

# JEFFMD (JMD)

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## **JMD 101: Foundations of Medicine I**

The Foundations of Medicine course is an integrated, 21-month course that encompasses both basic and clinical sciences. Students will be introduced to core concepts in blocks organized by organ system. Each week features a case explored through active learning in small groups. The schedule incorporates a variety of learning modalities such as labs, clinical skills sessions, patient sessions, team based learning activities and lectures to complement and enhance student learning. Foundations of Medicine expects from students rigorous independent study and critical thinking to prepare them for the clinical problems they will encounter. The blocks covered in this course are Introduction to the Study of Medicine, Host Defense and Blood, and Cardiology. Taken in Year 1, Fall semester.

**College:** Sidney Kimmel Medical College

**Schedule Type:** Lecture

## **JMD 102: Foundations of Medicine II**

A continuation of JMD 101, the Foundations of Medicine course is an integrated, 21-month course that encompasses both basic and clinical sciences. Students will be introduced to core concepts in blocks organized by organ system. Each week features a case explored through active learning in small groups. The schedule incorporates a variety of learning modalities such as labs, clinical skills sessions, patient sessions, team-based learning activities and lectures to complement and enhance student learning. Foundations of Medicine expects from students rigorous independent study and critical thinking to prepare them for the clinical problems they will encounter. The organ systems covered in this course are Pulmonary, GI/ Liver, and Renal. Taken in Year 1, Spring semester.

**College:** Sidney Kimmel Medical College

**Schedule Type:** Lecture

## **JMD 150: Scholarly Inquiry**

Scholarly Inquiry aims to provide students with a wide range of skills and experiences that they need to become critical consumers and producers of medical knowledge. Students select from eight tracks (Clinical Translational Research, Design, Digital Health, Health Policy, Healthcare Systems, Humanities, Medical Education, and Population Health), receive training in a wide range of research domains and topics, and complete self-directed scholarly projects under the supervision of faculty mentors. Educational modalities include lectures, small-group seminars, workshops, team-based and problem-based learning sessions, and online modules. In their first year, students prepare and present a proposal for an independent scholarly project, and start work on its implementation. Taken Year 1.

**College:** Sidney Kimmel Medical College

**Schedule Type:** Lecture

## **JMD 151: Clinical Experience**

Clinical Experience is a service-learning course which will provide students with an understanding of the broader context of health through interaction with patients, families, clinical staff and community-based service providers. Beginning November of the first year of medical school and extending through Phase 1, students will return to their assigned clinical sites to learn about healthcare delivery and interprofessional teamwork. Students will receive training and tools to act as health navigators. Under the supervision of a community health worker and in collaboration with clinic staff, students will learn to address the underlying social and environmental factors that impact health. The Clinical Experience schedule will alternate between shifts in the clinical site and sessions structured for reflection and ongoing education. Taken Year 1.

**College:** Sidney Kimmel Medical College

**Schedule Type:** Clinical

## **JMD 152: Humanities Selectives**

Strengthen key skills of doctoring through engagement in the arts and humanities. These skills include close observation, listening, emotional awareness and empathy, self-care, comfort with ambiguity and making mistakes, team and interpersonal communication, understanding the perspectives of patients and colleagues, and understanding social contexts of health. The Humanities Selectives are immersive, arts-based experiences and participation-oriented seminars that promote support and bonding between classmates and offer creative respite within medical school. In many cases, these courses are developed by professional artists in collaboration with medical educators and reflect unique syntheses of medicine and the humanities. Students may complete JMD 152 for one or two credits. Students choosing to complete JMD 152 for one credit will be expected to complete JMD 252 for one credit the following year.

