Phase 3 Course Catalog & General Requirements

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Overview

General Information

The University of Miami Miller School of Medicine is committed to creating physicians who are empowered to transform lives and inspired to serve our global community. Our program is thoughtfully crafted to provide students with the comprehensive knowledge, skills, and experiences needed to succeed and become transformational leaders in the vibrant and constantly advancing field of health care. Please refer to this link for more information: https://med.miami.edu/medical-education/medical-programs

Accreditation

The Liaison Committee on Medical Education (LCME) is the official accrediting body for medical education programs leading to the MD degree in the United States and Canada. It is recognized by the U.S. Department of Education and the World Federation for Medical Education (WFME). The Miller School of Medicine is fully accredited by the LCME.

Mission and Goal

The NextGenMD curriculum strives to empower learners to transform lives and inspire learners to serve the global community. The curriculum will produce transformational leaders who will shape the future of medicine, direct health systems, and champion discovery and its translation into clinical interventions.

Student Learning Outcomes

Patient Care

Graduates will apply established and evolving information and technology to provide patient-centered care that is safe, compassionate, appropriate, and effective for the treatment of health problems and for the promotion of health.

Graduates are expected to:

1. Gather relevant and accurate patient information by performing a history and physical exam and obtaining relevant clinical data.
2. Develop and prioritize differential diagnoses using history, physical exams, and the interpretation of common diagnostic and screening tests.
3. Create and execute integrated diagnostic and therapeutic plans for the acute and longitudinal management of health problems.
4. Integrate principles of disease prevention, health promotion, shared decision-making, and education into the health care of individuals, families, communities, and populations.
5. Perform the diagnostic and therapeutic procedures necessary for patient care.

Knowledge For Practice

Graduates will demonstrate knowledge of established and evolving biomedical, clinical, epidemiological, and social-behavioral sciences and their applications to patient care.

Graduates are expected to:

6. Explain the physiologic basis of human homeostasis and the diagnosis and management of human diseases.
7. Apply the principles of epidemiology and social sciences to the collection of public health data, and the analysis, treatment, and prevention of health problems and disparities in communities and populations.

Practice-Based Learning And Improvement

Graduates will evaluate their own patient care practices and appraise and assimilate new technology and scientific evidence to improve patient care throughout their medical careers.

Graduates are expected to:

8. Recognize personal strengths and limitations, identify academic and career goals, seek and assimilate feedback in daily practice, and execute a personal action plan.
9. Critically appraise and incorporate new scientific developments into patient care.

10. Identify and investigate problems in the natural, social, and health system sciences that influence patients, populations, and communities to improve health and well-being.

Interpersonal and Communication Skills
Graduates will demonstrate interpersonal and communication skills that result in effective information exchange and teamwork with patients, patients' families, and professional associates.

Graduates are expected to:

11. Demonstrate written and verbal communication that is effective, empathetic, and respectful in a manner that reflects the audience and clinical context.

Professionalism
Graduates will demonstrate a commitment to carrying out professional responsibilities, adherence to ethical principles, and sensitivity to diverse patient populations and their families.

Graduates are expected to:

12. Exhibit and role model professionalism by demonstrating integrity, agency, humility, and responsibility.
13. Act ethically in the best interests of patients and society.
14. Demonstrate awareness of implicit and explicit bias, cultural humility, sensitivity, and responsiveness to diverse patient characteristics.

Systems-Based Practice
Graduates will demonstrate an awareness of the larger context and system of health care. They will effectively utilize system resources to provide optimal care as collaborative members of interprofessional teams.

Graduates are expected to:

15. Practice high-value care for the benefit of patients and health care systems.
16. Advocate for patients and address systems-level changes necessary to improve health outcomes and patient safety.

Interprofessional Collaboration
Graduates will demonstrate the ability to engage in an interprofessional team to optimize safe and effective patient- and population-centered socially accountable care.

Graduates are expected to:

17. Respect and utilize the expertise of colleagues and allied health professionals with complementary skills sets to enhance the care of patients.
18. Demonstrate the teamwork, leadership, and situational awareness necessary to support patient care across the spectrum of changing healthcare contexts.

Personal and Professional Development
Graduates will demonstrate the qualities required to sustain lifelong personal and professional growth and identity.

Graduates are expected to:

19. Demonstrate the teamwork, leadership, and situational awareness necessary to support patient care across the spectrum of changing healthcare contexts.
20. Maintain, monitor, and nurture mental, emotional, and physical health and take measures to promote personal wellbeing.

Phase 3 Information

Requirements for Graduation

Degree Type
Doctor of Medicine

Curriculum Requirements

The NextGenMD curriculum is divided into 3 phases. Phase 1 is the pre-clerkship curriculum, Phase 2 is the clerkship curriculum, and Phase 3 is the advanced post-clerkship curriculum. This catalog focuses specifically on Phase 3.

Phase 3 occurs over 17 months and is dedicated to career exploration, integrated science selectives, advanced clinical experiences, electives, a critical care experience, a sub-internship, and preparation for internship. Phase 3 also allows all students to work on their scholarly concentration. All students must select a **Pathway of Emphasis** for their scholarly work or obtain a **dual degree** from existing 4-8-year dual degrees program options. A select group of students who meet defined competencies can enter residency early after 3 years. Students have opportunities to explore their interests through a variety of elective experiences both at the University of Miami and other accredited medical schools. Below are the required courses in Phase 3.

1. **Sub-Internship:** The sub-internship (sub-I) experience offered during Phase 3 is intended to provide a learning experience for the students that prepares them to serve as competent interns and effective members of an interdisciplinary team. The sub-internship is a 4-week inpatient experience.
2. **Advanced Integrated Science Selective:** Phase 3 students are required to choose one selective (4 weeks duration) from a variety of integrated science options that explicitly translate foundational science to clinical practice and allow students to reinforce important foundational science concepts taught in Phase 1 and 2. These selectives emphasize interactive teaching methods and explore basic science topics that are related to students' career choices or academic interests. This is a 4-week experience.
3. **Advanced Clinical Experience (ACE):** The student will be given the opportunity to exercise critical clinical thinking and patient care skills (e.g., diagnosis, prognosis, and management) while under the direct supervision of attending physicians and residents/fellows. Students follow the care of assigned patients with the attending physician. The students must be able to work up and manage the medical or surgical care of selected patients under the supervision of residents and attending physicians. This may include both outpatient and inpatient experiences and is 4 weeks in duration.
4. **Elective:** These courses are similar to ACE courses but are 2 weeks in length and more formative and experiential in nature. Students must complete 18 weeks (about 4 months) of ACE or elective courses.
5. **Critical Care Selective:** All students are required to complete a 2-week rotation in a critical care setting of their choice to become comfortable with the basic tenets of the care of acutely ill patients.
6. **Transition to Residency:** In the final semester of Phase 3, all students take a longitudinal didactic and experiential course to review content necessary for becoming an effective intern, with generic content for all senior medical students as well as specialty-specific course content. The course culminates in a 4-week in person experience at the end of the final semester of Phase 3.
7. **Medicine as a Profession (301 and 302):** In Phase 3, the MAP courses provide content specific to preparation for residency application and one-to-one meetings with longitudinal clinical educators to receive individualized guidance on the application process.

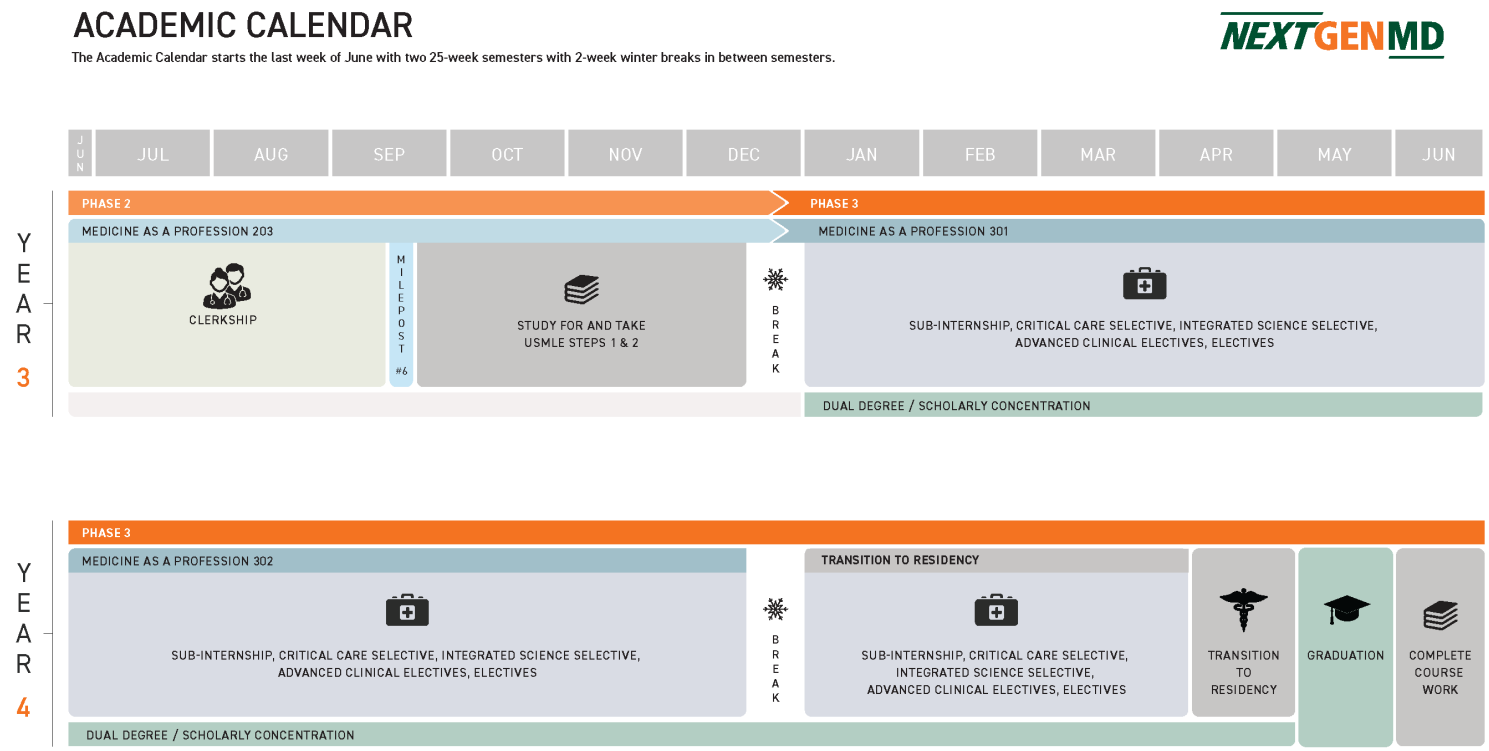
The **Scholarly Concentration** houses formalized research pathways and the Dual and Joint degree programs. Each student is required to either complete a second degree or participate in a pathway program, culminating in a capstone research project. The goal is to create well-rounded, transformational leaders in academic medicine through a formalized program of topical study paralleling every medical student's clinical training. Every student will learn the basics in practical applications of population health and gain a fundamental understanding of research methodology. There are several pathways and dual degree programs available to student. The Scholarly Concentrations research project culminates in the generation of a scholarly concentration portfolio comprising a written report and a public poster presentation in the final Spring semester.

Students enrolled in a dual or joint degree program must complete the MD curriculum and that of their second degree for graduation and therefore are not required to participate in a Pathway. These degree programs generally require at least 30 credits, including 3-6 credits for

research; such activities thus fulfill the requirements for scholarly concentration work required of students enrolled in Pathways of Emphasis. Research training and mentorship in NextGenMD are part of the formalized curriculum to both alleviate pressure on students as well as improving the quality of their research education.

Students in the three-year **Accelerated Pathway to Residency** (described below) participate in the same courses and have the same core credit requirements in Phases 1 and 2, but their schedule and credit requirements differ in Phase 3 of the curriculum as they have five months to complete their curriculum rather than 17 months. The table below shows the courses and credit hours for the 4-year MD course and the 3-year accelerated pathway.

Plan of Study for Years 3 and 4



General Requirements

Clinical Coursework Requirements (MD and includes all Dual Degrees): Class of 2026

Clerkships (Phase 2)	Required in Phase 3
Transition to Clerkships	Sub-Internship (4 weeks)
Practice of Medicine	Advanced integrated Science Selective (AISS, 4 weeks)
ER to OR	Electives and/or Advanced Clinical Electives (ACE) (18 weeks)
Women and Children's Health	Critical Care Selective (2 weeks)
Mind, Matter, and Medicine	Transition to Residency (4 weeks)

Clinical Coursework Requirements (MD and includes Accelerated Pathway): Class of 2026

Clerkships (Phase 2)	Required in Phase 3
Transition to Clerkships	Sub-Internship (4 weeks)
Practice of Medicine	Transition to Residency (4 weeks)

Clerkships (Phase 2)	Required in Phase 3
ER to OR	Electives (10 weeks-may include optional selectives below)
Women and Children's Health	Critical Care Selective (2 weeks) *optional*
Mind, Matter, and Medicine	Advanced Integrated Science Selective (4 weeks) *optional*

Each Phase 2 clerkship and Phase 3 required courses must be taken at a University of Miami Miller School of Medicine (UMMSM) teaching facility.

Phase 3: MD Curriculum

Course Code	Title	Credits
	Advanced Clinical Experience (ACE) or Electives	18
	Sub-Internship (Sub-I)	4
	Advanced Integrated Science Selective	4
	Critical Care Selective	2
MDR 1019	Senior Boot Camp: Transition to Residency	4
MDR 1036	Medicine as a Profession 301	1
MDR 1037	Medicine as a Profession 302	1
MDR 1038	Scholarly Concentration II	3

Phase 3: Accelerated Pathway

Course Code	Title	Credits
	Advanced Clinical Experience (ACE), Electives, Advanced Integrated Science Selective, Critical Care Selective	10
	Sub-Internship (Sub-I)	4
MDR 1019	Senior Boot Camp: Transition to Residency	4
MDR 1036	Medicine as a Profession 301	1
MDR 1038	Scholarly Concentration II	3

Course Recommendations by Discipline

This list is a non-mandatory collection of courses suggested by our Phase 3 Specialty Leads to help guide students choose which courses to enroll in Phase 3. While this list provides a focused path of study, students are encouraged to enrich their Phase 3 experience with varied rotations of their choosing across multiple specialties.

Anesthesiology

Sub-I

- MDR 875 – Otolaryngology Sub-I
- MDR 962 – Internal Medicine SUB-I

CCS

- MDR 839 – Medical Intensive Care Unit
- MDR 929 – Surgical Intensive Care Unit
- MDR 932 – Trauma Intensive Care Unit
- MDR 985 – JMH Neuroscience Intensive Care Unit

AISS

- MDR 884 – AISS: Pharmacology and Pharmacy
- MDR 974 – AISS: Cardiac Physiology and Advanced Heart Disease
- MDR 979 – AISS: Pulmonary and Pulmonary Physiology

ACE

- MDR 809 – ACE: Advanced Anesthesiology
- MDR 818 – ACE: Maternal Fetal Medicine
- MDR 830 – ACE: Gastroenterology
- MDR 836 – ACE: Infectious Diseases
- MDR 842 – ACE: Nephrology
- MDR 953 – ACE: Cardiac Anesthesiology
- MDR 963 – ACE: Obstetric Anesthesiology
- MDR 989 – ACE: Emergency Medicine

Electives

- MDR 1032 – Pediatric Palliative Care
- MDR 819 – Obstetric Anesthesiology Night Rotation
- MDR 822 – UMH Cardiovascular Intensive Care Unit
- MDR 824 – JMH Cardiology Consult
- MDR 829 – JMH Coronary Care Unit
- MDR 833 – Hematology
- MDR 834 – Hepatology
- MDR 844 – Physical Medicine and Rehabilitation
- MDR 853 – UMH Cardiac Catheterization
- MDR 873 – Otolaryngology Elective
- MDR 885 – Pediatric Cardiology
- MDR 896 – Poison Center Toxicology
- MDR 926 – Oral and Maxillofacial Surgery
- MDR 928 – Plastic Surgery
- MDR 938 – Urology Elective

Dermatology

Sub-I

- MDR 897 – Pediatrics Sub-I
- MDR 917 – Burn Unit Sub-I
- MDR 976 – Acute Care Surgery Sub-I

CCS

- MDR 839 – Medical Intensive Care Unit
- MDR 841 – Pediatric Intensive Care Unit
- MDR 929 – Surgical Intensive Care Unit
- MDR 932 – Trauma Intensive Care Unit

AISS

- MDR 813 – AISS Dermatology and Skin Pathobiology
- MDR 877 – AISS: Immunology, Allergy, Microbiology, and Transplant
- MDR 884 – AISS: Pharmacology and Pharmacy
- MDR 964 – AISS: Oncology and Cancer Biology

ACE

- MDR 825 – ACE: Integrative Medicine

- MDR 836 – ACE: Infectious Diseases
- MDR 840 – ACE: Dade County Street Response- Street Classroom
- MDR 879 – ACE: Pathology
- MDR 883 – ACE: Neonatology
- MDR 893 – ACE Pediatric Surgery
- MDR 946 – ACE: Plastic Surgery
- MDR 983 – ACE: General Surgery EIII
- MDR 989 – ACE: Emergency Medicine

Electives

- MDR 1003 – Public Health Clerkship
- MDR 1009 – Medical Education Elective
- MDR 1013 – Med-Peds
- MDR 1018 – Pediatric Mobile Clinic
- MDR 806 – Wound Healing
- MDR 807 – Advanced Gross Anatomy
- MDR 811 – Dermatology
- MDR 816 – Family Medicine in the Florida Keys
- MDR 817 – Family Medicine Preceptorship
- MDR 821 – Arthritis (VA)
- MDR 880 – Adolescent Medicine
- MDR 886 – Pediatric Dermatology
- MDR 887 – Pediatric Emergency Medicine
- MDR 890 – Genetics and Metabolic Diseases
- MDR 891 – Pediatric Infectious Diseases and Immunology
- MDR 926 – Oral and Maxillofacial Surgery
- MDR 928 – Plastic Surgery
- MDR 930 – Transplant Surgery
- MDR 940 – Public Health Elective
- MDR 960 – Vascular Surgery (VA)
- MDR 973 – Pediatric Allergy and Immunology
- MDR 981 – General Surgery EI
- MDR 983 – General Surgery EII
- MDR 984 – General Surgery EIV

