases and Conditions

- Population Health & Health Systems Sci: 2 wks
  - Public Health; Health Disparities; Health Systems

  Spring Break

- Cardiovascular System 8 wks
  - Clinical Skills; Professionalism; Ethics; Communication Skills
  - Physiology and Pathophysiology of the Heart/Circulatory System

Clinical Competency
MS2 Curriculum MD/MPH

Doctoring & Physicianship Skills

- Dermatology & Ophthalmology 2 wks
- Respiratory System 5 wks
- Renal System 5 wks
- Endocrine & Reproductive Systems 5 wks
- Hematology & Oncology 5 wks
- Pathophysiology of Skin and Eye
- Pathophysiology of Lungs & Respiratory System
- Pathophysiology of the Kidney and Urinary System
- Pathophysiology of the Endocrine & Reproductive Organs
- Diseases and Disorders of the Blood and Hematopoietic System & Principles of Cancer
- Winter Break

Clinical Skills

- Inflammation 2 wks
- Infectious Disease 2 wks
- Gastrointestinal System & Nutrition 5 wks
- Introduction to Musculoskeletal Diseases and Conditions
- Infections, Inflammation, Common Pathogens
- Pathophysiology of Digestive System and Nutrition
- Clinical Competency
Teaching in the MD/MPH Curriculum

- Lectures
- Small Group
  - Problem-based learning
  - Physicianship
  - Learning Community
- Clinical Experiences and Public Health
- Independent Study
Comprehensive Competency Assessment

- Week long assessment at end of years 1 & 2
  - Structured evaluations
  - Reflection and review
  - Learning/Professional Development Plans
  - Meet with faculty mentor
- Objective Structured Clinical Examinations at end of year 3
NBME-customized course exams in MS-1 and MS-2: Beginning in AY 2019-2020, courses will make customized exams employing questions from the National Board of Medical Examiners (NBME) to assess our learning objectives. Exams may use a mixture of NBME questions and our own questions. All exam questions are carefully aligned with each course’s learning objectives.

NBME Comprehensive Basic Science exam: In the MS-2 year, students sit for the Comprehensive Basic Science exam, a standardized NBME exam that assesses student knowledge in basic science and organ system content. This exam is not for course grades or student progress, but rather provides valuable information to students prior to dedicated USMLE Step 1 exam study.

Exposure to NBME questions and exams beginning early in MS-1 and throughout MS-2 helps prepare our students for the USMLE Step 1 exam.
### FRESHMAN

**Fall Semester 2019-2020**
- Registration & Orientation (MD/MPH Program) .......... Mon, June 24
- MPH Classes End (MD/MPH Program) ............ Mon, June 24
- Registration & Orientation (MD Program) ............. Mon, Aug 12

**Clarkson White Coat/Pinning Ceremony** .............. Fri, Aug TBD (Mandatory Attendance)

**Spring Semester 2019-2020**
- Classes Begin (both programs) ...................... Mon, Dec 9
- Winter Break ........................................ Sat, Dec 21 – Sun, Jan 5
- Martin Luther King Day ......................... Mon, Jan 20
- Student Council Convention (Mandatory) ....... Mon, Feb 17
- Spring Break ........................................ Sat, March 28 – Sun, April 5
- Last Day of Class ................................... Fri, May 29
- Competency Assessment Week ............... Mon, June 1 – Fri, June 5
- Remediation Weeks .......................... Mon, June 8 – Fri, June 14
- MPH Classes End (MD/MPH Program) ............ Fri, June 5

### SOPHOMORE

**Fall Semester 2019-2020**
- Registration and Orientation (online) ................. Mon, July 22
- Classes Begin (both programs) ............... Mon, July 22
- Labor Day ......................................... Mon, Sept 2
- Thankgiving ....................................... Wed, Nov 27@noon – Sun, Dec 1
- Last Day of Class ................................... Fri, Dec 6