**College:** Sidney Kimmel Medical College

**Schedule Type:** Lecture

## **JMD 153: Humanities Selectives**

**College:** Sidney Kimmel Medical College

**Schedule Type:** Lecture

## **JMD 201: Foundations of Medicine III**

A continuation of JMD 102, the Foundations of Medicine course is an integrated, 21-month course that encompasses both basic and clinical sciences. Students will be introduced to core concepts in blocks organized by organ system. Each week features a case explored through active learning in small groups. The schedule incorporates a variety of learning modalities such as labs, clinical skills sessions, patient sessions, team-based learning activities and lectures to complement and enhance student learning. Foundations of Medicine expects from students rigorous independent study and critical thinking to prepare them for the clinical problems they will encounter. The organ systems covered in this course are Urology, Endocrine, and Reproduction as well as Musculoskeletal/ Integumentary. Taken in Year 2, Fall semester.

**College:** Sidney Kimmel Medical College

**Schedule Type:** Lecture

**JMD 202: Foundations of Medicine IV**

A continuation of JMD 201, the Foundations of Medicine course is an integrated, 21-month course that encompasses both basic and clinical sciences. Students will be introduced to core concepts in blocks organized by organ system. Each week features a case explored through active learning in small groups. The schedule incorporates a variety of learning modalities such as labs, clinical skills sessions, patient sessions, team-based learning activities and lectures to complement and enhance student learning. Foundations of Medicine expects from students rigorous independent study and critical thinking to prepare them for the clinical problems they will encounter. The blocks in this course are Neuroscience and Psychiatry, as well as Complex Cases. Taken Year 2, Spring semester.

**College:** Sidney Kimmel Medical College

**Schedule Type:** Lecture

**JMD 250: Scholarly Inquiry**

Scholarly Inquiry aims to provide students with a wide range of skills and experiences that they need to become critical consumers and producers of medical knowledge. Students select from eight tracks (Clinical Translational Research, Design, Digital Health, Health Policy, Healthcare Systems, Humanities, Medical Education, and Population Health), receive training in a wide range of research domains and topics, and complete self-directed scholarly projects under the supervision of faculty mentors. Educational modalities include lectures, small-group seminars, workshops, team-based and problem-based learning sessions, and online modules. In their second year, students complete their scholarly project and present their work (poster, oral presentation, and abstract). Taken Year 2.

**College:** Sidney Kimmel Medical College

**Schedule Type:** Lecture

**JMD 251: Clinical Experience**

Clinical Experience is a service-learning course which will provide students with an understanding of the broader context of health through interaction with patients, families, clinical staff and community-based service providers. Students will return to their assigned clinical sites to continue to learn about healthcare delivery and inter-professional teamwork. Students will receive additional training and tools to act as health navigators. Under the supervision of a community health worker and in collaboration with clinic staff, students will address the underlying social and environmental factors that impact health. The Clinical Experience schedule will alternate between shifts in the clinical site and sessions structured for reflection and ongoing education.

**College:** Sidney Kimmel Medical College

**Schedule Type:** Clinical

**JMD 252: Humanities Selectives**

Strengthen key skills of doctoring through engagement in the arts and humanities. These skills include close observation, listening, emotional awareness and empathy, self-care, comfort with ambiguity and making mistakes, team and interpersonal communication, understanding the perspectives of patients and colleagues, and understanding social contexts of health. The Humanities Selectives are immersive, arts-based experiences and participation-oriented seminars that promote support and bonding between classmates and offer creative respite within medical school. In many cases, these courses are developed by professional artists in collaboration with medical educators and reflect unique syntheses of medicine and the humanities. JMD 252 is a continuation of JMD 152 for students who need one additional credit and is not mandatory for students who have completed 2 credits in JMD 152. Taken in Year 2.

**College:** Sidney Kimmel Medical College

**Schedule Type:** Lecture

**JMD 299: Licensure Exam Prep**

**College:** Sidney Kimmel Medical College

**Schedule Type:** Independent Study

**JMD 300: Transition to Clerkship**

This mandatory one-week course kicks off Phase 2 with essential skills training for students starting clinical clerkships. Sessions focus on expectations, use of electronic medical record, developing clinical reasoning skills, and success strategies. Small group workshops focus on oral presentation and note writing, as well as basic procedures. Taken at the end of Year 2, prior to beginning Phase 2 clerkships.