Emergency Medicine

Sub-I

- MDR 962 – Internal Medicine Sub-I

CCS

- MDR 839 – MICU

AISS

- MDR 964 – AISS: Oncology and Cancer Biology
- MDR 974 – AISS: Cardiac Physiology and Advanced Heart Disease
- MDR 979 – AISS: Pulmonary and Pulmonary Physiology (VA)

ACE

- MDR 820 – ACE: Ambulatory Internal Medicine
- MDR 826 – ACE: Endocrinology, Diabetes and Metabolism
- MDR 830 – ACE: Gastroenterology
- MDR 836 – ACE: Infectious Diseases

- MDR 840 – ACE: Dade County Street Response- Street Classroom
- MDR 842 – ACE: Nephrology
- MDR 989 – Emergency Medicine

Electives

- MDR 824 – JMH Cardiology Consult
- MDR 827 – Advanced Geriatrics (VA) MDR 833 - Hematology
- MDR 834 – Hepatology
- MDR 887 – Pediatric EM Elective
- MDR 918 – Diagnostic Radiology Elective

Family Medicine

Sub-I

- MDR 892 – Family Medicine Sub-I
- MDR 897 – Pediatrics Sub-I
- MDR 962 – Internal Medicine SUB-I
- MDR 900 – Physical Medicine and Rehabilitation Sub-I

CCS

- MDR 839 – Medical Intensive Care Unit
- MDR 841 – Pediatric Intensive Care Unit

ACE

- MDR 1035 – ACE: Maternal/Child Health: Research, Advocacy, and Leadership
- MDR 825 – ACE: Integrative Medicine

Electives

- MDR 801 – Pediatric Adolescent Gynecology
- MDR 811 – Dermatology
- MDR 806 – Wound Healing
- MDR 817 – Family Medicine Preceptorship
- MDR 887 – Pediatric Emergency Medicine
- MDR 880 – Adolescent Medicine
- MDR 844 – Physical Medicine and Rehabilitation
- MDR 949 – Caring for the Community: Free Clinics Elective
- MDR 1009 – Medical Education Elective
- MDR 1013 – Med-Peds

Internal Medicine

Sub-I

- MDR 962 – Internal Medicine SUB-I

CCS

- MDR 839 – Medical Intensive Care Unit

AISS

- MDR 979 – AISS: Pulmonary and Pulmonary Physiology (VA)
- MDR 974 – AISS: Cardiac Physiology and Advanced Heart Disease
- MDR 964 – AISS: Oncology and Cancer Biology
- MDR 877 – AISS: Immunology, Allergy, Microbiology, and Transplant

ACE

- MDR 826 – ACE: Endocrinology, Diabetes and Metabolism
- MDR 842 – ACE: Nephrology
- MDR 830 – ACE: Gastroenterology
- MDR 836 – ACE: Infectious Diseases
- MDR 840 – ACE: Dade County Street Response- Street Classroom
- MDR 915 – ACE: Radiation Oncology
- MDR 989 – ACE: Emergency Medicine

Electives

- MDR 1009 – Medical Education Elective
- MDR 951 – Cardiology Teaching Lab: Harvey 2-week Program
- MDR 822 – UMH Cardiovascular Intensive Care Unit
- MDR 824 – JMH Cardiology Consult
- MDR 833 – Hematology
- MDR 834 – Hepatology
- MDR 837 – Hospital, Health Care Services, and Access: An Interdisciplinary Inquiry
- MDR 853 – UMH Cardiac Catheterization

Interventional Radiology

Sub-I

- MDR 931 – Trauma Surgery Sub-I
- MDR 976 – Acute Care Surgery Sub-I

CCS

- MDR 929 – Surgical Intensive Care Unit
- MDR 932 – Trauma Intensive Care Unit

AISS

- MDR 936 – AISS: Clinical Anatomy and Surgery - Abdomen
- MDR 964 – AISS: Oncology and Cancer Biology

ACE

- MDR 830 – ACE: Gastroenterology
  MDR 889 – ACE: Pediatric Gastroenterology, Hepatology, and Nutrition
- MDR 910 – ACE Advanced Radiology
- MDR 942 – ACE: Interventional Radiology at VA
- MDR 969 – ACE: Interventional Radiology

Electives

- MDR 807 – Advanced Gross Anatomy
- MDR 834 – Hepatology
- MDR 930 – Transplant Surgery
- MDR 938 – Urology Elective
- MDR 960 – Vascular Surgery (VA)
- MDR 982 – General Surgery EII

Neurology

Sub-I

- MDR 851 – Neurology Sub-Internship: Jackson Stroke Service
- MDR 875 – Otolaryngology Sub-I
- MDR 900 – Physical Medicine and Rehabilitation Sub-I

CCS

- MDR 985 – JMH Neuroscience Intensive Care Unit

AISS

- MDR 882 – AISS: Neuroscience and Neurology
- MDR 884 – AISS: Pharmacology and Pharmacy
- MDR 934 – AISS: Clinical Anatomy and Surgery - Head and Neck, Brain and Spinal Cord
- MDR 935 – AISS: Clinical Anatomy and Surgery - Brain and Spinal Cord

ACE

- MDR 808 – ACE: Neurosurgery
- MDR 849 – ACE: Neurology Consultation
- MDR 850 – ACE: Advanced Neurology
- MDR 860 – ACE Ophthalmology
- MDR 871 – ACE: Otology
- MDR 904 – ACE: Addiction and Inpatient Psychiatry
- MDR 969 – ACE: Interventional Radiology

Electives

- MDR 820 – Ambulatory Internal Medicine
- MDR 827 – Advanced Geriatrics (VA)
- MDR 828 – Neurology Subspecialties Elective
- MDR 844 – Physical Medicine and Rehabilitation
- MDR 848 – Brain Injury Neurorehab
- MDR 870 – Orthopedic Spine
- MDR 873 – Otolaryngology Elective
- MDR 890 – Genetics and Metabolic Diseases
- MDR 898 – Ophthalmology @ Palm Beach Gardens
- MDR 906 – Ambulatory Psychiatry
- MDR 924 – Introduction to Neurosurgery

Neurosurgery

Sub-I

- MDR 851 – Neurology Sub-Internship: Jackson Stroke Service
- MDR 875 – Otolaryngology Sub-I
- MDR 931 – Trauma Surgery Sub-I

CCS

- MDR 985 – JMH Neuroscience Intensive Care Unit

AISS

- MDR 882 – AISS: Neuroscience and Neurology
- MDR 934 – AISS: Clinical Anatomy and Surgery - Head and Neck, Brain and Spinal Cord
- MDR 935 – AISS: Clinical Anatomy and Surgery - Brain and Spinal Cord

ACE

- MDR 808 – ACE: Neurosurgery
- MDR 849 – ACE: Neurology Consultation
- MDR 850 – ACE: Advanced Neurology
- MDR 871 – ACE: Otology
- MDR 910 – ACE Advanced Radiology
- MDR 915 – ACE: Radiation Oncology

Electives

- MDR 828 – Neurology Subspecialties Elective
- MDR 848 – Brain Injury Neurorehab
- MDR 873 – Otolaryngology Elective
- MDR 924 – Introduction to Neurosurgery
- MDR 970 – Ophthalmology for the Non-Ophthalmologist

OB-GYN

Sub-I

- MDR 831 – Obstetrics and Gynecology Sub-I

CCS

- MDR 929 – Surgical Intensive Care Unit

ACE

- MDR 810 – ACE: Gynecologic Oncology
- MDR 818 – ACE: Maternal Fetal Medicine
- MDR 963 – ACE: Obstetric Anesthesiology

Electives

- MDR 1003 – Public Health Clerkship
- MDR 1031 – Minimally Invasive Gynecologic Surgery
- MDR 800 – Ultrasound in Gynecology and Obstetrics
- MDR 801 – Pediatric Adolescent Gynecology
- MDR 807 – Advanced Gross Anatomy
- MDR 819 – Obstetric Anesthesiology Night Rotation
- MDR 837 – Hospital, Health Care Services, and Access: An Interdisciplinary Inquiry
- MDR 858 – Complex Family Planning and Preventive Health
- MDR 890 – Genetics and Metabolic Diseases
- MDR 905 – Surgical Skills Elective
- MDR 945 – Taylor Breast Health Center
- MDR 949 – Caring for the Community: Free Clinics Elective
- MDR 952 – Reproductive Endocrinology and Infertility
- MDR 975 – Labor and Delivery Night Rotation

Ophthalmology

Sub-I

- MDR 962 – Internal Medicine Sub-I
- MDR 851 – Neurology Sub-I
- MDR 917 – Burn Unit Sub-I

CCS

- MDR 839 – CCS Medical ICU
- MDR 929 – CCS Surgical ICU
- MDR 985 – CCS Neuro ICU

AISS

- MDR 813 – Dermatology & Skin Pathobiology
- MDR 934 – ISS Clinical Anatomy & Surgery A
- MDR 882 – Neuroscience & Neurology
- MDR 877 – Immunology, Allergy, Microbiology, and Transplant

ACE

- MDR 989 – Emergency Medicine ACE
- MDR 826 – Endocrinology, Diabetes & Metabolism ACE
- MDR 808 – Neurosurgery ACE
- MDR 849 – Neurology Consultation ACE

Electives

- MDR 860 – Ophthalmology ACE
- MDR 861 – Ophthalmology at the MIA VAMC
- MDR 971 – Ophthalmic Pathology

Orthopedics

Sub-I

- MDR 900 – Physical Medicine and Rehabilitation Sub-I
- MDR 931 – Trauma Surgery Sub-I
- MDR 944 – MIA VAMC General Surgery Sub-I
- MDR 976 – Acute Care Surgery Sub-I
- MDR 929 – Surgical Intensive Care Unit
- MDR 932 – Trauma Intensive Care Unit

AISS

- MDR 914 – AISS: Clinical Anatomy and Surgery - Extremities

ACE

- MDR 808 – ACE: Neurosurgery
- MDR 826 – ACE: Endocrinology, Diabetes and Metabolism
- MDR 836 – ACE: Infectious Diseases
- MDR 879 – ACE: Pathology
- MDR 893 – ACE Pediatric Surgery
- MDR 910 – ACE Advanced Radiology
- MDR 946 – ACE: Plastic Surgery
- MDR 983 – ACE: General Surgery EIII
- MDR 989 – ACE: Emergency Medicine
- MDR 999 – ACE Orthopedic Trauma

Electives

- MDR 806 – Wound Healing
- MDR 821 – Arthritis (VA)
- MDR 828 – Neurology Subspecialties Elective
- MDR 844 – Physical Medicine and Rehabilitation
- MDR 862 – Orthopedic Trauma Elective
- MDR 865 – Adult Reconstruction & Joint Replacement
- MDR 866 – Hand Surgery
- MDR 867 – Musculoskeletal Oncology
- MDR 870 – Orthopedic Spine
- MDR 890 – Genetics and Metabolic Diseases
- MDR 918 – Diagnostic Radiology Elective
- MDR 924 – Introduction to Neurosurgery
- MDR 928 – Plastic Surgery
- MDR 960 – Vascular Surgery (VA)
- MDR 981 – General Surgery EI
- MDR 982 – General Surgery EII

- MDR 984 – General Surgery EIV

Otolaryngology

Sub-I

- MDR 875 – Otolaryngology Sub-I

CCS

- MDR 929 – CCS: Surgical ICU

AISS

- MDR 934 – AISS: Clinical Anatomy and Surgery: Head and Neck

ACE

- MDR 871 – ACE Otology

Electives

- MDR 873 – Otolaryngology elective
- MDR 807 – Advanced gross anatomy

Pathology

Sub-I

- MDR 831 – Obstetrics and Gynecology Sub-I
- MDR 875 – Otolaryngology Sub-I
- MDR 897 – Pediatrics Sub-I
- MDR 931 – Trauma Surgery Sub-I
- MDR 944 – MIA VAMC General Surgery Sub-I
- MDR 976 – Acute Care Surgery Sub-I

AISS

- MDR 912 – AISS: Clinical Anatomy and Surgery - Urogential/Gynecology
- MDR 914 – AISS: Clinical Anatomy and Surgery - Extremities
- MDR 934 – AISS: Clinical Anatomy and Surgery - Head and Neck, Brain and Spinal Cord
- MDR 935 – AISS: Clinical Anatomy and Surgery - Brain and Spinal Cord
- MDR 936 – AISS: Clinical Anatomy and Surgery - Abdomen
- MDR 964 – AISS: Oncology and Cancer Biology

ACE

- MDR 868 – ACE: Thoracic Surgery
- MDR 808 – ACE: Neurosurgery
- MDR 810 – ACE: Gynecologic Oncology
- MDR 830 – ACE: Gastroenterology
- MDR 836 – ACE: Infectious Diseases
- MDR 879 – ACE: Pathology
- MDR 889 – ACE: Pediatric Gastroenterology, Hepatology, and Nutrition
- MDR 893 – ACE Pediatric Surgery
- MDR 910 – ACE Advanced Radiology
- MDR 915 – ACE: Radiation Oncology
- MDR 956 – ACE: Urology
- MDR 969 – ACE: Interventional Radiology
- MDR 983 – ACE: General Surgery EIII

Electives

- MDR 1031 – Minimally Invasive Gynecologic Surgery
- MDR 811 – Dermatology
- MDR 867 – Musculoskeletal Oncology
- MDR 873 – Otolaryngology Elective
- MDR 924 – Introduction to Neurosurgery
- MDR 926 – Oral and Maxillofacial Surgery
- MDR 945 – Taylor Breast Health Center
- MDR 981 – General Surgery EI
- MDR 982 – General Surgery EII
- MDR 984 – General Surgery EIV

Pediatrics

Sub-I

- MDR 897 – Pediatrics Sub-I

CCS

- MDR 841 – CC S: Pediatric Intensive Care Unit

AISS

- MDR 877 – AISS Immunology, Allergy, Microbiology, Transplant

ACE

- MDR 883 – ACE Neonatology
- MDR 1035 – Maternal/Child Health: Research, Advocacy and Leadership ACE
- MDR 893 – ACE Pediatric Surgery

Electives

- MDR 880 – Adolescent Medicine
- MDR 887 – Pediatric Emergency Medicine
- MDR 918 – Diagnostic Radiology Elective (* Request peds)
- MDR 901 – Child and Adolescent Psychiatry

Pharmacology

Sub-I

- MDR 962 – Internal Medicine SUB-I

CCS

- MDR 839 – Medical Intensive Care Unit

AISS

- MDR 877 – AISS: Immunology, Allergy, Microbiology, and Transplant
- MDR 884 – AISS: Pharmacology and Pharmacy
- MDR 964 – AISS: Oncology and Cancer Biology

ACE

- MDR 825 – ACE: Integrative Medicine
- MDR 840 – ACE: Dade County Street Response- Street Classroom

Electives

- MDR 837 – Hospital, Health Care Services, and Access: An Interdisciplinary Inquiry
- MDR 878 – Software as Medicine Elective

- MDR 890 – Genetics and Metabolic Diseases
- MDR 896 – Poison Center Toxicology

Plastic Surgery

Sub-I

- MDR 875 – Otolaryngology Sub-I
- MDR 917 – Burn Unit Sub-I
- MDR 931 – Trauma Surgery Sub-I
- MDR 976 – Acute Care Surgery Sub-I

CCS

- MDR 929 – Surgical Intensive Care Unit
- MDR 932 – Trauma Intensive Care Unit

AISS

- MDR 934 – AISS: Clinical Anatomy and Surgery - Head and Neck, Brain and Spinal Cord
- MDR 935 – AISS: Clinical Anatomy and Surgery - Brain and Spinal Cord

ACE

- MDR 893 – ACE Pediatric Surgery
- MDR 946 – ACE: Plastic Surgery
- MDR 983 – ACE: General Surgery EIII
- MDR 999 – ACE Orthopedic Trauma

Electives

- MDR 806 – Wound Healing
- MDR 807 – Advanced Gross Anatomy
- MDR 862 – Orthopedic Trauma Elective
- MDR 866 – Hand Surgery
- MDR 873 – Otolaryngology Elective
- MDR 926 – Oral and Maxillofacial Surgery
- MDR 928 – Plastic Surgery
- MDR 930 – Transplant Surgery
- MDR 945 – Taylor Breast Health Center
- MDR 960 – Vascular Surgery (VA)
- MDR 981 – General Surgery EI

PM&R

Sub-I

- MDR 851 – Neurology Sub-Internship: Jackson Stroke Service
- MDR 900 – Physical Medicine and Rehabilitation Sub-I

AISS

- MDR 882 – AISS: Neuroscience and Neurology
- MDR 884 – AISS: Pharmacology and Pharmacy

ACE

- MDR 826 – ACE: Endocrinology, Diabetes and Metabolism
- MDR 836 – ACE: Infectious Diseases
- MDR 849 – ACE: Neurology Consultation
- MDR 850 – ACE: Advanced Neurology

CCS

- MDR 839 – Medical Intensive Care Unit
- MDR 985 – JMH Neuroscience Intensive Care Unit

Electives

- MDR 821 – Arthritis (VA)
- MDR 865 – Adult Reconstruction & Joint Replacement
- MDR 870 – Orthopedic Spine
- MDR 848 – Brain Injury Neurorehab
- MDR 911 – Nuclear Medicine
- MDR 904 – ACE Addiction and Inpatient Psychiatry
- MDR 918 – Diagnostic Radiology Elective

