MedPrep 3 is a workshop composed of five primers designed to assist newly admitted University of Missouri School of Medicine students. The academic primers review the subjects of biochemistry, cell physiology, pharmacology and anatomy as a preparation tool prior to the start of medical school. The professional development primer includes an online component as well as a one-day, onsite workshop that focuses on promoting a diverse and inclusive medical school environment.

**MEDPREP ACADEMIC PRIMERS**

**BIOCHEMISTRY PRIMER**
Provides the opportunity to learn or review material related to biological chemistry and biochemistry. The topics covered include basic organic and biological chemistry concepts essential in understanding the biochemistry of basic cellular building blocks (carbohydrates, lipids, amino acids, etc.) and metabolic processes related to these compounds.

**CELL PHYSIOLOGY PRIMER**
Provides the opportunity to learn or review material related to cellular structure and function. The topics will cover membrane structure and function including lipids, proteins and transport. In addition, cellular organelle structure and function will be covered.

**PHARMACOLOGY PRIMER**
Provides the opportunity to learn or review material related to pharmacological principles. Basic terminology and concepts in pharmacology, including processes of drug absorption, distribution, metabolism, elimination, mechanism of action and rational choice of drugs will be included.

**ANATOMY PRIMER**
Provides an overview of regional gross anatomy that parallels first-year anatomy curriculum. Each lecture includes an introduction to the anatomy of a given region, a component of the challenging autonomic nervous system and examples of radiology.

**WHERE:** Online via Canvas

**WHEN:** June 7 – July 18, 2021

**WHO:** Incoming students

**COST:** $50 per academic primer

Financial assistance available based on need.

**DEVELOPERS:** Medical school faculty who are experts in each discipline’s subject matter.

**FACILITATORS:** Current medical school students who have been carefully selected for their competence and expertise in the discipline’s subject matter, supported by the faculty member who developed the primer.
The Diversity and Inclusion primer is designed to promote an inclusive academic health care community and foster relationships between the entering class, deans, faculty, staff and current medical students. It also provides resources and tools to train participants as diversity educators knowledgeable in topics that encourage and embrace diversity and inclusion. The four-week online component is a weekly self-paced course that promotes engagement, learning and discussion, leading to the one-day interactive session with students, deans, faculty and staff. The enrichment primer is no cost to the student and is open to the entire entering class.

Registration required for all primers.

For more information visit medicine.missouri.edu/education/medprep3.

For questions, contact Andrea Simmons at mizzoumedprep@health.missouri.edu or (573) 884-6375.

"The Diversity and Inclusion MedPrep Primer was my first experience as an official Mizzou med student. It is no secret that subject matters regarding diversity and inclusion can be a bit challenging to discuss. However, Mizzou MedPrep confidently presented their dedication and willingness to make this topic a priority for the students as well as the faculty. Diversity and inclusion is for everyone, as we all have unique and different aspects about ourselves, therefore I would definitely recommend this primer to any incoming Mizzou med student!"

Alanna Sam
MD Candidate, 2021

“The Diversity and Inclusion primer helped me get to know some of my fellow med students much more personally, as well as the faculty I knew I could go to if I needed advice or help with anything. Some of my longest lasting and most meaningful med school relationships have come from participating in this primer!”

Katie Bernal
MD Candidate, 2021

“For me, MedPrep 3’s Diversity and Inclusion Primer was an excellent way to be exposed to highly relevant social issues and how I, as a future physician, can be an advocate for change in my future practice and within the profession as a whole. This primer helped lay a foundation for these topics that are discussed regularly and even tested once one enters med school. Check out this primer if you are ready to evaluate and challenge biases and become a better equipped ally and advocate to our diverse student body, medical profession and patient population!"

Magdaleno Gutierrez
MD Candidate, 2022