**College:** Sidney Kimmel Medical College

**Schedule Type:** Clinical

**JMD 301: Dimensions of Clin Med**

The goal of this course is to expose students to various interdisciplinary topics in the context of clinical medicine and reflect on complexities and many influences that affect the practice of medicine. This course consists of 7 curricular sessions that will run every 6 weeks during Phase 2, and includes reflection sessions and observed patient encounters. Students will also be exposed to a variety of topics that focus on residency selection and application process. End-of-Phase 2 OSCE is the final assessment for this course.

**College:** Sidney Kimmel Medical College

**Schedule Type:** Clinical

**JMD 302: Clinical Continuum**

**College:** Sidney Kimmel Medical College

**Schedule Type:** Lecture

**JMD 350: Scholarly Inquiry**

During this mandatory phase-long course, students will continue to develop their scholarly inquiry projects. Under guidance of their mentors, students will assemble a portfolio of their scholarly work, and begin planning for a capstone scholarly project.

**College:** Sidney Kimmel Medical College

**Schedule Type:** Clinical

**JMD 425: Research - Scholarly Inquiry**

JMD 425 allows a student to pursue research in a field outside a traditional clinical department and to continue SI work started in Phase 1 or Phase 2. Research electives provide the opportunity for students to work with faculty to complete research for academic credit. Students must have a research project approved by the corresponding department prior to registration. Students wishing to have their research project fulfill the SI requirement in Phase, must receive permission from the SI director and complete a capstone project.

**College:** Sidney Kimmel Medical College

**Schedule Type:** Independent Study

**JMD 428: Independent Elective**

**College:** Sidney Kimmel Medical College

**Schedule Type:** Independent Study

**JMD 440: The Creative Clinician**

Creative Clinician focuses on strengthening observational skills through drawing, and on experimenting with different artistic media and creative processes. Throughout the course, we'll investigate traditional wet and dry drawing materials like graphite, ink, and watercolor, as well as digital media. The entire class will participate in a month-long collaborative "exquisite corpse" project, and each student will work one-on-one with the instructor to develop and complete an individual final project. Students will gain the vocabulary to describe visual works of art and offer meaningful feedback to their peers, while regular readings and discussions will introduce students to different theories of art.

**College:** Sidney Kimmel Medical College

**Schedule Type:** Lecture

**JMD 441: The Medical Memoir**

This course will provide an opportunity for learners to reflect on their lives in medicine so far and on the situations and people that have touched them within the profession, and to craft these reflections into compelling stories. These stories may be intended for a medical audience or a general audience, but will offer insights into the experience of caring for patients and/or the experience of being a patient.

**College:** Sidney Kimmel Medical College

**Schedule Type:** Lecture

**JMD 442: Problems in the History of Med**

This course seeks to examine the roots of some of today's problems in healthcare and the complex factors that shape our healthcare system. Learning about healthcare's past will help us contextualize healthcare today and posit its future.

**College:** Sidney Kimmel Medical College

**Schedule Type:** Lecture

**JMD 450: Scholarly Inquiry**

**College:** Sidney Kimmel Medical College

**Schedule Type:** Independent Study

**JMD 460: Biochem & Evidence-Based Med.**

The goal of this elective is to provide students with further and unique training in biochemistry, genetics, biostatistics, and evidence-based medicine. Course work will focus on analyzing clinical cases, ordering & interpreting diagnostics, and judging relevant clinical trials. Students will perform guided literature searching, work in groups and present their findings to their peers.

**College:** Sidney Kimmel Medical College

**Schedule Type:** Lecture, On-Line

**JMD 461: Adv. Concepts in Microbiology**

To improve student understanding of basic microbiology and clinically relevant bacteria, mycobacteria, and fungi, including how these organisms are identified in the laboratory and how the results we receive as clinicians inform patient care.

**College:** Sidney Kimmel Medical College

**Schedule Type:** Hybrid, On-Line

**JMD 462: Adv. Study of Transfusion Med.**

A two week mixed format course dedicated to transfusion medicine.