Psychiatry

Sub-I

- MDR 962 – Internal Medicine SUB-I
- MDR 897 – Pediatrics Sub-I

ACE

- MDR 904 – ACE Addiction and Inpatient Psychiatry
- MDR 1024 – ACE: Forensic Psychiatry Elective

Electives

- MDR 872 – Introduction to Geriatric Psychiatry
- MDR 874 – Introduction to Inpatient Psychiatry
- MDR 901 – Child and Adolescent Psychiatry
- MDR 902 – Consultation-Liaison Psychiatry
- MDR 906 – Ambulatory Psychiatry

Radiology

Sub-I

- MDR 931 – Trauma Surgery Sub-I
- MDR 976 – Acute Care Surgery Sub-I

AISS

- MDR 855 – AISS: Clinical Anatomy and Surgery - Thorax
- MDR 912 – AISS: Clinical Anatomy and Surgery - Urogential/Gynecology
- MDR 914 – AISS: Clinical Anatomy and Surgery - Extremities
- MDR 934 – AISS: Clinical Anatomy and Surgery - Head and Neck, Brain and Spinal Cord
- MDR 935 – AISS: Clinical Anatomy and Surgery - Brain and Spinal Cord
- MDR 936 – AISS: Clinical Anatomy and Surgery - Abdomen

ACE

- MDR 808 – ACE: Neurosurgery
- MDR 810 – ACE: Gynecologic Oncology
- MDR 850 – ACE: Advanced Neurology
- MDR 879 – ACE: Pathology
- MDR 893 – ACE Pediatric Surgery
- MDR 910 – ACE Advanced Radiology
- MDR 942 – ACE: Interventional Radiology at VA
- MDR 956 – ACE: Urology
- MDR 969 – ACE: Interventional Radiology

- MDR 983 – ACE: General Surgery EIII
- MDR 989 – ACE: Emergency Medicine
- MDR 999 – ACE Orthopedic Trauma

Electives

- MDR 807 – Advanced Gross Anatomy
- MDR 911 – Nuclear Medicine
- MDR 918 – Diagnostic Radiology Elective
- MDR 924 – Introduction to Neurosurgery
- MDR 945 – Taylor Breast Health Center
- MDR 960 – Vascular Surgery (VA)
- MDR 981 – General Surgery EI
- MDR 982 – General Surgery EII
- MDR 984 – General Surgery EIV

Surgery

Sub-I

- MDR 917 – Burn Unit Sub-I
- MDR 931 – Trauma Surgery Sub-I
- MDR 944 – MIA VAMC General Surgery Sub-I
- MDR 976 – Acute Care Surgery Sub-I

CCS

- MDR 929 – Surgical Intensive Care Unit
- MDR 932 – Trauma Intensive Care Unit

AISS

- MDR 855 – AISS: Clinical Anatomy and Surgery - Thorax
- MDR 934 – AISS: Clinical Anatomy and Surgery - Head and Neck, Brain and Spinal Cord
- MDR 935 – AISS: Clinical Anatomy and Surgery - Brain and Spinal Cord
- MDR 936 – AISS: Clinical Anatomy and Surgery - Abdomen
- MDR 912 – AISS: Clinical Anatomy and Surgery - Urogential/Gynecology
- MDR 914 – AISS: Clinical Anatomy and Surgery - Extremities

ACE

- MDR 868 – ACE: Thoracic Surgery
- MDR 983 – ACE: General Surgery EIII

Electives

- MDR 905 – Surgical Skills Elective
- MDR 930 – Transplant Surgery
- MDR 960 – Vascular Surgery (VA)
- MDR 981 – General Surgery EI
- MDR 982 – General Surgery EII
- MDR 984 – General Surgery EIV

Urology

Sub-I

- MDR 976 – Acute Care Surgery Sub-I
- MDR 944 – MIA VAMC General Surgery Sub-I
- MDR 931 – Trauma Surgery Sub-I

CCS

- MDR 929 – Surgical Intensive Care Unit

AISS

- MDR 912 – AISS: Clinical Anatomy and Surgery - Urogential/Gynecology
- MDR 936 – AISS: Clinical Anatomy and Surgery - Abdomen

ACE

- MDR 956 – ACE: Urology
- MDR 983 – ACE: General Surgery EIII
- MDR 942 – ACE: Interventional Radiology at VA
- MDR 969 – ACE: Interventional Radiology
- MDR 894 – ACE Pediatric Nephrology
- MDR 810 – ACE: Gynecologic Oncology
- MDR 989 – ACE: Emergency Medicine
- MDR 915 – ACE: Radiation Oncology
- MDR 946 – ACE: Plastic Surgery

Electives

- MDR 938 – Urology Elective
- MDR 930 – Transplant Surgery
- MDR 807 – Advanced Gross Anatomy
- MDR 952 – Reproductive Endocrinology and Infertility
- MDR 928 – Plastic Surgery

Class of 2027 Block Schedules

Class of 2027 MD Program Block Schedule

If you are looking at this page on a mobile device, turn it on its side to see the schedule more easily

MD Program Block Schedule

Academic Years 2025-2026 & 2026-2027

Semester 1: Spring 2026

Dates	Block
January 5 – January 16	7A
January 19 – January 30	7B
February 2 – February 13	8A
February 16 – February 27	8B
March 2 – March 13	9A
March 16 – March 27	9B
March 30 – April 10	10A
April 13 – April 24	10B
April 27 – May 8	11A
May 11 – May 22	11B
May 25 – June 5	12A
June 8 – June 19	12B

Semester 2: Fall 2026

Dates	Block
July 6 – July 19	1A
July 20 – August 2	1B
August 3 – August 16	2A
August 17 – August 30	2B
August 31 – September 13	3A
September 14 – September 27	3B
September 28 – October 11	4A
October 12 – October 25	4B
October 26 – November 8	5A
November 9 – November 22	5B
November 23 – December 6	*6A
December 7 – December 20	6B

*Thanksgiving Wednesday, November 25, 2026 @ 5PM – Thursday, November 26, 2026

December 21, 2026 - January 3, 2027: WINTER BREAK

Semester 3: Spring 2027

Dates	Block
January 4 – January 17	7A
January 18 – January 31	7B
February 1 – February 14	8A
February 15 – February 28	8B
March 1 – March 14	9A
March 15 – March 28	9B
March 29 – April 11	***10A**
April 12 – April 25	***10B**
April 26 – May 9	**11A
May 10 – May 23	11B
May 24 – June 6	12A
June 7 – June 20	12B

*Blocks 10A and 10B: Transition to Residency Course for all students. No other courses are permitted during this time.

Graduation Saturday, May 8, 2027 **(tentative)

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Class of 2027 MD/MBA Dual Degree Program Block Schedule

If you are looking at this page on a mobile device, turn it on its side to see the schedule more easily

MD/MBA Program Block Schedule

Academic Years 2025-2026 & 2026-2027

Semester 1: Spring 2026

Dates	Block
January 5 – January 16	7A
January 19 – January 30	7B
February 2 – February 13	8A
February 16 – February 27	8B
March 2 – March 13	9A
March 16 – March 27	9B
March 30 – April 10	10A
April 13 – April 24	10B
April 27 – May 8	11A
May 11 – May 22	11B
May 25 – June 5	12A
June 8 – June 19	12B

Semester 2: Fall 2026

Dates	Block
July 6 – July 19	1A
July 20 – August 2	1B
August 3 – August 16	2A
August 17 – August 30	2B
August 31 - September 13	3A
September 14 - September 27	3B
September 28 - October 11	4A
October 12 - October 25	4B
October 26 - November 8	5A
November 9 - November 22	5B
November 23 - December 6	*6A
December 7 - December 20	6B

*Thanksgiving Wednesday, November 25 @ 5 pm - Sunday, November 29

December 21, 2026 – January 3, 2027 WINTER BREAK

Semester 3: Spring 2027

Dates	Block
January 4 – January 17	7A
January 18 – January 31	7B
February 1 – February 14	8A
February 15 – February 28	8B
March 1 – March 14	9A
March 15 – March 28	9B
March 29 – April 11	*10A
April 12 – April 25	*10B
April 26 – May 9	**11A
May 10 – May 23	11B
May 24 – June 6	12A
June 7 – June 20	12B

*Blocks 10A and 10B: Transition to Residency Course for all students. No other courses are permitted during this time.

Blue Blocks: MBA classes are scheduled from 6:45-10:50 pm. Evening classes on multiple days may interfere with your call schedule on certain rotations. Typically, electives will be okay. During Sub-Is, ACE, ISS and CCS you may take calls with your team. You should discuss with the course director on an individual basis, before the start of the course, how many call dates may be affected and whether it is ok to leave at 615 pm on those dates that fall on a call day.

Graduation Saturday, May 8, 2027 **(tentative)

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Class of 2027 MD/MPH Dual Degree Program Block Schedule

If you are looking at this page on a mobile device, turn it on its side to see the schedule more easily

MD/MPH Block Schedule

Academic Years 2025-2026 & 2026-2027

Semester 1: Spring 2026

Dates	Block
January 5 – January 16	7A
January 19 – January 30	7B
February 2 – February 13	8A
February 16 – February 27	8B
March 2 – March 13	9A
March 16 – March 27	9B
March 30 – April 10	10A
April 13 – April 24	10B
April 27 – May 8	11A
May 11 – May 22	11B
May 25 – June 5	12A
June 8 – June 19	12B

Semester 2: Fall 2026

Dates	Block
July 6 – July 19	1A
July 20 – August 2	1B
August 3 – August 16	2A
August 17 – August 30	2B
August 31 – September 13	3A
September 14 – September 27	3B
September 28 – October 11	4A
October 12 – October 25	4B
October 26 – November 8	5A
November 9 – November 22	5B
November 23 – December 6	6A
December 7 – December 20	6B

*Thanksgiving Wednesday, November 25, 2026 @ 5PM – Sunday, November 29, 2026

December 21, 2026 - January 3, 2027: WINTER BREAK

Semester 3: Spring 2027

Dates	Block
January 5 – January 16	7A
January 19 – January 30	7B

Dates	Block
February 2 – February 13	8A
February 16 – February 27	8B
March 2 – March 13	9A
March 16 – March 27	9B
March 30 – April 10	10A
April 13 – April 24	10B
April 27 – May 8	11A
May 11 – May 22	11B
May 25 – June 5	12A
June 8 – June 19	12B

*Blocks 10A and 10B: Transition to Residency Course for all students. No other courses are permitted during this time.

Graduation Saturday, May 8, 2027 **(tentative)

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Class of 2028 Block Schedules

Class of 2028 MD Program Block Schedule

MD Program Block Schedule

Academic Years 2026-2027 & 2027-2028

Semester 1: Spring 2027

Dates	Block
Jan 4 – Jan 15	7A
Jan 18 – Jan 29	7B
Feb 1 – Feb 12	8A
Feb 15 – Feb 26	8B
Mar 1 – Mar 12	9A
Mar 15 – Mar 26	9B
Mar 29 – Apr 9	10A
Apr 12 – Apr 23	10B
Apr 26 – May 7	11A
May 10 – May 21	11B
May 24 – Jun 4	12A
Jun 7 – Jun 18	12B

Semester 2: Fall 2027

Dates	Block
Jul 5 – Jul 16	1A
Jul 19 – Jul 30	1B
Aug 3 – Aug 13	2A
Aug 16 – Aug 27	2B
Aug 30 – Sep 10	3A
Sep 13 – Sep 24	3B
Sep 27 – Oct 8	4A
Oct 11 – Oct 22	4B
Oct 25 – Nov 5	5A
Nov 8 – Nov 19	5B
Nov 22 – Dec 3	*6A
Dec 6 – Dec 17	6B

**Thanksgiving Wednesday, November 24, 2027 @ 5PM – Thursday, November 25, 2027*

December 19, 2027 - January 2, 2028: WINTER BREAK

Semester 3: Spring 2028

Dates	Block
Jan 3 – Jan 14	7A
Jan 17 – Jan 28	7B
Jan 31 – Feb 11	8A
Feb 14 – Feb 25	8B
Feb 28 – Mar 10	9A
Mar 13 – Mar 24	9B
Mar 27 – Apr 7	10A
Apr 10 – Apr 21	10B
Apr 24 – May 5	**11A
May 8 – May 19	11B
May 22 – Jun 2	12A
Jun 5 – Jun 16	12B

Blocks 10A and 10B: Transition to Residency Course for all students. No other courses are permitted during this time.

***Graduation May 6, 2028 (tentative)*

Class of 2028 MD/MBA Dual Degree Program Block Schedule

MD/MBA Program Block Schedule

Academic Years 2026-2027 & 2027-2028

Semester 1: Spring 2027

Dates	Block
Jan 4 – Jan 15	7A
Jan 18 – Jan 29	7B
Feb 1 – Feb 12	8A
Feb 15 – Feb 26	8B
Mar 1 – Mar 12	9A
Mar 15 – Mar 26	9B
Mar 29 – Apr 9	10A
Apr 12 – Apr 23	10B
Apr 26 – May 7	11A
May 10 – May 21	11B
May 24 – Jun 4	12A
Jun 7 – Jun 18	12B

Red Blocks: MBA classes occur during the day and/or multiple days, and no medical rotations are permitted.

Blue Blocks: MBA classes are scheduled from 6:45-10:50 pm. Evening classes on multiple days may interfere with your call schedule on certain rotations. Typically, electives will be ok. During Sub-Is, ACE, AISS and CCS you may take calls with your team. You should discuss with the course director on an individual basis, before the start of the course, how many call dates may be affected and whether it is ok to leave at 6:15 pm and return after 10:50 (if overnight call) on those dates that fall on a call day.

Semester 2: Fall 2027

Dates	Block
Jul 5 – Jul 16	1A
Jul 19 – Jul 30	1B
Aug 3 – Aug 13	2A
Aug 16 – Aug 27	2B
Aug 30 – Sep 10	3A
Sep 13 – Sep 24	3B
Sep 27 – Oct 8	4A
Oct 11 – Oct 22	4B
Oct 25 – Nov 5	5A
Nov 8 – Nov 19	5B
Nov 22 – Dec 3	*6A
Dec 6 – Dec 17	6B

Blue Blocks: MBA classes are scheduled from 6:45-10:50 pm. Evening classes on multiple days may interfere with your call schedule on certain rotations. Typically, electives will be ok. During Sub-Is, ACE, AISS and CCS you may take calls with your team. You should discuss with the course director on an individual basis, before the start of the course, how many call dates may be affected and whether it is ok to leave at 6:15 pm and return after 10:50 (if overnight call) on those dates that fall on a call day.

**Thanksgiving Wednesday, November 24, 2027 @ 5PM – Thursday, November 25, 2027*

December 19, 2027 - January 2, 2028: WINTER BREAK

Semester 3: Spring 2028

Dates	Block
Jan 3 – Jan 14	7A
Jan 17 – Jan 28	7B
Jan 31 – Feb 11	8A
Feb 14 – Feb 25	8B
Feb 28 – Mar 10	9A
Mar 13 – Mar 24	9B
Mar 27 – Apr 7	*10A
Apr 10 – Apr 21	*10B
Apr 24 – May 5	**11A
May 8 – May 19	11B
May 22 – Jun 2	12A
Jun 5 – Jun 16	12B

Red Blocks: MBA classes occur during the day and/or multiple days, and no medical rotations are permitted.

Blue Blocks: MBA classes are scheduled from 6:45-10:50 pm. Evening classes on multiple days may interfere with your call schedule on certain rotations. Typically, electives will be ok. During Sub-Is, ACE, AISS and CCS you may take calls with your team. You should discuss with the course director on an individual basis, before the start of the course, how many call dates may be affected and whether it is ok to leave at 6:15 pm and return after 10:50 (if overnight call) on those dates that fall on a call day.

***Blocks 10A and 10B**: Transition to Residency Course for all students. No other courses are permitted during this time.

***Graduation May 6, 2028 (tentative)*

Class of 2028 MD/MPH Dual Degree Program Block Schedule

MD/MPH Program Block Schedule

Academic Years 2026-2027 & 2027-2028

Semester 1: Spring 2027

Dates	Block
Jan 4 – Jan 15	7A
Jan 18 – Jan 29	7B
Feb 1 – Feb 12	8A
Feb 15 – Feb 26	8B
Mar 1 – Mar 12	9A
Mar 15 – Mar 26	9B
Mar 29 – Apr 9	10A
Apr 12 – Apr 23	10B
Apr 26 – May 7	11A
May 10 – May 21	11B
May 24 – Jun 4	12A
Jun 7 – Jun 18	12B

Red Blocks: classes occurring during the day, and no medical rotations are permitted.

Spring 2027 Blocks 10A through 12A: MD/MPH students are required to attend a longitudinal synchronized online Public Health seminar series every Thursday afternoon from 1 to 4 pm. Please inform your course director(s) in Blocks 10 A and 10 B of this curricular requirement and if you are on an away rotation, please ensure that the course director of that institution is aware of this requirement.

Semester 2: Fall 2027

Dates	Block
Jul 5 – Jul 16	1A
Jul 19 – Jul 30	1B
Aug 3 – Aug 13	2A
Aug 16 – Aug 27	2B
Aug 30 – Sep 10	3A
Sep 13 – Sep 24	3B
Sep 27 – Oct 8	4A
Oct 11 – Oct 22	4B
Oct 25 – Nov 5	5A
Nov 8 – Nov 19	5B
Nov 22 – Dec 3	6A
Dec 6 – Dec 17	6B

**Thanksgiving Wednesday, November 24, 2027 @ 5PM – Thursday, November 25, 2027*

December 19, 2027 - January 2, 2028: WINTER BREAK

Semester 3: Spring 2028

Dates	Block
Jan 3 – Jan 14	7A
Jan 17 – Jan 28	7B
Jan 31 – Feb 11	8A
Feb 14 – Feb 25	8B
Feb 28 – Mar 10	9A
Mar 13 – Mar 24	9B
Mar 27 – Apr 7	10A
Apr 10 – Apr 21	10B
Apr 24 – May 5	**11A
May 8 – May 19	11B
May 22 – Jun 2	12A
Jun 5 – Jun 16	12B

Blocks 10A and 10B: Transition to Residency Course for all students. No other courses are permitted during this time.