**Spring Semester 2019-2020**
- Classes Begin ..................................... Mon, Dec 9
- Winter Break ........................................ Sat, Dec 21 – Sun, Jan 5
- Martin Luther King Day ......................... Mon, Jan 20
- Last Day of Class ................................... Fri, March 6
- Competency Assessment Week (MD/MPH) ....... Mon, March 9 – Fri, March 13
- Step 1 Study Break (MD/MPH Program) ............ Sat, March 14 – Sun, April 5
- Remediation Weeks (MD/MPH Program) ........... Mon, March 16 – Fri, March 27
- MPH Classes Begin (MD/MPH Program) .......... Mon, April 27
- MPH Classes End (MD/MPH Program) ............ Fri, June 5
- Spring Break ........................................ Sat, March 28 – Sun, April 5
- Competency Assessment Week (MD) .......... Mon, April 27 – Fri, May 1
- Step 1 Study Break (MD Program) ............... Sat, May 2 – Sun, June 14
- Remediation Weeks (MD Program) ............... Mon, May 4 – Fri, May 15

### JUNIOR

**Fall Semester 2019-2020**
- Patient Safety Week (MD Program) ............... Mon, June 24 – Fri, June 21
- Registration and Orientation (MD Program) .......... Mon, June 24
- Clinical Rotations Begin (MD Program) .......... Mon, June 24
- Registration, Orientation, Transitions (MD/MPH) .......... Mon, June 17 – Fri, June 21
- Clinical Rotations Begin (MD/MPH Program) .......... Mon, June 24
- Clinical Rotations Begin (MD Program) .......... Mon, June 24
- Thanksgiving ..................................... Wed, Nov 27@noon – Sun, Dec 1
- Last Day of Class ................................... Fri, June 5

**Spring Semester 2019-2020**
- Clinical Rotations Begin ................................ Mon, Dec 9
- Winter Break ........................................ Sat, Dec 21 – Sun, Jan 5
- Clinical Rotations Resume .......................... Mon, Jan 6
- Last Day of Class ................................... Fri, June 5
- OSCE (Mandatory Attendance) .................... Sat, June 6 – Sun, June 7

### SENIOR

**Fall Semester 2019-2020**
- Registration and Orientation (online) ................. Mon, June
- Classes Begin (both programs) ............... Mon, June 10
- Labor Day ......................................... Mon, Sept 2
- Thanksgiving ....................................... Wed, Nov 27@noon – Sun, Dec 1
- Last Day of Class ................................... Fri, June 5

**Spring Semester 2019-2020**
- Clinical Rotations Begin ................................ Mon, Dec 9
- Winter Break ........................................ Sat, Dec 21 – Sun, Jan 5
- 5 Rank Order List Input Deadline ...................... TBD
- Match Day ........................................... Friday, March 20 (unconfirmed)
- Last Day of Class ................................... Fri, May 8
- Medical School Commencement .................... Sat, May 09 (unconfirmed)

### Important Dates:

- Clarkson White Coat/Pinning Ceremony ............ Fri, TBD (mandatory attendance for MS1 students)
- Fall Ball .................................................. Saturday, TBD
- Little Haiti Health Fair ............................... Saturday, TBD
- Liberty City Health Fair .............................. Saturday, TBD
- MS 1 Student Council Convention ................. Monday, Feb 17 (mandatory attendance for MS1 students)

### 2019-2020 Important Dates:

- Jack and Jill Health Fair ............................... Saturday, TBD
- Florida Keys Health Fair .............................. Saturday, TBD
- Little Haiti Health Fair ............................... Saturday, TBD
- Liberty City Health Fair .............................. Saturday, TBD
- Eastern-Atlantic Student Research Forum ......... TBD

**UNIVERSITY OF MIAMI MILLER SCHOOL OF MEDICINE ACADEMIC CALENDAR 2019-2020**

rev Jan. 22, 2019