This course is structured around multiple learning experiences, including multiple short virtual lectures, case-based asynchronous online learning, and a tour of the blood bank.

**College:** Sidney Kimmel Medical College

**Schedule Type:** Hybrid, On-Line

**JMD 463: Adv. Study of Muscul. Diseases**

This two-week online course will cover the pathophysiology underlying a mechanism-based approach to diagnosis and treatments for common musculoskeletal (MSK) disorders and diseases using case-based learning. Advanced cases incorporate multiple stages of the disease/disorder spanning periods of childhood, adolescence, early and late adulthood. Treatment categories include pharmacological, surgical, therapeutic, and lifestyle modifications.

**College:** Sidney Kimmel Medical College

**Schedule Type:** Lecture, On-Line

**JMD 464: Adv. Study of Neuro. Diseases**

This two-week online course will cover the pathophysiology underlying a mechanism-based approach to diagnosis and treatments for common neurological disorders using case-based learning. Advanced cases are tailored to incorporate multiple stages of one or more diseases/disorders spanning periods of childhood, adolescence, early and late adulthood. Treatment categories include pharmacological, surgical, therapeutic, and lifestyle modifications.

**College:** Sidney Kimmel Medical College

**Schedule Type:** Lecture, On-Line

**JMD 465: Clinic. Action. Mol. Pathology**

A two week mixed-format course on molecular pathology with a focus on clinically actionable molecular targets. This course is structured around multiple learning aetiologies, including multiple "mini" online lectures, case based learning, as well as attendance to at least one molecular focused tumour board.

**College:** Sidney Kimmel Medical College

**Schedule Type:** Hybrid, Lecture

**JMD 466: Integrative Medicine**

This a two week online course highlighting evidence based approaches used in integrative medicine that can benefit patient care, regardless of the specialty (i.e. patients do not have to be seen at an integrative medicine practice in order to utilize these approaches).

**College:** Sidney Kimmel Medical College

**Schedule Type:** Lecture, On-Line

**JMD 467: Clinical Pharmacology**

This two-week online course introduces the discipline of clinical pharmacology. Content is based on a previously taught ABS course Clinical Pharmacology. Although clinicians can become board-certified in Clinical Pharmacology, the concepts can be applied by clinicians in any specialty.

**College:** Sidney Kimmel Medical College

**Schedule Type:** On-Line

**JMD 468: Approaches to Pain & Addict.**

This is a two week hybrid course highlighting the use of opioids and other analgesics in multimodal targeted analgesia and the role of medication in addiction medicine. Opportunities will be available to participate in "live" and on-sessions.

**College:** Sidney Kimmel Medical College

**Schedule Type:** Hybrid, Lecture

**JMD 469: BLOOD**

Two week online course about blood disorders, including leukemias, pro-thrombotic disorders, bleeding disorders, and heritable anemias. This course is structured around multiple learning experiences, including multiple short virtual lectures, case-based learning, and online small group presentation.

**College:** Sidney Kimmel Medical College

**Schedule Type:** On-Line

**JMD 470: Advanced Concepts- Immunology**

Students will increase their understanding of the components of the innate and adaptive immune system and how these systems are regulated, the ways in which the immune system contributes to the appropriate response to pathogens and to the inappropriate development of autoimmune responses. Students will learn to apply this knowledge to the management of clinical scenarios and explore new and evolving knowledge and research in basic and clinical immunology.

**College:** Sidney Kimmel Medical College

**Schedule Type:** On-Line

**JMD 474: Advanced Diagnostics**

A two week online case-based course on diagnostic medicine including aspects of pathology, radiology, and laboratory medicine. This course is structured around doing one literature review and four cases using online discussion boards and survey tools. Besides the diagnostic component, each case will also have an overarching "theme", including principles of testing, critical evaluation of literature, barriers to diagnosis, and financial cost of diagnosis. This course is created as a collaboration between the Pathology and Radiology departments.