***Graduation May 6, 2028 (tentative)*

Courses

Anatomy

MDR 807

This elective provides the ability to study advanced regional anatomy with opportunities for students to develop teaching and presentation skills.

Credits	**2**
Typically Offered Terms	**Fall Spring**

MDR 855

This advanced anatomy selective course is offered to the NextGen Phase 3 Miller School of Medicine students who have a strong interest in deepening their knowledge of surgical anatomy and developing their surgical dissecting skills. Learning will be accomplished through self-directed on-demand lectures (“flipped classroom”), practical demonstrations by Anatomy faculty, proctored dissection of human donors, and real-time, hands-on exposure in the operating rooms. In addition, workshops designed to teach the students the foundational skills of surgical knot tying, instrument handling and suturing techniques. These workshops will be given twice during the rotation, and these skills will be tested at the end of the rotation.

Credits	**4**
Typically Offered Terms	**Fall Spring**

MDR 877

Immunology is increasingly important in understanding the pathophysiology of disease and in the diagnosis and treatment of disease. In this Immunology Advanced Integrated Science Selective, students will engage in self directed learning of advanced immunological topics and experience clinical applications. In a series of clinical rotations, students will spend 1 week each with faculty in Pediatric Allergy/Immunology, Pediatric Infectious Disease, Pediatric Bone Marrow Transplant, and Adult Solid Organ Transplant. Additionally, throughout the rotation, there will be opportunities for additional clinics such as, but not limited to: Bascom Palmer’s Uveitis and Ocular Immunology Clinic, Adult Rheumatology Arthritis Clinic, Adult Inflammatory Bowel Disease Clinic, and Pediatric Cystic Fibrosis Clinic. At the end of the 4 week rotation, students should have an understanding and appreciation for the translational application of basic immunology to the clinical realm.

Credits	**4**
Typically Offered Terms	**Fall Spring**

MDR 884

The Pharmacology and Pharmacy Selective will provide those who enroll with a detailed overview and understanding of basic pharmacology and drug development concepts, including, but not limited to drug-receptor interaction, elucidation of the mechanism of action, pharmacokinetic and drug metabolism concepts, active/toxic metabolites, role of pharmacogenomics and drug-drug interactions, the drug discovery and development process, overview of regulatory requirements and the FDA approval process, and clinical trials (phases 0 to 4). Students will be expected to learn what are the requirements of a safe and effective drug, what are possible sources for new drugs and what are the basic regulatory requirements for their approval, what are the effects of pharmacogenomics and drug-drug interactions, and what are the basic concepts of clinical trials. The corresponding clinical section, Acute Care Pharmacy selective is designed to offer students insight into the intricate workings of pharmacy in the acute care setting. Students will work alongside clinical pharmacists and pharmacy administration who will explain their pharmacy services and their role in patient care. Students are expected to learn pharmacy operations, methods utilized to minimize medication errors, role of the clinical pharmacist in the medical team, and an overview of pharmaco-economics.

Credits	**4**
Typically Offered Terms	**Fall Spring**

MDR 912

This advanced anatomy selective course is offered to the NextGen Phase 3 Miller School of Medicine students who have a strong interest in deepening their knowledge of surgical anatomy and developing their surgical dissecting skills. Learning will be accomplished through self-directed on-demand lectures (“flipped classroom”), practical demonstrations by Anatomy faculty, proctored dissection of human donors, and real-time, hands-on exposure in the operating rooms. In addition, workshops that are designed to teach the students the foundational skills of surgical knot tying, instrument handling and suturing techniques. These workshops will be given twice during the rotation and these skills will be tested at the end of the rotation.

Credits	**4**
Typically Offered Terms	**Fall Spring**

MDR 914

This advanced anatomy selective course is offered to the NextGen Phase 3 Miller School of Medicine students who have a strong interest in deepening their knowledge of surgical anatomy and developing their surgical dissecting skills. Learning will be accomplished through self-directed on-demand lectures (“flipped classroom”), practical demonstrations by Anatomy faculty, proctored dissection of human donors, and real-time, hands-on exposure in the operating rooms. In addition, workshops that are designed to teach the students the foundational skills of surgical knot tying, instrument handling and suturing techniques. These workshops will be given twice during the rotation and these skills will be tested at the end of the rotation.

Credits	**4**
Typically Offered Terms	**Fall Spring**

MDR 934

This advanced anatomy selective course is offered to the NextGen Phase 3 Miller School of Medicine students who have a strong interest in deepening their knowledge of surgical anatomy and developing their surgical dissecting skills. Learning will be accomplished through self-directed on-demand lectures (“flipped classroom”), practical demonstrations by Anatomy faculty, proctored dissection of human donors, and real-time, hands-on exposure in the operating rooms. In addition, workshops that are designed to teach the students the foundational skills of surgical knot tying, instrument handling and suturing techniques. These workshops will be given twice during the rotation and these skills will be tested at the end of the rotation.

Credits	**4**
Typically Offered Terms	**Fall Spring**

MDR 935

This advanced anatomy selective course is offered to the NextGen Phase 3 Miller School of Medicine students who have a strong interest in deepening their knowledge of surgical anatomy and developing their surgical dissecting skills. Learning will be accomplished through self-directed on-demand lectures (“flipped classroom”), practical demonstrations by Anatomy faculty, proctored dissection of human donors, and real-time, hands-on exposure in the operating rooms. In addition, workshops that are designed to teach the students the foundational skills of surgical knot tying, instrument handling and suturing techniques. These workshops will be given twice during the rotation and these skills will be tested at the end of the rotation.

Credits	**4**
Typically Offered Terms	**Fall Spring**

MDR 936

This anatomy integrated science selective (AISS) course is offered to the NextGen Phase 3 Miller School of Medicine students who have a strong interest in deepening their knowledge of surgical anatomy and developing their surgical dissecting skills. Learning will be accomplished through self- directed on-demand lectures (“flipped classroom”), practical demonstrations by Anatomy faculty, Surgery Faculty and Surgery residents in proctored dissection of human donors, and real-time, hands- on exposure in the operating rooms. In addition, workshops that are designed to teach the students the foundational skills of surgical knot tying, instrument handling and suturing techniques. These workshops will be given twice during the rotation and these skills will be tested at the end of the rotation.

Credits	**4**
Typically Offered Terms	**Fall Spring**

MDR 964

Cancer is the second leading cause of death in the United States. Each year over 1.3 million Americans are diagnosed with cancer and over 660, 000 die. By the time a male is 65 they will have a 1 in 2 chance of getting cancer and a female 1 in 3 chances. Cure rates are improving with earlier detection and improved treatments. There have also been major advances in treatments that can significantly prolong life in those patients that are incurable. It is of the upmost importance for medical students to learn as much as possible about cancer. Suboptimal clinical outcomes for cancer patients are frequently caused by physicians not recognizing cancer in earlier stages or not treating the cancer patient properly due to lack of knowledge which stems from their lack of exposure to cancer patients in medical school. Medical students will be given the opportunity to directly observe the various specialties involved with diagnosing and managing cancer patients including specialized pathologists, medical oncologists, radiation oncologist and surgical oncologist (including gynecology/oncologist, orthopedic oncologist, head and neck oncologist and urological oncologist).

Credits	**4**
Typically Offered Terms	**Fall Spring**

MDR 974

This is a 4 week selective intended to expose the senior medical student to the clinical practice of cardiology. During the rotation, the student will have the opportunity to interact with multiple specialists who have expertise in various areas of cardiology and attend cardiac conferences. outcomes.

Credits	**4**
Typically Offered Terms	**Fall Spring**

Anesthesiology

MDR 809

The Senior Elective rotation program is consistent with the guidelines of the American Society of Anesthesiology. However, few additions and modifications are included in order to make this rotation a more meaningful one for a student who has been exposed to anesthesiology during the core rotation. By the end of the rotation, the student is expected to be proficient in airway management, pharmacology of general and local anesthetics, drug interactions, and the medical evaluation of surgical patients as it pertains to anesthesia.

Credits	**4**
Typically Offered Terms	**Fall Spring**

MDR 819

This is a 2-week night shift elective intended to further increase the Phase 3 students' exposure to a spectrum of experiences in Obstetric Anesthesiology. The student is permitted to schedule this course after successfully completing the Advanced Anesthesiology ACE (which includes a week of obstetric anesthesiology day shifts). This rotation will include topics related to the field including the principles and the practice of obstetric anesthesia, maternal/fetal physiology, and pharmacology. Each week, the student will work with faculty, fellows, and residents delivering anesthetic care to obstetric patients in the Labor and Delivery unit and obstetric operating rooms. The course will provide the student with exposure to, and experience performing, the preoperative assessment of obstetric patients and gain a basic understanding of neuraxial labor analgesia techniques. Motivated students may be allowed the opportunity to help perform neuraxial procedures under direct supervision.

Credits	**2**
Prerequisites	**MDR 809 ACE: Advanced Anesthesiology**
Typically Offered Terms	**Fall Spring**

MDR 953

During this rotation, the student will be exposed to the principles and the practice of cardiothoracic anesthesia, applied cardiovascular physiology and pharmacology. The course will provide an opportunity for the student to perform preoperative assessment and exposure to intraoperative management of cardiothoracic surgical patients from the perspective of the cardiac anesthesiologist. The student will work with faculty, fellows, and residents delivering anesthetic care to adult patients undergoing cardiac, thoracic, and vascular procedures – which includes coronary artery bypass graft, valve repair/replacement, mechanical circulatory support (such as ECMO, LVAD), transplant (heart & lung), hybrid procedures (such as TAVR), lung resection, and cardiac catheter laboratory procedures (such as high-risk PCI) to name a few. It is imperative to understand that experience during the rotation varies depending on your motivation/interest along with the cardiac anesthesia staffing and OR schedule being dynamic on a day- to-day basis.

Credits	**4**
Typically Offered Terms	**Fall Spring**

MDR 954

This elective introduces medical students to the subspecialty of pediatric anesthesiology through direct participation in the perioperative care of neonates, infants, children, and adolescents undergoing a wide range of surgical and diagnostic procedures. During this two-week rotation, students will gain exposure to ambulatory and inpatient pediatric anesthesia, regional anesthesia techniques, and congenital cardiac anesthesia. Clinical experiences may include the operating room, NICU and PICU bedside procedures, pediatric sedation and imaging suites, and the Bascom Palmer ambulatory surgery center. Didactic sessions will review fundamental concepts in pediatric physiology, pharmacology, anatomy, and perioperative management, while providing instruction in procedural skills relevant to pediatric anesthetic care.

Credits	**2**
Typically Offered Terms	**Fall Spring**

MDR 963

During this rotation, the student will be exposed to the principles and the practice of obstetric anesthesia, maternal/fetal physiology, and pharmacology. The course will provide the student exposure to, and experience performing, the preoperative assessment of obstetric patients and gain a basic understanding of neuraxial labor analgesia techniques. The student will work with faculty, fellows, and residents delivering anesthetic care to obstetric patients in the Labor & Delivery unit and obstetric operating rooms.

Credits	**4**
Typically Offered Terms	**Fall Spring**

Dermatology

MDR 806

The student will have the opportunity to participate in the management of a multitude of difficult-to- heal wounds including common wounds such as diabetic foot ulcers, venous ulcers, pressure ulcers), as well as atypical wounds such as wounds due to connective tissue disease and pyoderma gangrenosum. Students will interview patients and identify critical pathways that will lead to the diagnosis, etiology, pathophysiology and treatment of these difficult-to-heal wounds. Students will learn to care for these wounds by designing treatment plans as part of a multidisciplinary team.

Credits	**2**
Typically Offered Terms	**Fall Spring**

MDR 811

The student will attend 7 clinics per week, weekly management conferences and grand rounds, the Miami Dermatology Society meetings (which are held 6 times a year), journal club, and slide conferences. The student will participate in outpatient dermatologic care, under supervision of the Chief Resident and a member of the faculty, at Jackson Memorial Hospital and the University of Miami Hospital. Development of history-taking, diagnostic skills, and ambulatory management of dermatological diseases will be emphasized in this elective program. Basic diagnostic procedures, including punch and shave biopsies, Tzanck, scabies, and potassium hydroxide preparations will be taught. There will also be opportunities to observe surgical therapy and the Dermatology inpatient service. All students will be required to participate in slide reading session with Dr. Elgart.

Credits	**2**
Typically Offered Terms	**Fall Spring**

MDR 813

The 4-week selective of Advanced Science Selective in Dermatology is to foster future generations and leaders of physician scientists in medicine, skin related fields such as dermatology, wound healing, plastic surgery, and otolaryngology, among others. The program is to train medical students in a focused knowledge area of Skin Science. Through the integration of fundamental basic science and clinical dermatology rotations, students will become familiar with common skin disorders and potential underlined mechanisms and unmet challenges.

Credits	**4**
Typically Offered Terms	**Fall Spring**

MDR 886

The understanding of mechanisms of pathophysiology and effective therapy in pediatric dermatological diseases is stressed in this elective. The students will participate in management of in-patient and out-patient dermatological and connective tissue problems. Diagnostic techniques by light microscopy and immunologic techniques and standard dermatologic laboratory techniques will be emphasized. The student will attend approximately 7 clinics per week, weekly management conferences and grand rounds, the Miami Dermatology Society meetings (which are held 6 times a year), journal club, and slide conferences. All students will be required to participate in slide reading session with Dr. Elgart.

Credits	**2**
Typically Offered Terms	**Fall Spring**

Emergency Medicine

MDR 896

The senior student will be given the opportunity to assist the Poison Information Specialists and Toxicologists at the Florida Poison Information Center with the diagnosis, triage, treatment and follow-up of patients exposed to toxins. The high volume of cases (over 170 patients per day) will allow the student to learn about a wide variety of toxins in both pediatric and adult patients. The clinical experience at the Poison Center will be supplemented with didactic lectures and bedside consultations for both adult and pediatric patients hospitalized at Jackson Memorial Hospital.

Credits	**2**
Prerequisites	**Department approval required to enroll. Please email Dragana or Eva.**
Typically Offered Terms	**Fall Spring**

MDR 989

The goal of this elective is to provide students who are pursuing careers in emergency medicine an opportunity to experience the care of patients in the emergency room setting and provide sufficient exposure to the Emergency Medicine Residency Faculty so that they can provide a useful Standardized Letter of Evaluation (SLOE).

Credits	**4**
Typically Offered Terms	**Fall Spring**

Family Medicine

MDR 817

Students taking this elective will have the opportunity to experience the true essence and diversity of the practice of Family Medicine in an ambulatory setting and develop knowledge of the specialty. We aim to immerse students in the real-life daily workings of primary care in the community, exposing learners to a myriad of acute and chronic illnesses, as well as the art of practicing medicine tailored to an individual patient's needs. Students are expected to participate with their family physician preceptor in all health care related activities. These may include but are not limited to management of hospitalized patients, nursing home visits, home visits, and volunteer activities.

Credits	**2**
Typically Offered Terms	**Fall Spring**

MDR 825

Students will be immersed in the emerging field of Integrative Health and Medicine through direct experience of philosophy and therapies, didactic sessions, inquiry, observation, and self-reflection.

Credits	**4**
Typically Offered Terms	**Fall Spring**

MDR 869

In this ACE, we aim to integrate the students into our Inpatient Family Medicine Team to provide them with the opportunity to experience firsthand and deepen their understanding of the specialty.

Credits	**4**
Typically Offered Terms	**Fall Spring**

MDR 892

The sub-internship (Sub-I), a 4-week experience, offered during Phase 3 of the NextGen curriculum is intended to provide a learning experience for the student that prepares them to serve as competent interns and effective members of an interdisciplinary team. The primary objective of this rotation is to emphasize mastery of clinical core Family Medicine inpatient medicine competencies, to develop skills in inpatient management of common medical illnesses, and to prepare Phase 3 medical students for internship. This rotation will promote the expansion of the clinical knowledge base and emphasize the practice of evidence-based internal medicine.

Credits	**4**
Typically Offered Terms	**Fall Spring**

General

MDR 815

Information on applying for externships is provided on the MedEd website. Policies regarding applying for Externships is also available on the website.

Credits	**2-8**
Typically Offered Terms	**Fall Spring**

MDR 907

MDR 907 is only used for those students completing Unfunded Research on an official Leave of Absence capacity. There is no longer an option to receive elective credits for research projects. For additional questions, please contact the Registrar at JHB195@miami.edu.

Credits	**0**
Typically Offered Terms	**Fall Spring**

MDR 987

SOAR Fellows are instructed in the principles of research and manuscript writing by working closely with the physicians of The Balkan Center and Bascom Palmer Eye Institute's career researchers. Our established national and international programs and initiatives (blindness prevention, pediatric eye diseases and ocular genetics) provide a structure from which Fellows can choose an area of focused study. SOAR Fellow research opportunities include telehealth in ophthalmology, developmental and quality of life issues in children with vision loss and their families, and genetic and environmental factors affecting eye disease.

This is only used for those students completing Research on an official Leave of Absence capacity. There is no longer an option to receive elective credits for research projects. For additional questions, please contact the Registrar at JHB195@miami.edu.

Credits	**0**
Typically Offered Terms	**Fall Spring**

MDR 994

The DREAM research scholarship program is designed for medical students who are interested in pursuing a physician-scientist career in academic medicine. The DREAM program integrates Miller School of Medicine's outstanding preclinical and clinical training, rigorous research training, and professional development elements specifically designed to enhance the physician-scientist training experience. Through engaged mentoring, this research scholarship provides medical students a valuable education and training opportunity in basic and translational science. Students will join a research lab at the Miller School of Medicine, carry out independent research projects, and acquire the essential research skills (study design, experimental execution, project management, and report preparation) designed to accelerate a career path in academic medicine. The one-year DREAM research program will start after the end of year 3 (June of MS3) for students in legacy curriculum, and after the Phase 2 (January of MS3) for students in NextGen MD curriculum.

