

# 2019-20 University of Louisville • School of Medicine Curriculum

## Year One

**Clinical Anatomy, Development & Physical Examination (CADE):** 19-week course in fall semester that integrates Gross Anatomy, Embryology, and Physical Examination content by body region.

**Molecular Basis of Life, Defense and Disease:** 16-week course in spring semester that integrates foundational biochemistry, medical genetics, immunology, tissue and body fluid physiology, pathology, and pharmacology to introduce immunologic function in disease and health; normal cellular and tissue histology in health, injury, and healing; foundational microbiology; and mechanisms, diagnosis, and treatment of neoplastic and hematologic diseases.

**Introduction to Biostatistics and Evidence-Based Medicine:** 2-week course in spring semester that concentrates principles of biomedical research, foundational statistics, medical informatics, and application of evidence to patient care.

**Introduction to Clinical Medicine 1 (ICM 1):** Year-long course that covers foundational patient interviewing skills, professionalism and ethics, medical system structure and health disparities, cultural competency, provision of health maintenance and use of health guidelines.

## YEAR TWO

**Systems in Health and Disease 1:** 19-week course in fall semester that integrates the normal physiology of the cardiovascular, respiratory, renal, gastrointestinal, hepatobiliary, nutritional/metabolic, and endocrine systems with their pathophysiologic function in disease, progression from normal histologic appearance to pathologic appearance, infecting microbes, and applicable pharmacologic treatments.

**Systems in Health and Disease 2:** 14-week course in spring semester that integrates the normal physiology of the reproductive, dermatologic, musculoskeletal, and behavioral systems as well as neurologic system diseases with their pathophysiologic function in disease, progression from normal histologic appearance to pathologic appearance, infecting microbes, and applicable pharmacologic treatments.

**Introduction to Clinical Medicine 2 (ICM 2):** Year-long course that covers advanced clinical communication skills, specialized physical examination techniques, advanced medical ethics, medical socioeconomics and healthcare laws.

**Elective:** 2 credit hours of electives must be taken during second year.

## YEAR THREE

Third Year core clerkships run concurrently throughout the academic year beginning in late June and ending the following June. The sequence of clerkships is organized on a track basis. Core clerkships include 6 weeks of Family Medicine, 8 weeks of Internal Medicine, 4 weeks of Neurology, 6 weeks of Obstetrics and Gynecology, 6 weeks of Pediatrics, 6 weeks of Psychiatry, and 8 weeks of Surgery. There is an Advanced Clinical Medicine course that meets periodically throughout the third year. In addition, there is a 4-week block that can be used for electives or vacation.

## YEAR FOUR

Fourth Year runs concurrently throughout the academic year from July to early May. Required clinical rotations include 4 weeks of an Acting Internship, 4 weeks of an Ambulatory Rotation, 2 weeks of Critical Care, 1 week of Palliative Care, and 20-24 weeks of electives. In addition, students must complete Topics in Clinical Medicine and Advanced Cardiac Life Support courses

Year 1	Clinical Anatomy, Development & Physical Examination	Molecular Basis of Life, Defense & Disease	Biostats
	Introduction to Clinical Medicine 1		
Year 2	Human Systems in Health & Disease 1	Human Systems in Health & Disease 2	Step 1 Exam
	Introduction to Clinical Medicine 2		
Year 3	Core Clerkships, Electives		
	Advanced Clinical Medicine		
Year 4	Acting Internship, Critical Care Rotation, Palliative Care Rotation, Ambulatory Rotation, Topics in Clinical Medicine, Electives, Residency Interviews, Advanced Cardiac Life Support, Step 2 Exams		

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