**College:** Sidney Kimmel Medical College

**Schedule Type:** Clinical, Lecture

**JMD 476: Pandemic Preparedness**

**College:** Sidney Kimmel Medical College

**Schedule Type:** On-Line

**JMD 480: Anatomy&Path- Musculoskeletal**

This is a focused course designed to supplement select critical knowledge areas and competencies in the anatomical sciences and pathology for fourth year medical students. This course will rely heavily on active learning in laboratory Dissection teams and Presentations and Case-Based Learning sessions.

**College:** Sidney Kimmel Medical College

**Schedule Type:** Clinical

**JMD 481: Anatomy&Path- Neurosciences**

This is a focused course designed to supplement select critical knowledge areas and competencies in the anatomical sciences and pathology for fourth year medical students. This course will rely heavily on active learning in laboratory Dissection teams and Presentations and Case-Based Learning sessions.

**College:** Sidney Kimmel Medical College

**Schedule Type:** Clinical

**JMD 482: Anatomy&Path- Head and Neck**

This is a focused course designed to supplement select critical knowledge areas and competencies in the anatomical sciences and pathology for fourth year medical students. This course will rely heavily on active learning in laboratory Dissection teams and Presentations and Case-Based Learning sessions.

**College:** Sidney Kimmel Medical College

**Schedule Type:** Clinical

**JMD 483: Anatomy&Path- Thorax**

This is a focused course designed to supplement select critical knowledge areas and competencies in the anatomical sciences and pathology for fourth year medical students. This course will rely heavily on active learning in laboratory Dissection teams and Presentations and Case-Based Learning sessions.

**College:** Sidney Kimmel Medical College

**Schedule Type:** Clinical

**JMD 484: Anatomy&Path- Abdomen**

This is a focused course designed to supplement select critical knowledge areas and competencies in the anatomical sciences and pathology for fourth year medical students. This course will rely heavily on active learning in laboratory Dissection teams and Presentations and Case-Based Learning sessions.

**College:** Sidney Kimmel Medical College

**Schedule Type:** Clinical

**JMD 485: Anatomy&Path- Pelvis/Perineum**

This is a focused course designed to supplement select critical knowledge areas and competencies in the anatomical sciences and pathology for fourth year medical students. This course will rely heavily on active learning in laboratory Dissection teams and Presentations and Case-Based Learning sessions.

**College:** Sidney Kimmel Medical College

**Schedule Type:** Clinical

**JMD 486: Anatomy&Path- Trunk**

This is a focused course designed to supplement select critical knowledge areas and competencies in the anatomical sciences and pathology for fourth year medical students. This course will rely heavily on active learning in laboratory Dissection teams and Presentations and Case-Based Learning sessions.

**College:** Sidney Kimmel Medical College

**Schedule Type:** Clinical

**JMD 490: Gateway to Internship - Part 1**

**College:** Sidney Kimmel Medical College

**Schedule Type:** Lecture

**JMD 491: Gateway to Internship - Part 2**

**College:** Sidney Kimmel Medical College

**Schedule Type:** Lecture

**JMD 492: Gateway to Internship - Part 3**

**College:** Sidney Kimmel Medical College

**Schedule Type:** Lecture

**JMD 493: Gateway to Internship - Part 4**

**College:** Sidney Kimmel Medical College

**Schedule Type:** Clinical

**JMD 494: Gateway to Internship A**

**College:** Sidney Kimmel Medical College

**Schedule Type:** Lecture

**JMD 495: Gateway to Internship B**

**College:** Sidney Kimmel Medical College

**Schedule Type:** Lecture

**JMD 499: Gateway to Internship**

**College:** Sidney Kimmel Medical College

**Schedule Type:** Lecture

**JMD 500: Outpatient Experience**

**College:** Sidney Kimmel Medical College

**Schedule Type:** Clinical

**JMD 999: Intended Research Elective**

**College:** Sidney Kimmel Medical College

**Schedule Type:** Clinical