This is only used for those students completing Research on an official Leave of Absence capacity. There is no longer an option to receive elective credits for research projects. For additional questions, please contact the Registrar at JHB195@miami.edu.

Credits	**0**
Typically Offered Terms	**Fall Spring**

MDR 996

Students who wish to take part in an international elective outside of the VSLO program must receive approval from the medical education administration. Additional information is also required, including written goals/objectives for the rotation, expectations, student responsibilities, location/institution for the clinical experience, how the student will be evaluated, and the name/contact of physician who will complete the evaluation form. The details of this process are described in the UMMSM Student Rights and Responsibilities Handbook.

For additional information regarding applying to international rotations, please click on the link below which will take you to our UMMSM Student Rights and Responsibilities Handbook. Policies for international rotations are located in the “Other Policies” section.

Combined Full Handbook 2025-2026.pdf

Credits	**0-0**
Typically Offered Terms	**Fall Spring**

MDR 1019

The Senior Boot Camp offers fourth-year medical students an opportunity to review and hone core concepts, diagnostic/therapeutic algorithms, procedural skills, and communication tools in preparation for the internship year.

Credits	**4**
Typically Offered Terms	**Fall Spring**

MDR 1036

MAP 301 builds upon the foundations learned in prior MAP courses. The majority of your MAP 301 sessions will consist of a variety of seminars delivered in collaboration with student services, as well as 1:1 meetings with your longitudinal clinical educator. The main focus of these sessions will be to provide students with the required tools and guidance needed for a successful transition into residency.

Credits	**1**
Typically Offered Terms	**Spring**

MDR 1037

MAP 302 builds upon the foundations learned in prior MAP courses. The majority of your MAP 302 sessions will consist of a variety of seminars delivered in collaboration with student services, as well as 1:1 meetings with your longitudinal clinical educator. The main focus of these sessions will be to provide students with the required tools and guidance needed for a successful transition into residency.

Credits	**1**
Typically Offered Terms	**Fall**

MDR 1038

Students pursuing a NextGenMD pathway undertake a scholarly project under the guidance of a faculty mentor. The culmination of this academic journey involves the creation of a comprehensive final Capstone project report and presentation, focusing on the scholarly (research) question explored during the project.

Visit their website here.

Credits	**3**
Typically Offered Terms	**Fall Spring**

Human Genetics

MDR 890

This elective exposes students to diagnosis and management of a variety of genetic syndromes, inheritable metabolic diseases, hereditary cancer syndromes, and other heritable disorders.

Credits	**2**
Typically Offered Terms	**Fall Spring**

Medical Education / Interdisciplinary

MDR 837

The healthcare services landscape is shifting. Hospitals, which were the foundation of American healthcare, are having to reconfigure their organizations and services. Satellite offices, acute care locations, and even pharmacies are offering more services to increasingly stratified patient consumers. This interdisciplinary course offers graduate students across the University the opportunity to examine closely the complexity of today's health care services and the necessarily multiple perspectives from which we view, think, and work in healthcare settings.

Credits	**2**
Typically Offered Terms	**Fall Spring**

MDR 878

This elective offers students that are interested in digital healthcare innovations—specifically Prescription Digital Therapeutics (PDTx) and Software as Medicine—the opportunity to gain a structured, real-world understanding of this rapidly evolving field.
The course emphasizes how PDTx are clinically validated, regulated, prescribed, reimbursed, and adopted in practice, with increasing attention to the integration of wearables, biometric data, and digital endpoints. Through interactive seminars led by top pioneering CEOs and industry leaders, the elective incorporates discussion-driven sessions to engage students directly with operators at the forefront of the field. These sessions focus on real-world decision-making, strategic tradeoffs, and lessons learned across the PDTx lifecycle, providing insight into what drives success—or failure—once products reach the market.

Students must attend ALL 7 seminars to receive credit.

Credits	**2**
Prerequisites	**All students must email Maria Forero directly at the email above for permission to take the elective by February 14, 2027. In the email, students must include a one paragraph description of their motivation and goals for taking the elective. A final cohort of 15 will be selected based on this introductory email.**
Typically Offered Terms	**Spring**

MDR 949

This elective provides an opportunity for Phase 2 and Phase 3 medical students to provide clinical care at student-run free clinics and health fairs while advancing their knowledge of the social determinants of health and the barriers that underinsured patients encounter in obtaining preventive, primary, and specialty medical care. This elective will provide medical students with an engaging clinical experience that will prepare them to more effectively advocate and care for underinsured patients.
In addition to their clinical roles, students will be actively involved as both teachers and learners. Working under the direct supervision of physicians, students will participate in training and educating volunteer earlier level students by leading clinical care teams and conducting wrap-up sessions at the end of each clinic session. To prepare them for their educator roles, students will receive training outside of clinic on various topics pertaining to teaching skills and the social determinants of health.
This longitudinal experience provides students with the opportunity to receive two weeks of elective credit by completing the required assignments and at least 18 clinic sessions or equivalents as described that may be scheduled over the course of Phase 2 and Phase 3.

Credits	**2**
Prerequisites	**Students must sign up at time of offering in the 1st semester of the MS2 year and selections will be made during the first Clerkship block of Phase 2. There may be a required submission of CV and a paragraph explaining why this elective is important to you based on demand, at the discretion of the course director. Students will receive credit for sessions only while active in an M.D. degree track; they will not receive credit for sessions attended while on Leave of Absence (research, personal) or while doing a 2nd degree that is not part of a 4-year M.D. combined degree program.**
Typically Offered Terms	**Fall Spring**

MDR 1009

This elective offers students who are interested in medical education the opportunity to become familiar with what is required to build and maintain a medical curriculum as well as hone their educational skills in the classroom and clinical setting. This elective will allow senior students the opportunity to gain further insight into the overall goals of medical education and receive a well-rounded immersion in the areas of teaching and curriculum development.

Credits	**2**
Typically Offered Terms	**Fall Spring**

Medicine

MDR 820

The ambulatory block rotation serves to enhance the medical student’s knowledge and skills in caring for the ambulatory medical patient. Students will primarily be seeing patients which are new to the outpatient clinic, addressing preventive screening as well as care of chronic conditions such as diabetes, hypertension, cardiomyopathy, and chronic obstructive pulmonary disease. In addition, they will be exposed to patients with the following characteristics: -Ambulatory patients with acute complaints -Gender-specific medical care -Patients recently discharged from the inpatient setting or from the emergency room -Patients being evaluated for surgery -Patients presenting for routine GYN care.

Credits	**2**
Typically Offered Terms	**Fall Spring**

MDR 821

This elective will teach the student an approach to the diagnosis, management and therapy of common rheumatic disease including rheumatoid arthritis, gout and osteoarthritis. In addition, unusual diseases such as systemic sclerosis, polymyositis, and vasculitis are seen. Students will become proficient in the examination of joints and interpretation of joint fluid findings.

Credits	**2**
Typically Offered Terms	**Fall Spring**

MDR 822

This elective is intended to provide the senior medical student with a variety of cardiac critical care experiences, including acute myocardial infarction, cardiogenic shock, heart failure, valvular heart disease, post cardiac surgery, and arrhythmias. The student will also be exposed to clinical research ranging from valvular heart disease to stem cell transplantation. Three-to-four cardiology conferences will be offered each week, supplementing the daily teaching rounds, which include didactic presentations. An opportunity for procedures experience, including central line placement, will also be available.

Credits	**2**
Typically Offered Terms	**Fall Spring**

MDR 824

This rotation includes consultative diagnosis, electrocardiography, and intensive medical and surgical cardiac care at either JMH or VAMC.

Credits	**2**
Typically Offered Terms	**Fall Spring**

MDR 826

This is a 4-week elective intended to expose the senior medical student to a spectrum of experiences in Endocrinology and Diabetes. Students must reach out to both Dr. Soliman and Deylin Pedroso at least one week prior to the start of the rotation for their schedule and instructions on where to report.

Credits	**4**
Typically Offered Terms	**Fall Spring**

MDR 827

This advanced geriatrics elective allows students to gain additional experience evaluating older patients in a variety of care settings under the supervision of attendings physicians and fellows in geriatric medicine. It can also be designed to give students a clinical or research experience in a specialized area of geriatrics tailored to their interests. Students will be assigned to a primary clinical venue and will have opportunities to rotate through other care settings (inpatient consultation, outpatient, long-term care, specialty clinic, spinal cord service). As most of our clinical venues are located in the VA, students must be fully onboarded at the VA with up-to-date credentials.

Credits	**2**
Typically Offered Terms	**Fall Spring**

MDR 829

This elective presents students with the opportunity to follow patients with life endangering cardiac problems from the moment of admission to the hospital to discharge from the Unit. Particular emphasis is placed on clinical aspects of diagnosis and management of these patients. Participation in the insertion of Swann-Ganz and pacemaker catheters shall be allowed for students who show exceptional interest. The rotation will, in addition, provide experience in computerized monitoring of arrhythmias, EKG and echocardiographic interpretations, and experience in interpreting cardiac catheterization data.

Credits	**2**
Typically Offered Terms	**Fall Spring**

MDR 830

This is a 4-week clinical elective intended to expose the medical students to a wide spectrum of experiences in gastroenterology. Generally, each two weeks, the students will rotate through a different clinical setting and see patients/procedures based on the emphasis at that location.

Credits	**4**
Typically Offered Terms	**Fall Spring**

MDR 833

The Hematology consult service at JMH is responsible for the initial evaluation and ongoing management of patients admitted to JMH in which a hematology consult is requested. These requests can include consultations for malignant hematology conditions, benign hematology conditions and coagulopathies.

Credits	**2**
Typically Offered Terms	**Fall Spring**

MDR 834

This is a two-week clinical elective to expose medical students to a wide spectrum of experiences in General as well as Transplant Hepatology.

Credits	**2**
Typically Offered Terms	**Fall Spring**

MDR 835

This two-week medical school course offers students structured, hands-on exposure to common bedside procedures and multidisciplinary care in a hospital setting. Students will gain comfort in working in sterile environments while maximizing patient safety and comfort. This course emphasizes both procedural observation/participation and interdisciplinary collaboration, providing students with a well-rounded clinical experience in invasive bedside care and specialized support teams. Students will complete the two-day hands-on training period with residents coming onto their month-long procedural medicine rotation and take a quiz at the completion of this training. Students will get the chance to observe and set up for procedures, consent patients, and may have the opportunity to perform/assist with procedures on a case-by-case basis. This elective is designed for students entering inpatient-heavy specialties who may not have had significant hands-on exposure to bedside procedures, multidisciplinary inpatient care teams, or sterile environments during prior rotations. It aims to build clinical confidence, procedural literacy, and team-based care readiness prior to residency.

Credits	**2**

MDR 836

This elective provides a learning experience in the clinical discipline of Infectious Diseases, a discipline that stresses accurate definition of disease and establishment of an etiologic diagnosis through clinical assessment and microbiologic testing. Treatment can be rationally selected when the etiologic diagnosis is correctly identified. Appropriate initiation and discontinuation of antimicrobials are key activities on the ID service. Performing these steps under guidance of a physician with ID specialty training provides the essence of this clinical experience. This elective provides a unique opportunity to see a broad range of infectious diseases.

Credits	**4**
Typically Offered Terms	**Fall Spring**

MDR 839

The Critical care selective is mandatory for Phase 3 students who have successfully completed their clerkships. The purpose of this selective is to provide the student a robust exposure of critical care concepts, aligned with their career of choice. This selective focuses on developing skills to recognize early signs of a critically ill patient who would benefit from specialized intensive care and to implement interventions to stabilize a patient during the initial critical phase of their illness. The course will build on core physiological concepts students were introduced to previously. There will be unique opportunities to implement these concepts in real-time in the care of their critically ill patient, allowing them to directly observe changes in the patient's clinical status related to their intervention.

Credits	**2**
Typically Offered Terms	**Fall Spring**

MDR 840

The Street Classroom elective, hosted by the Dade County Street Response, will provide a unique experience for University of Miami Miller students in the care of our unhoused patient population. There will be opportunities to develop medical skills used in atypical social and environmental situations. Students will have the chance to identify barriers and coordinate outreach strategies. Additionally, students will manage problems related to mental health and substance use. They will work closely with the Dade County Street Response student staff, case managers, and other members of a multi-disciplinary outreach health care team.

The primary function of DCSR is in social justice and solidarity - not in the creation of volunteer or student learning opportunities. However, we believe it is possible to offer an ethical balance of teaching/learning while providing critical social services. By offering this opportunity, we may hold the door open for students after us who wish to engage in the care of unsheltered person s. We hope our program encourages the next generation of physicians to see this population with clearer eyes and a more open heart.

Credits	**4**
Typically Offered Terms	**Fall Spring**

MDR 842

The clinical and teaching activities focus on the provision of consultative and direct medical care for patients with renal disease, hypertension, disorders of water, electrolyte and acid-base balance, and related metabolic and immunologic disease. Contemporary technologies used in diagnosis and treatment include renal biopsy, acute and chronic hemo- and peritoneal-dialysis, renal transplantation, plasmapheresis, evaluation of nuclear flow studies, and interventional nephrology.

Credits	**4**
Typically Offered Terms	**Fall Spring**

MDR 853

This is a 2-week elective intended to expose the senior medical student to the procedures performed in interventional cardiology. During the rotation, the student will have the opportunity to interact with multiple specialists who have expertise in various areas of interventional cardiology and attend cardiology conferences.

Credits	**2**
Prerequisites	**Cardiac ICU or Cardiology Consults preferred**
Typically Offered Terms	**Fall Spring**

MDR 951

This rotation consists of a focused review of clinical cardiology with an emphasis on skills related to 12-lead ECG and arrythmia interpretation and cardiac bedside examination.

Credits	**2**
Typically Offered Terms	**Fall Spring**

MDR 962

The sub-internship (Sub-I), a 4-week experience, offered during Phase 3 of the NextGen curriculum is intended to provide a learning experience for the student that prepares them to serve as competent interns and effective members of an interdisciplinary team.

Credits	**4**
Typically Offered Terms	**Fall Spring**

MDR 979

Students will integrate physiology and pathophysiology of pulmonary processes into their clinical encounters both inpatient and outpatient. Students will see patients in the mornings and present them to the attending during rounds. They will have opportunities to observe procedures such as bronchoscopies and thoracenteses, and participate in hands-on workshops involving pulmonary functional tests, sleep studies and mechanical ventilator simulations.

Credits	**4**
Typically Offered Terms	**Fall Spring**

Medicine-Pediatrics

MDR 1013

Combined Internal Medicine and Pediatrics is a unique specialty that trains physicians in the care of patients of all ages. The elective aims to give students interested in our specialty exposure to Med/Peds in an urban primary care practice setting. Students will see routine care of newborns, infants, children, adolescents and adults, as well as care of patients with complex pediatric diseases as they transition into adulthood. Students interested in Med/Peds as a career are preferred between June and January and other students will be scheduled thereafter.

Credits	**2**
Typically Offered Terms	**Fall Spring**

Neurological Surgery

MDR 808

The neurosurgery service covers virtually the entire gamut of modern neurosurgical practice. The clinical service is divided into teams that focus primarily on specific subspecialty areas. The JMH spine team cares for patients with tumors, trauma, degenerative disease, and other disorders. The JMH general cranial team deals with cerebrovascular disease, tumors, epilepsy, movement disorders, and other pathology. A separate team cares for patients with head injuries. The pediatric division cares for patients at both Jackson Memorial Hospital and Nicklaus Children's Hospital. A separate team cares for a busy neurosurgical service at UHealth Tower that includes both cranial and spinal patients. The JMH Neuroscience Intensive Care Unit is one of the largest such facilities in the world and is an important center of the department's clinical activities.

Credits	**4**
Typically Offered Terms	**Fall Spring**

MDR 924

This 2 week elective is intended to give the third year or fourth year medical student an initial acquaintance to neurosurgery including the pathophysiology, evaluation, and management of the spectrum of disorders that confront the modern neurosurgeon. The UM neurosurgery service covers virtually the entire gamut of neurosurgical practice. The clinical service is divided into teams that focus primarily on specific subspecialty areas. The spine team cares for patients with tumors, trauma, degenerative disease, and other disorders. The general cranial team deals with cerebrovascular disease, tumors, epilepsy, movement disorders, and other pathology. A separate team cares for patients with head injuries. The pediatric division cares for patients at both Jackson Memorial Hospital and Miami Children's Hospital. A separate team cares for a busy neurosurgical service at UHealth Tower that includes both cranial and spinal patients.

Credits	**2**
Typically Offered Terms	**Fall Spring**

Neurology

MDR 828

Medical students who have completed the MMM Integrated Clerkship may perform a sub-specialty rotation at an array of sub-specialties neurology outpatient clinics. Outpatient rotations include Epilepsy, General Neurology, Neuromuscular, Stroke, Pediatric Neurology, Cognitive Disorders, Neuro-immunology, Movement Disorders, Neuro-Oncology, Sleep disorder, Sports/neurology medicine and Headache. Experience in EMG and Neurophysiology/EEG can be arranged based on director approval and availability.

Credits	**2**
Typically Offered Terms	**Fall Spring**

MDR 849

Students in their third or fourth year who have successfully completed the neurology clinical clerkship have the option to undertake an elective rotation on the General Neurology inpatient service at Jackson Memorial Hospital, (JMH) University Medical Hospital (UMH), or the Veterans Administration Medical Center.

Credits	**4**
Typically Offered Terms	**Fall Spring**

MDR 850

Third- or fourth-year students who have completed the Neurology Clerkship may perform an elective rotation on the General Neurology service at Jackson Memorial Hospital, University Medical Hospital, or the Veterans Administration Medical Center with an array of outpatient and inpatient experiences. Outpatient rotations include Epilepsy, General Neurology, Neuro-ICU, Neuromuscular, Stroke, Pediatric Neurology, Cognitive Disorders, Neuro-immunology, Interventional Neuroendovascular, Movement Disorders, Neuro- Oncology, Sleep and Headache. Experience in EMG and Neurophysiology/EEG can be arranged based on director's approval and availability.

