

Faculty Affairs and Development Roundtable

Teaching Opportunities in Medical Student Education

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Panelists:

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Preclerkship Phase

Years 1 and 2

Systems-based Blocks

	July	August	Sept	Oct	Nov	Dec	Jan	Feb	March	April	May	June
Preclerkship Phase			Foundations of Health	Foundations of Disease	Cardiovascular	Break	Respiratory Renal & Acid-Base	Gastrointestinal	Urogenital & Endocrine	Break	Women's & Pediatric Health	Biostatistics & Ethics
			Clinical Skills I				Clinical Skills II, Interprofessional Foundations				Clinical Skills III	
	Hematology & Autoimmunity	Break	Sensory & Motor Systems	Special Senses & Cognition	Behavioral & Geriatric Health	Break	Step 1 Preparation	Flex Phase I and II & Ethical Issues in Research		Break		
	Clinical Skills III		Clinical Skills IV, Interprofessional Selective									

Preclerkship Phase

Content Areas

System-based block content is into 4 themes

All curricular content and learning activities are mapped to a specific theme; Integrated activities may be mapped to more than one theme.

SFP: Structure, Function and Pathology	Anatomy (Gross, Histology, Embryology) Physiology Cell Biology Pathology Pathophysiology
HRR: Homeostasis, Regulation and Response	Cellular Control Neuroscience Endocrinology Genetics Immunology Microbiology
MMT: Molecules Metabolism and Therapeutics	Biochemistry Molecular Biology Pharmacology Pharmacotherapeutics Prevention Nutrition
FPC: Fundamentals of Patient Care	Medical Interviewing, Physical Diagnosis, Clinical Reasoning, Patient Diversity and Health Disparities, Behavioral Science, Evidence-based Medicine, Biomedical Ethics
	Building a Life in Medicine, Wellness, Professional Development, Impairment

Flex Phase Mentoring

Flex phase is 8 weeks: occurs mid February - mid April

Scholarly Concentrations

- Global Health
- Health Humanities
- Physician as Teacher

Research

- Mentored Research Project
- Students chose a field of interest
- Standardized research curriculum

FLEX Fair

Clerkship Immersion Phase

Year 3



The order of rotations varies by student.

7 Core Clerkships

2 Selectives

Clerkship Enrichment Phase Year 4



The order of rotations varies by student.

***Advanced Surgery or Medicine Elective
Clinical Care Elective
Externship
5 Electives and Protected Time
Internship 101***

Preclerkship Teaching Opportunities

- Faculty teach in classroom, small group, laboratory and simulation lab settings in the preclerkship blocks on relevant content in the basic and clinical sciences.
- Lectures are funded at 4 units (hours) per lecture, which includes time for preparation of objectives, syllabus materials, formative assessment questions and summative assessment questions for block examinations.

Preclerkship Clinical Skills Course Small Group Preceptors

Year-Round Teaching

- Beginning in the first block, students learn about patient communication, interviewing, physical examination, clinical reasoning, behavioral medicine, and a variety of clinical foundational topics.
- Students practice interviewing and examining standardized patients and receive feedback from faculty and peers. The interview topics are aligned with the foundational sciences and clinical content of each systems block.
- Students practice basic physical assessment and diagnosis skills in small group.

Preclerkship Master Clinical Skills Teacher

Year-Round Teaching

- Hospital visits and workshops provide students with the critical opportunity to examine patients while receiving guidance and bedside teaching from a faculty mentor.
- Each preceptor is assigned teaching responsibility for up to 12 preclerkship students.
- Preceptors teach weekly on an assigned afternoon (Monday – Friday).
- Preceptors are responsible for teaching physical exam workshops (cardio/pulmonary, abdominal, musculoskeletal, cranial nerve/HEENT workshops).

Preclerkship Workshops

- ***Heart Sounds Simulation Workshop (December)***
Faculty/fellows (primarily Division of Cardiology or Master Clinical Skills Teachers) help with teaching heart sounds in the simulation center .
- ***Pelvic Exam Workshop (April)***
Faculty/fellows (primarily Department of OBGYN and Family Medicine) assist with teaching the pelvic exam with standardized patients.
- ***Breast Exam Workshop (May)***
Faculty/fellows (primarily Department of OBGYN and Family Medicine) assist with teaching the breast exam with standardized patients.
- ***EKG Workshops (December)***
Faculty/fellows (primarily Division of Cardiology or Master Clinical Skills Teachers) help with conducting EKG reading workshops .
- ***Pulmonary Function Test Workshop (January)***
Faculty/fellows (primarily Division of Pulmonology) assist in teaching pulmonary physiology through teaching pulmonary function tests.

Orientation Clinical Skills Simulation Workshop

Last Week of June, Annually

- Rising third-year students participate in pre-clerkship skills training workshops in the MUSC Health Care Simulation Center.
- Students review an online curriculum prior to attending a simulation workshop on basic procedures.
- Faculty and residents are needed to facilitate the nasogastric intubation and urethral catheterization stations.

Year 4 Internship 101 course

April – May, Annually

- Faculty and fellows are needed to facilitate small group teaching simulation sessions and procedures/skills workshops that increase senior student readiness to transition to internship.

Fundamentals of Patient Care Ethics Small Group Facilitation

Years 3 and 4, September – May

- Students and faculty/fellow facilitators engage in case-based ethical reasoning discussions related to real patient scenarios shared by clinical students.
- Option: Any consistent weekday (Monday - Thursday) from 12 – 3 pm
- Total commitment of 6 sessions/year.
- Credit: Approximately 15 hours/faculty member annually

For More Information

Faculty Affairs, Development and Wellness Website

<https://medicine.musc.edu/faculty-affairs> - click on Teaching Opportunities