

M2M Module Goals – Revised 2019

Module Goals	School of Medicine Sub-Competency	Disciplines
A. Develop a foundation in the normal structure and function of the human body at the molecular, cellular, and tissue levels	2.1.1 Demonstrate knowledge of the normal structure, metabolism, and function of the molecules that compose the human body. 2.1.2 Demonstrate knowledge of normal cellular structure and function of the human body. 2.1.5 Demonstrate knowledge of the mechanisms that maintain homeostasis.	Biochemistry Genetics Histology Physiology
B. Develop a foundation in the basic mechanisms that impact health and lead to the development of disease states	1.7.1 Demonstrate an understanding of economic factors that impact health. 1.7.5 Demonstrate an understanding of environmental factors that impact health. 1.7.6 Demonstrate an understanding of how lifestyle impacts health. 2.2.1 Demonstrate knowledge of the abnormal structure, metabolism, and function of the molecules that compose the human body. 2.2.2 Demonstrate knowledge of abnormal cellular structure and function of the human body. 2.2.5 Demonstrate knowledge of the mechanisms that disrupt homeostasis.	Public and Preventative Health Biochemistry Genetics Pathology Pathophysiology
C. Build skills in the synthesis of biomedical information in order to diagnose patient conditions	2.3.1 Given a common condition or disorder, list the symptoms a patient might experience. 2.3.2 Given a common condition or disorder, list the findings that might be identified on physical exam. 2.6.1 List the epidemiologic factors that place a person or population at risk for a common condition or disorder.	Pathology Pathophysiology Public and Preventative Health Clinical Skills

M2M Module Goals – Revised 2019

	2.6.2 List the epidemiologic factors that affect transmission or development of a common condition or disorder. 3.6.2 Given a patient with a particular chief complaint, medical history, and physical exam findings, list an appropriate differential diagnosis.	
D. Build skills in clinical decision-making and the formulation of a treatment or prevention plan	1.1 List and define the basic principles guiding ethical decision making. 1.2.2 Apply models of ethical decision making to common medical ethical dilemmas. 2.4.1 Demonstrate knowledge of basic pharmacologic principles. 2.6.3 List the strategies used to control and prevent a common condition or disorder. 3.7.1 Demonstrate an understanding of the safe and effective use of particular medications in the management of a common condition or disorder. 3.7.4 Demonstrate the ability to use pertinent biomedical information appropriately to the management of a given common condition or disorder.	Ethics Pharmacology Public and Preventative Health Clinical Skills
E. Highlight the importance of inquiry in medicine and develop a foundation for the practice of self-directed learning and evidence-based medicine.	2.5.1 List the important elements of the scientific method and basic study design. 2.5.2 Describe the role and importance of clinical and translational research in the care of patients. 3.10.1 Demonstrate the ability to self-assess current knowledge and skills. 3.10.2 Demonstrate the ability to identify and access pertinent biomedical information resources that	Evidence Based Medicine Translational Science

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	would address gaps in knowledge and skills. 3.10.3 Demonstrate the ability to evaluate the effectiveness of available biomedical information resources in addressing gaps in knowledge and skills.	
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