Credits	**4**
Typically Offered Terms	**Fall Spring**

MDR 851

The Neurology Sub-I on the inpatient neurology stroke service will provide 4th year medical students with the opportunity to serve as competent interns and effective members of an interdisciplinary team. Students will be able to learn and practice clinical skills and enhance their knowledge of clinical neurology and neuroanatomy with a focus on vascular neurology, as well as vascular and general neurology diagnostics and therapeutics. The course will consolidate and expand upon knowledge, attitudes and skills learned in the Neurology clerkship and pertinent electives.

Credits	**4**
Typically Offered Terms	**Fall Spring**

MDR 882

This Selective shall aim to introduce NextGenMD students to key and specialty areas of clinical neurology while ensuring that the students have a strong foundation in basic cellular, molecular and systems neuroscience needed for deeper understanding of the clinical field. Thus, there will be active review and learning of fundamental neuroscience linked to clinical experiences in the following areas: general neurology, epilepsy, stroke, neurocritical care, movement disorders, neuromuscular, dementia, neuro-oncology, neuro-pediatrics, genetics, interventional endovascular and sleep disorders. The clinical experience will complement the basic neurosciences throughout the Selective. It is envisioned that many Neuroscience pathway students, in addition to those from other pathways, might choose to take this Selective.

Credits	**4**
Typically Offered Terms	**Fall Spring**

MDR 985

The Critical Care Selective is mandatory for Phase 3 students who have successfully completed their clerkships. The purpose of this selective is to provide the student a robust and educational introduction to critical care concepts; aligned with their career of choice. This selective is designed to allow students to recognize the early signs of a critically ill patient who would benefit from specialized care and learn the necessary interventions to stabilize a patient during the initial critical phase of their illness. Advanced physiological concepts will be introduced in a critical care setting, building upon concepts taught in Phase 1. Additionally, the neuroscience intensive care unit will introduce students to evaluation of the comatose patient , management of seizures, and intracranial hypertension.

Credits	**2**
Typically Offered Terms	**Fall Spring**

Obstetrics & Gynecology

MDR 800

This rotation is an intensive experience with the faculty of the Division of Ultrasound in the Department of Obstetrics and Gynecology. It is geared for students interested in the fields of Obstetrics and Gynecology. The emphasis of the rotation is on the use of ultrasound as a diagnostic and therapeutic tool in women's health. The student will observe and participate in diagnostic ultrasound for gynecologic problems, routine and complicated obstetrics, and ultrasound guided procedures for gynecologic and obstetrical indications. This will be complemented by time in the operating room for general gynecologic surgery and on labor and delivery. Students are expected to display an elevated level of intellectual curiosity and perform as a self-motivated learner. For students interested in Obstetrics and Gynecology or Radiology, there may be opportunities to become involved with research with the attending physicians.

Credits	**2**
Prerequisites	**Completion of Core Clerkships**
Typically Offered Terms	**Fall Spring**

MDR 801

The pediatric and adolescent gynecology elective provides experience in the evaluation and management of young patients presenting for gynecologic care. Students will gain experience in taking a detailed gyn and psychosocial history in pediatric adolescent patients, evaluating and managing menstrual and endocrine disorders, chronic pelvic pain, and differences of sexual differentiation. Provision of contraception for adolescents and transgender care will be covered. A trauma informed approach to care will be emphasized. Students will participate in surgical treatment of endometriosis and ovarian cysts among pediatric and adolescent patients.

Credits	**2**
Typically Offered Terms	**Fall Spring**

MDR 810

The objective is for the student to gain experience in the diagnostic and therapeutic approaches for various gynecologic cancers through participating in direct patient care and Resident/Fellow didactic activities. Students will enhance interpersonal skills and professional conduct in the female patient encounter setting. After completing the rotation, students should feel comfortable with both pre- and postoperative management of women having complex gynecologic procedures and understand the postoperative and medical management of women with gynecologic malignancies.

Credits	**4**
Typically Offered Terms	**Fall Spring**

MDR 818

The objective is for the student to get exposure to common antepartum complications in the inpatient and outpatient setting involving the mother and/or the fetus and gain experience/knowledge in the diagnostic and therapeutic approaches for various obstetrical scenarios through participating in direct patient care. Students will enhance interpersonal skills and professional conduct in the pregnant person/patient encounter setting. After completing the rotation, students should be able to evaluate and work up common obstetrical complications that happen to antepartum, intrapartum, or postpartum and have insights into the management of complicated obstetrical patients. Consider opportunities for pre- or inter-conception counseling.

Credits	**4**
Typically Offered Terms	**Fall Spring**

MDR 819

This is a 2-week night shift elective intended to further increase the Phase 3 students' exposure to a spectrum of experiences in Obstetric Anesthesiology. The student is permitted to schedule this course after successfully completing the Advanced Anesthesiology ACE (which includes a week of obstetric anesthesiology day shifts). This rotation will include topics related to the field including the principles and the practice of obstetric anesthesia, maternal/fetal physiology, and pharmacology. Each week, the student will work with faculty, fellows, and residents delivering anesthetic care to obstetric patients in the Labor and Delivery unit and obstetric operating rooms. The course will provide the student with exposure to, and experience performing, the preoperative assessment of obstetric patients and gain a basic understanding of neuraxial labor analgesia techniques. Motivated students may be allowed the opportunity to help perform neuraxial procedures under direct supervision.

Credits	**2**
Prerequisites	**MDR 809 ACE: Advanced Anesthesiology**
Typically Offered Terms	**Fall Spring**

MDR 831

The sub-internship (Sub-I), a 4-week experience, offered during Phase 3 of the NextGen curriculum, is intended to provide a learning experience for the student that prepares them to serve as competent interns and effective members of an interdisciplinary team. The primary objective of this rotation is to emphasize mastery of clinical core obstetric and gynecologic competencies, to develop skills in inpatient management of obstetric and gynecologic patients, including laboring and surgical patients, as well as outpatient management in prenatal care and gynecologic care. Additionally, the goal of this sub-internship is to prepare fourth year medical students for intern year and is modeled after the role of the OB/GYN intern on the respective team. This rotation will promote the expansion of the clinical knowledge base and emphasize the practice of evidence-based obstetrics and gynecology.

Credits	**4**
Typically Offered Terms	**Fall Spring**

MDR 858

The objectives are for the student to improve knowledge and skills in managing both routine/complex contraceptive cases, learn about reproductive options including surgical/medical abortion and the surgical/medical management of miscarriage. The student should become proficient in counseling patients on contraceptive and abortion methods. During the two-week selective course, students will learn to incorporate preventative medicine, public health, and other issues in reproductive health into their daily clinical practice

Credits	**2**
Typically Offered Terms	**Fall Spring**

MDR 952

This rotation will provide you with the unique opportunity to learn about the subspecialty of reproductive endocrinology and infertility. During this rotation student will learn the basics of menstrual cycle, hormonal regulation and different causes of infertility. Students will be exposed to a wide variety of endocrinological disorders such as amenorrhea, polycystic ovarian syndromes, thyroid dysfunction, and hyperprolactinemia. Opportunity will be given to attend and observe the different techniques of advanced reproductive technology, including in vitro fertilization, intracytoplasmic sperm injection, intrauterine insemination. You will also be able to scrub-in and observe a wide variety of endoscopic surgeries.

Credits	**2**
Typically Offered Terms	**Fall Spring**

MDR 975

This is a 2-week elective intended to expose the Phase 3 student to a spectrum of experiences in Obstetrics. Each week, the student will rotate through Labor and Delivery and gain experience in the care of pregnant patients, including vaginal delivery, cesarean delivery, triaging gravid patients, and obstetrical emergencies.

Credits	**2**
Typically Offered Terms	**Fall Spring**

MDR 1031

This rotation is an intensive experience with the faculty dedicated to Minimally Invasive Gynecologic Surgery (MIGS) in the Department of Obstetrics and Gynecology. It is geared for students interested in Obstetrics, Gynecology and/or General Surgery. The emphasis of the rotation is surgical and will provide the senior medical student with exposure to laparoscopic and robotic procedures in benign gynecology. The student will observe, and depending on their competence and interest, participate in robotic and laparoscopic procedures. This will be complemented by time in the outpatient clinics. Students are expected to display an elevated level of intellectual curiosity and perform as a self-motivated learner. The student is required to participate in simulation-based learning. This will let the student acquire and develop basic laparoscopic and robotic skills. For students with an interest in Obstetrics and Gynecology there will be opportunities to become involved with research with the attending physicians.

Credits	**2**
Typically Offered Terms	**Fall Spring**

Ophthalmology

MDR 802

The primary goal of this elective is to provide medical students with a basic understanding of fundamental ophthalmology. Aspects of Ophthalmology that are pertinent to the practice of Internal Medicine, Neurology, Family Practice, and other primary care specialties will also be taught. Emphasis is placed on the ocular exam and findings related to common eye pathology such as conjunctivitis, cataracts, glaucoma, macular degeneration, retinal vascular occlusion, and diabetic retinopathy. Some exposure to more unusual cases in ophthalmology as a subspecialty will be obtained in clinics. Didactic sessions and patient care in clinics with attending faculty, and coordinated self-teaching make up the majority of the elective. Students will also have the ability to go to the OR to observe ophthalmic surgery. Opportunity to assist faculty in writeup of case reports will also be available for the students considering ophthalmology as a career goal.

Credits	**2**
Typically Offered Terms	**Fall Spring**

MDR 860

This Ophthalmology clerkship is a four-week Advanced Clinical Elective in ophthalmology geared toward medical students with a particular interest in obtaining an in depth understanding of fundamental ophthalmology (open to any student regardless of specialty interest, but particularly for students interested in pursuing residency in ophthalmology). Aspects of ophthalmology that are pertinent to the practice of internal medicine, neurology, pediatrics, family practice and other primary care specialties will also be taught. Students will rotate through the emergency room, operating room, and various subspecialty clinics at the Bascom Palmer Eye Institute where they will shadow attendings and house staff. A comprehensive didactic course will be conducted concurrently during the first, two-week block which includes a final interactive case-based presentations. A final examination will be administered. Students are also welcome to attend weekly grand rounds and imaging conferences as well as daily resident lectures during the rotation. The second, two-week portion is strictly clinical shadowing.

Credits	**4**
Typically Offered Terms	**Fall Spring**

MDR 861

This course will provide medical students the opportunity to shadow residents and attendings in the clinic and emergency room setting and thereby become familiar with instrumentation utilized in standard eye examinations. It will also provide medical students with the opportunity to watch ophthalmic surgery (cataract surgery, glaucoma surgery, retinal surgery) to provide initial exposure to microsurgical techniques.

Credits	**2**
Typically Offered Terms	**Fall Spring**

MDR 898

The primary goal of this elective is to familiarize the student with general concepts of Ophthalmology, and how to conduct a basic eye examination. Aspects of Ophthalmology that are pertinent to the practice of Internal Medicine, Neurology, Family Practice, and other primary care specialties will also be taught. Emphasis is placed on the ocular exam and findings related to common eye pathology such as cataracts, glaucoma, macular degeneration, diabetic retinopathy, and conjunctivitis. Some exposure to more unusual cases to ophthalmology as a subspecialty will be obtained in clinics. Didactic sessions with attending faculty, patient care with fellows in the clinics and coordinated self-teaching make up most of the elective. Students will also have the ability to go to the OR to observe ophthalmic surgery. Opportunity to assist faculty in write-up of case reports will also be available for the students considering ophthalmology as a career goal.

Credits	**2**
Typically Offered Terms	**Fall Spring**

MDR 970

The two-week clinical elective in ophthalmology is geared toward fourth year medical students NOT pursuing a career in ophthalmology with an interest in obtaining a basic understanding of fundamental ophthalmology for students. Students will rotate through the emergency room, operating room, and various subspecialty clinics at the Bascom Palmer Eye Institute where they will shadow attendings and house staff. Students will be required to keep a patient log and will be expected to complete an online course. Students will also be required to submit a case presentation power point based on a patient case seen during the course by the end of the rotation. Students are also welcome to attend weekly grand rounds and imaging conferences as well as daily resident lectures during the rotation. Students will also be required to submit a PowerPoint slide presentation of one (1) patient case that they have observed and/or participated in the care of during the rotation by the last day. This should follow the format of a typical “Grand Rounds” case presentation (PowerPoint template will be sent to students by the course coordinator prior to the start of the rotation). The students will only be required to submit the slides; they will not be presenting it.

Credits	**2**
Typically Offered Terms	**Fall Spring**

MDR 971

Students will review cases received in the lab, participate in daily teaching sessions and sign out at the multi-headed microscope and participate in the complete work-up of these pathologic specimens. The observer will learn how ocular structure and function are affected by the major ocular diseases through the study of current and teaching slide sets of pathologic specimens. The students will learn how to examine ocular specimens using a microscope and learn the value of ancillary techniques to include immunohistochemistry and molecular studies. It is expected that they will have a functional vocabulary of ophthalmic terms, a working knowledge of ocular anatomy, and a rational approach to eye disease at the completion of this course. Clinical-pathologic correlation and therapy will be emphasized.

Credits	**2**
Typically Offered Terms	**Fall Spring**

MDR 972

The two-week clinical elective in ophthalmology is geared toward 4th year/Phase 3 medical students with an interest in pursuing a career in ophthalmology to further their knowledge of the assessment and management of patients presenting acutely for eye care. Students will rotate through the emergency department at Bascom Palmer Eye Institute where they will shadow attendings and house staff. During the rotation, students are also welcome to attend weekly grand rounds and fluorescein conferences as well as daily resident lectures.

Credits	**2**
Typically Offered Terms	**Fall Spring**

Orthopedics

MDR 845

The student will participate in the comprehensive management of musculoskeletal conditions and traumatic injuries in the pediatric population. Clinical responsibilities will include obtaining an age-appropriate, condition-specific history; performing a focused pediatric orthopedic physical examination; and contributing to the management of trauma and deformities through both conservative and surgical approaches. In the operating room, the student will assist in surgical procedures relevant to pediatric orthopedics, including fracture fixation, guided growth procedures, deformity correction, and spine surgery when applicable. The student will also gain hands-on experience in setting up traction, performing closed reductions, and applying casts or orthoses, with particular attention to pediatric-specific considerations such as growth plate preservation, anesthesia safety, and postoperative care. Outside the operating room, the student will participate in outpatient clinics and the emergency room, developing skills in patient interviews, physical examinations, diagnostic evaluation, and management of common pediatric orthopedic conditions, including both traumatic injuries and neuromuscular pathologies.

Credits	**2**

MDR 862

The student will participate in the management of traumatic injuries of the musculoskeletal system, excluding hand, and spine. The participation will be directed to acquiring an adequate history and physical examination and management of trauma through conservative and surgical approaches. The student will be asked to assist in the operating room to learn surgical skills, how to set up traction and to do closed reductions with cast applications.

Credits	**2**
Typically Offered Terms	**Fall Spring**

MDR 865

This is a two-week elective rotation intended to expose the senior medical student to spectrum of experiences in Joint Replacement and Orthopedic surgery. Each week, the student will rotate through a different hospital/clinic setting and see patients/procedures based on the emphasis at that location.

Credits	**2**
Typically Offered Terms	**Fall Spring**

MDR 866

The student will be provided with the opportunity to become familiar with acute injuries, chronic conditions and congenital deformities of the hand. They will learn to take a history and do a physical examination of the hand, as well as assist in the conservative and surgical management of hand problems. The student will be expected to attend rounds, clinics, surgery and conferences, both hand and general orthopedic conferences. All Students will be required to take 2 nights of Ortho E.R. call with the PGY2 orthopedic residents over the 2 week rotation.

Credits	**2**
Typically Offered Terms	**Fall Spring**

MDR 867

Students on the orthopedic oncology service are expected to become familiar with the differential diagnoses of bone and soft tissue tumors and the principles of staging for orthopedic neoplasms. The student will evaluate patients in the outpatient and inpatient setting and be responsible for the management of these patients pre- and post-operatively with close resident, fellow and attending supervision. The student will develop history and physical examination skills, as they pertain to oncologic patients, as well as actively participate in their non-operative and operative management. The student will participate in the regular educational conferences including a bi-weekly didactic orthopedic oncology small group conference, a weekly multidisciplinary oncology conference, and a weekly pre-operative planning conference. In the second week, the student is encouraged to lead a brief, 30-minute educational presentation from a list of provided orthopedic oncology topics. There are a number of potential research projects, which are available to interested investigators through this division - both clinical and laboratory.

Credits	**2**
Typically Offered Terms	**Fall Spring**

MDR 870

This rotation provides exposure to traumatic and degenerative affections of the spine. Students will participate in all rounds, clinics, and conferences.

Credits	**2**
Typically Offered Terms	**Fall Spring**

MDR 999

The student will participate in the management of traumatic injuries of the musculoskeletal system, excluding hand, and spine. The participation will be directed to acquiring an adequate history and physical examination and management of trauma through conservative and surgical approaches. The student will be asked to assist in the operating room to learn surgical skills, how to set up traction and to do closed reductions with cast applications.

Credits	**4**
Typically Offered Terms	**Fall Spring**

Otolaryngology

MDR 871

Otology is the surgical sub-specialty of hearing, balance, skull base and cochlear implant surgery, and facial nerve dysfunction.

Credits	**4**
Typically Offered Terms	**Fall Spring**

MDR 873

This rotation gives an overview of the scope of activities covered by Otolaryngology. Students are expected to get exposed to both clinical and surgical aspects of Otolaryngology and explore the variety of different subspecialties within this field. Students are encouraged to start if possible, with this course before taking MDR875.

Credits	**2**
Typically Offered Terms	**Fall Spring**

MDR 875

The sub-internship (Sub-I), a 4-week experience, offered during Phase 3 of the NextGen curriculum is intended to provide a learning experience for the student that prepares them to serve as competent interns and effective members of an interdisciplinary team. Students will be exposed to the breadth of the field, including Head and Neck Surgery, Otology/Neurotology, Rhinology, Laryngology, Pediatric Otolaryngology, Facial Plastic Reconstructive Surgery, and Sleep Apnea Surgery. Students will learn to recognize, diagnose, and treat a wide variety of conditions within Otolaryngology, with special focus on preparation for Otolaryngology residency.

Credits	**4**
Typically Offered Terms	**Fall Spring**

Pathology

MDR 879

This elective is geared towards students who wish to explore Pathology as a career option or who seek to better understand and utilize laboratory medicine pathology services in their clinical practice. Students attend all Pathology Teaching Conferences and clinical pathology rounds.

Credits	**4**
Typically Offered Terms	**Fall Spring**

Pediatrics

MDR 841

The Critical care selective is mandatory for Phase 3 students who have successfully completed their clerkships. The purpose of this selective is to provide the student a robust and educational introduction to critical care concepts; aligned with their career of choice. This selective is designed to allow students to recognize the early signs of a critically ill patient who would benefit from specialized care and learn the necessary interventions to stabilize a patient during the initial critical phase of their illness. Advanced physiological concepts will be introduced in a critical care setting, building upon concepts taught in Phase 1.
The primary objective of this rotation is to promote the development and mastery of clinical critical care pediatric competencies. The environment of the PICU affords the student a broad exposure to clinically relevant physiological and pathophysiological principles and multisystem disease. The practice of evidence-based medicine is promoted by encouraging students to conduct literature searches, with an emphasis on the basic principles of recognition and management of respiratory failure and shock in the pediatric population-infancy to 22 years.

Credits	**2**
Typically Offered Terms	**Fall Spring**

MDR 880

The goals of this elective clinical rotation are to broaden the student’s general knowledge of Adolescent Medicine, with emphasis on learning diagnosis and treatments of unique physical, developmental, and psychosocial problems of patients ages 10 – 25 years. The student will participate in the multidisciplinary team approach to adolescent health care, gain experience in communicating and interacting with a wide variety of inpatient and outpatient adolescents, and attend all aspects of the Adolescent Medicine teaching program.

Credits	**2**
Typically Offered Terms	**Fall Spring**

MDR 881

The Child Protection Team elective is designed to familiarize the students to all aspects of child abuse. The students will learn to assess and document physical abuse and neglect, attend court hearings and participate in case staffing. This elective is geared to meet the needs of all medical students (independent of their career goals) and introduce them to the community resources available for children and their families.

Credits	**2**
Typically Offered Terms	**Fall Spring**

MDR 883

The student will be part of the team headed by an attending and will follow and manage one or two patients together with one of the residents on the team. Teaching rounds will be conducted 5 times a week, work rounds 7 days a week.
During the first 2 weeks of the rotation, the student will refresh and refine his/her physical examination skills. He/she will become familiar with the nutritional needs of neonates and infants and with how these needs can be met by feedings and parental alimentation. How to prevent and correct imbalances in body water and electrolytes will be stressed. Problems with anemia, hyperbilirubinemia, infection (congenital or acquired after birth), hypoglycemia and hypocalcemia and their management will be explained.
During the second two weeks of the rotation, the focus of training will change to infants with respiratory and cardiovascular failure. The student will become familiar with the different causes of respiratory failure, how to judge the severity of respiratory failure by interpreting arterial blood gases and acid base status, and how to support the infants with supplement O2 or mechanical ventilation. Furthermore, the students will be exposed to signs and symptoms of cardiovascular failure, impaired regulation of breathing, and the consequences of hypoxic ischemic brain injury.

Credits	**4**
Typically Offered Terms	**Fall Spring**

MDR 885

The student is exposed to the physiology, clinical and laboratory diagnosis, and management of the infant and child with congenital and acquired heart disease. Physical examination skills are emphasized during participation in the out-patient clinics at Jackson Memorial Hospital. Cardiology ward rounds are conducted daily providing the opportunity to follow hospitalized patients from clinical diagnosis to cardiac catheterization to cardiac surgery. Interpretation of pediatric electrocardiograms and echocardiograms are included the individual patient's evaluation. Fundamentals of cardiac electrophysiology and pulmonary physiology, as it relates to heart disease, will be discussed in scheduled tutored session.

Credits	**2**
Typically Offered Terms	**Fall Spring**

MDR 887

The student will be the primary physician for pediatric patients presenting with acute problems in the emergency facility of Jackson Memorial Hospital. The student will evaluate and treat patients with an extensive variety of acute illnesses under supervision of pediatric faculty and house staff.

Credits	**2**
Typically Offered Terms	**Fall Spring**

MDR 889

The student will be able to participate in the care for inpatients and outpatients; to participate in daily rounds on inpatients as well as consults with the attending physician, fellow and pediatric resident team. Opportunities to conduct patient interviews and examinations as well as to observe/participate in GI procedures will be an integral part of the elective. The student will review indications/risks for particular procedures and surgeries as they relate to pediatric gastroenterology. Students will also participate in weekly outpatient clinics. Students will also learn care of gastrostomy tubes. The 4 week rotation will consist of 2 weeks inpatient and 2 weeks outpatient.

Credits	**4**
Typically Offered Terms	**Fall Spring**

MDR 891

The 2-week rotation in Pediatric Immunology and Infectious Disease is designed to give the student a broad experience in the immunological and infectious disease problems of children. The student will participate in both the inpatient and outpatient care of children with such problems by rounding daily with the attending fellow and the clinical pediatric infectious disease faculty. The student will also have the opportunity to assist in the care of children with HIV-1 infection as well as other immunodeficiency diseases.

Credits	**2**
Typically Offered Terms	**Fall Spring**

MDR 894

This course will emphasize the clinical approach to health maintenance and diseased states of the renal and urologic systems. We aim to provide a review of renal pathophysiology through representative outpatient and consultative clinical encounters, as well as educational conferences. By the end of the course, you should have an understanding of the abnormal findings, diagnostic evaluation and therapeutic approach for a given disease process. In addition, we hope that you will develop an appreciation for the scientific evidence behind current clinical practice in pediatric nephrology.

Credits	**4**
Typically Offered Terms	**Fall Spring**

MDR 895

The objective of this rotation is to provide the students with the clinical exposure to acute and chronic, acquired and congenital, respiratory diseases from infancy to adolescence in both in-patient and out-patient venues. These conditions include but are not limited to asthma, chronic cough, chronic lung disease of infancy, cystic fibrosis, congenital lung abnormalities, recurrent and complicated pneumonia. The student will participate in the in-patient rounds or activities, ambulatory clinics and didactic conferences.

Credits	**4**
Typically Offered Terms	**Fall Spring**

MDR 897

The sub-internship (Sub-I), a 4-week experience, offered during Phase 3 of the NextGen curriculum, will provide a learning experience for the student that prepares them to serve as competent interns and effective members of an interdisciplinary team. Students will be assigned to one of two general inpatient pediatric ward teams (Red or Purple). The senior student will be placed in the regular PGY1 rotation functioning as part of the ward team and directly supervised by the pediatric residents and attending physicians.

Credits	**4**
Typically Offered Terms	**Fall Spring**

MDR 973

The pediatric allergy and immunology elective is designed to give senior medical students exposure to the spectrum of diseases seen in the field of Allergy and Immunology. The student will predominantly rotate through the outpatient clinic and inpatient consults, and see patients and procedures based on the emphasis of that location.

Credits	**2**
Typically Offered Terms	**Fall Spring**

MDR 1018

This is an out patient rotation on the University of Miami Pediatric Mobile Clinic (PMC). The PMC is a clinic on wheels that delivers comprehensive pediatric primary care primarily to uninsured children from birth to 21 years of age throughout Miami Dade County free of charge. The PMC provides care for some of the neediest children in communities including Little Havana, Hialeah, Homestead, Florida City, Little Haiti/North Miami, Doral, Kendall. Patients encountered reflect the diverse population of Miami-Dade County. Many are new immigrants and non-English speaking patients accessing medical care for the first time.

Clinic activities include childcare and follow-up for chronic conditions. Students will work independently
and responsibilities will include taking histories, conducting physical exams and discussing assessment and plans of care with the entire unit team including resident and attending physicians, nurse practitioners, social
worker/mental health counselor, and psychologist. Students also have the opportunity to do basic procedures such as throat swab, urinalysis, phlebotomy and administration of immunizations and provide counseling and education to patients and families. The students will have an opportunity to participate in telehealth clinics on the unit as well as special projects that are taking place. In addition, students will learn about the public health issues related to caring for uninsured, underserved populations and the social determinants that play a role in health and accessing healthcare. They will also learn about community resources available to underserved populations.

Credits	**2**
Typically Offered Terms	**Fall Spring**

MDR 1032

This is a 2 week elective intended to expose the senior medical student to a spectrum of life-threatening and complex medical illnesses in pediatrics. The student will work directly with a faculty physician and the Palliative Care Nurse Coordinator and interface with a broad spectrum of pediatric sub-specialties.

Credits	**2**
Typically Offered Terms	**Fall Spring**

MDR 1035

This is a 4-week elective to expose the medical student to a variety of clinical and didactic experiences in maternal and child health, with a focus on developmental and behavioral pediatrics. The student will join pediatric residents and other interdisciplinary trainees in the Leadership Education in Neurodevelopmental Disabilities (LEND) curriculum at the Mailman Center for Child Development, rotate through different clinic/community settings in child and maternal health, and participate in didactic sessions specifically designed to enhance skills in research, advocacy, and leadership in maternal/child health.

Credits	**4**
Typically Offered Terms	**Fall Spring**

Physical Medicine & Rehabilitation

MDR 844

This elective provides a variety of settings to experience and learn about the field of physical medicine and rehabilitation.

Credits	**2**
Typically Offered Terms	**Fall Spring**

MDR 848

This elective is intended for medical students who have completed the neurology core clerkship rotation.
During the elective, the medical student will spend time on the Lynn Rehabilitation Center (LRC) Neuro rehab service, shadowing the Rehab attending on daily rounds. Students will also have the opportunity to become familiar with Botulinum toxin injections and participate of Brain Injury Medicine Clinic on the 2nd and 4th Thursday of the month. There is an opportunity to get involved in clinical research activities that are ongoing in the division.

Credits	**2**
Typically Offered Terms	**Fall Spring**

MDR 900

The sub-internship (Sub-I), a 4-week experience, offered during Phase 3 of the NextGen curriculum is intended to provide a learning experience for the student that prepares them to serve as competent interns and effective members of an interdisciplinary team.

The student will participate as an intern on the service. This will include performing Histories and Physicals and Writing admission orders to the service. These documents will be reviewed and supervised by the attendings and residents. In addition, the student will follow these patients through their rehabilitation stay and participate in the weekly interprofessional team conference (with nursing, physical therapy, occupational therapy, social work/case management, speech therapy and psychology). The student will be responsible for day-to-day care of their patients and documentation daily in the electronic Medical Record. Notes will be reviewed by the resident/attending daily. Orders will be written in accordance with the current UM student at JMH policies (it is expected that the student will have Cerner access and be familiar with it before starting). The students will participate in overnight call two weekdays during the rotation and one weekend day coverage, staying overnight with the rest of the team.

The types of patients the student may see will include neuromuscular diseases (e.g., Guillain-Barre, Multiple Sclerosis, amyotrophic lateral sclerosis), general debility (following prolonged hospital care for cardiac, pulmonary or traumatic issues), organ transplants (including liver, kidney, heart and lungs) and cardiovascular diseases (stroke, post CABG, heart failure, LVAD), spinal cord injuries, traumatic brain injuries, orthopedic issues (joint replacements, fractures, polytrauma).

Credits	**4**
Typically Offered Terms	**Fall Spring**

Psychiatry

MDR 843

The Psych-Oncology Service at the Sylvester Comprehensive Cancer Center provides comprehensive psychiatric evaluation and treatment for individuals with cancer across all phases of illness, including initial diagnosis, active treatment, recurrence, survivorship, advanced disease, and end-of-life care. Services are delivered in both ambulatory oncology clinics and inpatient settings, including the acute oncology units and the bone marrow transplant unit at Sylvester.
This elective offers medical students the opportunity to participate in the inpatient Consultation-Liaison service in Psycho-Oncology at the University of Miami Hospital. Students will gain direct experience in the psychiatric care of patients with cancer, while working closely with a multidisciplinary team that includes psychiatrists, psychologists, oncologists, licensed clinical social workers, and palliative care physicians. The rotation emphasizes the integration of psychiatric principles into oncological care, providing students with exposure to complex clinical scenarios that highlight the psychological, social, and medical dimensions of cancer care.

Credits	**2**

MDR 872

The Department of Psychiatry offers an elective in Geriatric Psychiatry. The elective can be tailored to the student's special needs. Clinical experiences focus on diseases that are more prevalent in the geriatric population such as psychoses in the elderly, mood disorders in the elderly, delirium and cognitive disorders.

Credits	**2**
Typically Offered Terms	**Fall Spring**

MDR 874

This elective allows students to diagnose and manage a variety of psychiatric disorders. This includes patients with mood disorders, psychotic disorders and other conditions that require psychiatric hospitalization. Under the supervision of attending physicians, students will manage patients with a variety of therapeutic techniques available for their treatment.

Credits	**2**
Typically Offered Terms	**Fall Spring**

MDR 901

Various clinical services are utilized for undergraduate and post-graduate training in Child & Adolescent Psychiatry: The Children's Inpatient Unit and the Child & Adolescent Outpatient Clinic. Students may be assigned to one or a combination of these services where they will have a supervised experience.

Credits	**2**
Typically Offered Terms	**Fall Spring**

MDR 902

The JMH CL Psychiatry service is responsible for psychiatric consultations to medical and surgical inpatients, as well as liaison support to various clinical services and units within the general hospital. Under supervision, students will respond to psychiatric consultation requests by assessing patients and offering recommendations to the referring physicians. They will work alongside residents and faculty in liaison activities and will regularly participate in clinical rounds and educational sessions.

Credits	**2**
Typically Offered Terms	**Fall Spring**

MDR 904

This elective allows students to diagnose and manage a variety of psychiatric disorders. While the focus relies on substance use disorders, senior medical students will also be exposed to a wealth of co-occurring psychiatric diagnosis including mood, psychotic, anxiety disorders and other conditions that require psychiatric hospitalization. Under the supervision of attending physicians, students will manage patients with a variety of therapeutic techniques available for their treatment including pharmacotherapy and basic psychotherapy.

Credits	**4**
Typically Offered Terms	**Fall Spring**

MDR 906

This course provides students with the opportunity to be involved in the evaluation, diagnosis and treatment of selected patients presenting to the outpatient clinics at the Jackson Behavioral Health Hospital. Individual supervision will be aimed at exposing the student to the range of psychiatric disorders that can be managed in an outpatient basis such as anxiety disorders, depression, psychosis, ADHD, etc. The students will be exposed to different therapeutic modalities used to treat these problems including psychopharmacologic treatments, and supportive psychotherapy.

Credits	**2**
Typically Offered Terms	**Fall Spring**

MDR 1024

This is a 4-week advanced clinical elective intended to expose the senior medical student to a spectrum of experiences in forensic psychiatry. The student will spend a portion of each week in various hospital and community settings that involve the clinical practice of aspects of forensic psychiatry.

Credits	**4**
Typically Offered Terms	**Fall Spring**

Public Health

MDR 940

The Public Health elective will be offered to senior M.D./MPH medical students if approved by the course director for time spent on a 2- or 4-week public health externship. M.D. students who have completed public health coursework will also be considered. The consideration of elective credit includes the content and quality of the program/ project and its relevance to the dual degree curriculum. In addition, the dates of the program must mesh with the schedule of the UMMSM M.D./MPH medical school curriculum and academic calendar. Each application will be considered on an individual basis with consideration of the student's overall performance and standing in the UMMSM M.D./MPH program.

Credits	**2-4**
Prerequisites	**Students enrolled in the M.D./MPH program or M.D. students who have completed public health coursework. Application to and approval by Dr. Caban 90 days in advance.** **Prior to consideration of elective credit, the student will be required to:** • **Email course director the following at least 90 days prior to the start date of the elective.** • **For established national electives or if a student is creating an independent program for elective credit, students must submit the Public Health Independent Study for Elective Credit Application Form to acaban@med.miami.edu. (See below)** **Subject: APPLICATION: Public Health Independent Study for Elective Credit** **Body: Include the following information** 1. **Student Name:** 2. **Year in M.D.-MPH Program:** 3. **Anticipated Elective Start Date:** 4. **Duration of Elective (circle one): 2-weeks or 4-weeks** 5. **Elective Course Type† (circle one): Established Program or Self-Directed/ Designed** 6. **A self-directed/designed elective indicates an educational instruction and rotation in public health that was created by the medical student in consultation with a public health practitioner. An established program includes all national, state or local public health elective coursework that has formal learning objectives, instruction and established preceptors.** 7. **What is the geographic location of your anticipated Public Health Elective Rotation?** 8. **Who is your anticipated preceptor? Include Name, Educational Credentials, Mailing address, telephone and email for preceptor.** 9. **Provide link to established public health elective Rotation Information (if applicable):** 10. **Describe in three to five sentences what is the public health elective course/ clerkship about:** 11. **Discuss in three to five sentences how this public health elective course will be useful to your overall M.D.-MPH program training and your long-term professional goals as a public health physician.** 12. **List two to five anticipated learning objectives (what you will learn) from your participation in the 2- or 4-week public health elective course.** **NOTE: Completed Applications should be emailed directly to Dr. Alberto Caban-Martinez**

	(ACaban@med.miami.edu) at least 90-days prior to anticipated start of the public health course/clerkship rotation. Final elective course grade will be posted once the elective course evaluation, and the student evaluation forms are submitted.
Typically Offered Terms	**Fall Spring**

MDR 1003

This is a 2-week required rotation for students in the MD/MPH track. This sub-internship will expose them to the professional responsibilities and work flow of a physician trained and practicing public health. During each block, the student will be rotating through various clinics within the health department. They will also have weekly interaction with the Department of Health preventive medicine residents.

Credits	**2**
Typically Offered Terms	**Fall Spring**

Radiation Oncology

MDR 915

The objective of the Radiation Oncology elective is to familiarize the student with the treatment of neoplastic disease in general, and specifically with the role of ionizing radiation in treating cancer and related disorders.

Credits	**4**
Typically Offered Terms	**Fall Spring**

Radiology & Nuclear Medicine

MDR 910

Advanced Radiology consists of a focused immersion and exposure to one or two subspecialty areas in clinical Diagnostic Radiology. The student will participate as a member of the clinical team in Radiology.

Credits	**4**
Prerequisites	**MDR918 - Diagnostic Radiology Elective**
Typically Offered Terms	**Fall Spring**

MDR 911

The Nuclear Medicine elective allows the student to interact with the clinical and research activities of Nuclear Medicine as it relates to diagnostic imaging and therapy with this modality. Students are trained under the direct supervision of our faculty members with guidance from our residents. Learning Techniques include: daily work, teaching file, and conference attendance. Reading sessions start at 8:30 a.m. daily. While patients are injected for studies during the morning, the students observe the technical aspect of this procedure prior to interpreting the studies with residents and attendings. An example of such studies is the myocardial perfusion studies - patients are injected early in the morning, residents and students monitor the stress and rest imaging acquisitions. Students will also observe many other nuclear medicine procedures, such as bone scans, renal scintigraphy, thyroid scintigraphy and PET/CT scans.

Credits	**2**
Typically Offered Terms	**Fall Spring**

MDR 918

Radiology two-week observational elective consists of a rotation in all subspecialties in Diagnostic Radiology. The student will participate as an observer during read out sessions and interventional procedures. This is designed for the student who wants to learn more about each subspecialty in Radiology and or potentially thinking about a career in Radiology. For those who desire to do a Radiology Residency, we recommend taking our Advanced Clinical Experience Elective (4 weeks).

Credits	**2**
Typically Offered Terms	**Fall Spring**

MDR 942

MDR 942 is an Advanced Clinical Experience (ACE) designed as a rigorous "sub-internship" for Phase 3 students. Building upon the foundational clerkship (MDR 969), this course utilizes a "Junior Resident" model to transition learners from observers to active clinical participants. The curriculum focuses on the longitudinal care of the IR patient, emphasizing pre-procedural clinical decision-making, high-fidelity simulation training, and graduated procedural autonomy within the unique environment of the Miami Veterans Affairs (VA) Medical Center.

Credits	**4**
Prerequisites	**MDR 969: Interventional Radiology**
Typically Offered Terms	**Fall Spring**

MDR 969

The course is an introduction to Vascular/Interventional Radiology and consists of intensive exposure to Vascular and Interventional Radiology procedures under the direct supervision of interventional radiologists. Students will learn and participate in (a) the use of various radiological imaging to guide procedures in different organ systems, (b) the evaluation and pre and post procedural management of patients requiring interventional radiology procedures, and (c) participate in and learn various interventional procedures such as arterial and venous access, angiography, angioplasty, stenting, biopsies, various image guided drainages, arterial embolization, tumor ablations and other vascular and interventional procedures.

Credits	**4**
Typically Offered Terms	**Fall Spring**

Surgery

MDR 846

This rotation is a busy service treating the complete spectrum of vascular diseases including aneurysmal disease, cerebrovascular disease, mesenteric vascular disease, renovascular disease, and peripheral vascular disease. Students will get intensive exposure to both open surgeries and endovascular procedures treating a variety of vascular diseases under the direct supervision of vascular surgery attendings and fellows. Students will learn and actively participate in (a) performing a comprehensive vascular history and physical exam, (b) seeing and evaluating vascular consults in the emergency department and throughout the hospital, (c) pre-operative evaluation and case planning alongside residents and attendings, (d) assisting with surgeries including angiography, peripheral bypass, carotid endarterectomy, aortic aneurysm repair, and arteriovenous access.

Credits	**4**

MDR 855

This advanced anatomy selective course is offered to the NextGen Phase 3 Miller School of Medicine students who have a strong interest in deepening their knowledge of surgical anatomy and developing their surgical dissecting skills. Learning will be accomplished through self-directed on-demand lectures (“flipped classroom”), practical demonstrations by Anatomy faculty, proctored dissection of human donors, and real-time, hands-on exposure in the operating rooms. In addition, workshops designed to teach the students the foundational skills of surgical knot tying, instrument handling and suturing techniques. These workshops will be given twice during the rotation, and these skills will be tested at the end of the rotation.

Credits	**4**
Typically Offered Terms	**Fall Spring**

MDR 868

Phase 3 students will have the opportunity to gain in-depth experience in thoracic physiology, pathophysiology, and the surgical treatments for such conditions.

Credits	**4**
Typically Offered Terms	**Fall Spring**

MDR 893

This busy surgical service will allow the medical student the opportunity to care for surgical problems in the pediatric population.

Credits	**4**
Typically Offered Terms	**Fall Spring**

MDR 905

This elective offers the opportunity to learn and practice operative techniques in the Minimally Invasive Surgical Training and Education (MISTE) Center. Students will review assignments from classic texts in surgical technique as well as operative videos prior to performing the same skills in high-fidelity simulation. Emphasis will be placed on open surgical skills and emergency procedures. The goal of this elective is for students to arrive to surgical residency with operative skills, experience, and confidence that exceeds expectations for their level of training.

Credits	**2**
Typically Offered Terms	**Fall Spring**

MDR 912

This advanced anatomy selective course is offered to the NextGen Phase 3 Miller School of Medicine students who have a strong interest in deepening their knowledge of surgical anatomy and developing their surgical dissecting skills. Learning will be accomplished through self-directed on-demand lectures (“flipped classroom”), practical demonstrations by Anatomy faculty, proctored dissection of human donors, and real-time, hands-on exposure in the operating rooms. In addition, workshops that are designed to teach the students the foundational skills of surgical knot tying, instrument handling and suturing techniques. These workshops will be given twice during the rotation and these skills will be tested at the end of the rotation.

Credits	**4**
Typically Offered Terms	**Fall Spring**

MDR 914

This advanced anatomy selective course is offered to the NextGen Phase 3 Miller School of Medicine students who have a strong interest in deepening their knowledge of surgical anatomy and developing their surgical dissecting skills. Learning will be accomplished through self-directed on-demand lectures (“flipped classroom”), practical demonstrations by Anatomy faculty, proctored dissection of human donors, and real-time, hands-on exposure in the operating rooms. In addition, workshops that are designed to teach the students the foundational skills of surgical knot tying, instrument handling and suturing techniques. These workshops will be given twice during the rotation and these skills will be tested at the end of the rotation.

Credits	**4**
Typically Offered Terms	**Fall Spring**

MDR 917

The sub-internship (Sub-I), a 4-week experience, offered during Phase 3 of the NextGen curriculum is intended to provide a learning experience for the student that prepares them to serve as competent interns and effective members of an interdisciplinary team. The burn service offers a complete approach to the care of thermally injured patients. The team cares for patients from the acute resuscitative phase to outpatient follow-up, including reconstruction. As such, clinical encounters include intensive care unit, operating room, medical-surgical floor and clinic. Principles of critical care, infection control, nutritional support, wound care, and rehabilitation are emphasized. There are also opportunities to participate in clinical research.

Credits	**4**
Typically Offered Terms	**Fall Spring**

MDR 926

The Department of Surgery’s Division of Oral and Maxillofacial Surgery offers the student an intense experience in Head and Neck Reconstructive Surgery, Oral and Maxillofacial Pathology, Facial Trauma and Head and Neck Anatomy. The attending and resident staff is committed to providing the student with a valuable educational experience. This is the only exposure the medical student receives regarding the problems related to the oral cavity and to oral and maxillofacial surgery, which may confront him/her at a later date in his/her career. This is an advantageous rotation for those interested in ENT, Plastic Surgery, and Ophthalmology.

Credits	**2**
Typically Offered Terms	**Fall Spring**

MDR 928

This rotation provides comprehensive exposure to all facets of aesthetic plastic and reconstructive surgery at UM affiliated clinical institutions and educational venues.

Credits	**2**
Typically Offered Terms	**Fall Spring**

MDR 929

The Critical care selective is mandatory for Phase 3 students who have successfully completed their clerkships. The purpose of this selective is to provide the student a robust and educational introduction to critical care concepts; aligned with their career of choice. This selective is designed to allow students to recognize the early signs of a critically ill patient who would benefit from specialized care and learn the necessary interventions to stabilize a patient during the initial critical phase of their illness. Advanced physiological concepts will be introduced in a critical care setting, building upon concepts taught in Phase 1. In addition to being introduced to the critical care environment students will be exposed to a wide array of surgical pathologies as well as the management of both pre and post-operative patient. This management will include recognizing and treating post-operative complications in a wide variety of post-operative patients from transplant to emergency general surgery patients. In addition the student will be introduced to and exposed to the advanced life sustaining modalities that exist in the ICU. These devices range from hemodynamic monitoring to dialysis to ECMO.

Credits	**2**
Typically Offered Terms	**Fall Spring**

MDR 930

The student will have responsibilities similar to a junior house officer, under strict supervision of the Transplant Team because of the critical care of these patients. The student will be present at the operation for vascular access surgery, general surgery on transplantation patients and chronic renal failure patients, which would include bilateral native nephrectomies (usually for difficult to control hypertension), kidney, liver, pancreas, and pancreatic islet transplants, and related surgery. In addition, issues related to native organ disease – kidney, pancreas, liver, leading to need for transplantation – will be covered. There will be weekly conferences and seminars in research and clinical problems in kidney, liver, and pancreas transplantation and participation in weekly immunobiology transplant conferences.

Credits	**2**
Typically Offered Terms	**Fall Spring**

MDR 931

The sub-internship (Sub-I), a 4-week experience, offered during Phase 3 of the NextGen curriculum is intended to provide a learning experience for the student that prepares them to serve as competent interns and effective members of an interdisciplinary team. This 4-week rotation will expose the Next Gen phase 3 student to the comprehensive world of trauma that will include exposure to patients in all areas of trauma care. These areas will include the trauma resuscitation bays, the trauma operating rooms, the trauma floors, clinics and ICU. Students will develop an understanding of the complexities of managing both blunt and penetrating trauma across all age groups and all demographics. The Sub-intern will also learn how to develop collaborative skills and strong interpersonal communication skills as well as the development of professionalism in all facets of the rotation. This is an ideal opportunity for the Sub-I to function as an integral member of the trauma team on par with the intern.

Credits	**4**
Typically Offered Terms	**Fall Spring**

MDR 932

The Critical care selective is mandatory for Phase 3 students who have successfully completed their clerkships. The purpose of this selective is to provide the student a robust and educational introduction to critical care concepts; aligned with their career of choice. This selective is designed to allow students to recognize the early signs of a critically ill patient who would benefit from specialized care and learn the necessary interventions to stabilize a patient during the initial critical phase of their illness. Advanced physiological concepts will be introduced in a critical care setting, building upon concepts taught in Phase 1. In addition to being introduced to the critical care environment students will be exposed to a wide array of both surgical and trauma pathologies / injuries. Students will in addition to becoming familiar with the management of post-operative patients will also be introduced to the complexities of managing polytrauma patients. This management can include recognizing and treating post-operative complications in both acute care surgical patients as well as trauma patients. In addition the student will be introduced to and exposed to the advanced life sustaining modalities that exist in the ICU. These devices range from hemodynamic monitoring to dialysis to ECMO as well as many other forms of life sustaining equipment.

Credits	**2**
Typically Offered Terms	**Fall Spring**

MDR 934

This advanced anatomy selective course is offered to the NextGen Phase 3 Miller School of Medicine students who have a strong interest in deepening their knowledge of surgical anatomy and developing their surgical dissecting skills. Learning will be accomplished through self-directed on-demand lectures (“flipped classroom”), practical demonstrations by Anatomy faculty, proctored dissection of human donors, and real-time, hands-on exposure in the operating rooms. In addition, workshops that are designed to teach the students the foundational skills of surgical knot tying, instrument handling and suturing techniques. These workshops will be given twice during the rotation and these skills will be tested at the end of the rotation.

Credits	**4**
Typically Offered Terms	**Fall Spring**

MDR 935

This advanced anatomy selective course is offered to the NextGen Phase 3 Miller School of Medicine students who have a strong interest in deepening their knowledge of surgical anatomy and developing their surgical dissecting skills. Learning will be accomplished through self-directed on-demand lectures (“flipped classroom”), practical demonstrations by Anatomy faculty, proctored dissection of human donors, and real-time, hands-on exposure in the operating rooms. In addition, workshops that are designed to teach the students the foundational skills of surgical knot tying, instrument handling and suturing techniques. These workshops will be given twice during the rotation and these skills will be tested at the end of the rotation.

Credits	**4**
Typically Offered Terms	**Fall Spring**

MDR 936

This anatomy integrated science selective (AISS) course is offered to the NextGen Phase 3 Miller School of Medicine students who have a strong interest in deepening their knowledge of surgical anatomy and developing their surgical dissecting skills. Learning will be accomplished through self- directed on-demand lectures (“flipped classroom”), practical demonstrations by Anatomy faculty, Surgery Faculty and Surgery residents in proctored dissection of human donors, and real-time, hands- on exposure in the operating rooms. In addition, workshops that are designed to teach the students the foundational skills of surgical knot tying, instrument handling and suturing techniques. These workshops will be given twice during the rotation and these skills will be tested at the end of the rotation.

Credits	**4**
Typically Offered Terms	**Fall Spring**

MDR 944

The sub-internship (Sub-I), a 4-week experience, offered during Phase 3 of the NextGen curriculum is intended to provide a learning experience for the student that prepares them to serve as competent interns and effective members of an interdisciplinary team. This 4-week rotation will expose the Next Gen phase 3 student to the comprehensive world of General and Vascular Surgery that will include exposure to patients in all areas of the various hospital services from medical to surgical. Students will develop a comprehensive understanding of the complexities of managing patients that present with a multitude of surgical pathologies. The VA deals with all adult patients 18 years and older and all demographics. The Sub-intern will also learn how to develop collaborative skills and strong interpersonal communication skills as well as the development of professionalism in all facets of the rotation. This is an ideal opportunity for the Sub-I to function as an integral member of the surgical team on par with the intern.

Credits	**4**
Typically Offered Terms	**Fall Spring**

MDR 945

This elective will consist of a 2-week block at the Taylor Breast Health Center. During this time, the student will have the opportunity to participate in the diagnosis and follow-up of patients with the full spectrum of breast diseases, most importantly breast cancer.

Credits	**2**
Typically Offered Terms	**Fall Spring**

MDR 946

The primary objective of this rotation is to promote the development of clinical core plastic, aesthetic, and reconstructive competencies and to review common reconstructive and cosmetic conditions. The practice of evidence-based medicine is promoted by encouraging students to conduct literature search for current guidelines and accepted practices.

Credits	**4**
Typically Offered Terms	**Fall Spring**

MDR 976

The sub-internship (Sub-I), a 4-week experience, offered during Phase 3 of the NextGen curriculum is intended to provide a learning experience for the student that prepares them to serve as competent interns and effective members of an interdisciplinary team. This 4-week rotation will expose the Next Gen phase 3 student to the comprehensive world of Acute Care Surgery (ACS) that will include exposure to patients in all areas of the various hospital services from medical to surgical. Students will develop a comprehensive understanding of the complexities of managing acutely ill patients that present with a multitude of surgical pathologies. ACS deals with all adult patients 18 years and older and all demographics. The Sub-intern will also learn how to develop collaborative skills and strong interpersonal communication skills as well as the development of professionalism in all facets of the rotation. This is an ideal opportunity for the Sub-I to function as an integral member of the trauma team on par with the intern.

Credits	**4**
Typically Offered Terms	**Fall Spring**

MDR 981

This 2-week rotation will expose the Phase 3 student to a wide array of cancer problems and teach an integrated interdisciplinary approach to their management. Esophageal, hepatic, breast, and gastric carcinomas will be seen and treated in addition to melanomas and soft tissue sarcomas.

Credits	**2**
Typically Offered Terms	**Fall Spring**

MDR 982

This elective surgery service predominantly treats and cares for patients with endocrine diseases. Patients predominantly with thyroid, parathyroid and adrenal tumors, both benign and malignant conditions are seen and treated. Advanced laparoscopic skills can also be seen treating a whole spectrum of surgical problems.

Credits	**2**
Typically Offered Terms	**Fall Spring**

MDR 983

This elective service deals primarily with diseases of the colon, rectum, and anus. Benign disease, such as hemorrhoids, anal fistulae, anal fissures, diverticulitis, gastrointestinal bleeding and inflammatory bowel disease among others, will be seen and thoroughly discussed and learned. In addition, the entire spectrum of colon and rectal cancer will be seen and treated.

Credits	**4**
Typically Offered Terms	**Fall Spring**

MDR 984

This 2-week rotation will expose the 4th year student to several unique, yet related, surgical disciplines: laparoscopic surgery, surgical endoscopy, and the surgical management of morbid obesity.

Credits	**2**
Typically Offered Terms	**Fall Spring**

Urology

MDR 938

Credits	**2**
Typically Offered Terms	**Fall Spring**

MDR 956

This elective is designed for those students considering Urology as a career choice, and for those interested in learning more about the University of Miami urology residency program. Students will participate in inpatient and outpatient urology at both the University of Miami and the Jackson Healthcare System. Sub-interns will participate as members of the resident team on both the UM and Jackson rotations, and will accept responsibilities and perform duties commensurate with their ability.

Credits	**4**
Typically Offered Terms	**Fall Spring**