

Educational Objectives of the School of Medicine

Objective	Phase I Competency: <i>Before entering Phase II, students will be able to:</i>	Graduation Competency: <i>Before graduation from the School of Medicine, students will be able to</i>
<p>Patient Care <i>Students will achieve the knowledge, skills, attitudes and behaviors to enable them, under supervision, to demonstrate increasing clinical capabilities as they progress towards residency education.</i></p>	<ul style="list-style-type: none"> • Describe the rationale for the components of the complete standard medical history and physical examination. • Perform a complete and accurate medical history, physical and mental status examination on an adult. • Perform a focused assessment of an adult • Document findings on a normal adult medical history, physical and mental status examination using correct terminology. • Discuss factors to be considered in the use of diagnostic tests, including operating characteristics (reliability, validity), acceptability to patients, potential adverse outcomes, and costs. • Outline the clinical-decision-making process 	<ul style="list-style-type: none"> • Assess patients of all ages with acute or chronic conditions as well as those presenting for comprehensive evaluation. • Propose appropriate strategies for evaluating and managing patients with selected conditions and symptoms (Appendices A, B) • Recognize, evaluate, and propose initial treatment for patients with life-threatening conditions. • Select, interpret, and appropriately use diagnostic tests and procedures. • Perform selected investigations and technical skills (Appendix C) • Describe and implement strategies to facilitate behavior change in patients and to optimize adherence with medical recommendations. • Discuss and participate in strategies to assess and improve the health of individuals and populations based on the recommendations of Healthy People 2010¹ and other expert recommendations. • Appropriately use common forms of medical documentation, data storage and retrieval, including security and confidentiality aspects
<p>Medical Knowledge <i>Students will use sound scientific principles to explain normal and abnormal human function, the logical diagnosis and management of illness and promotion of health. They will use an appropriate fund of knowledge of current and</i></p>	<ul style="list-style-type: none"> • Discuss the range of normal human structure and function based upon current scientific understanding of human anatomy, physiology, genetics, immunology, biochemistry, behavioral science and other relevant disciplines. 	<ul style="list-style-type: none"> • Describe the etiology, epidemiology, clinical features, diagnosis, prognosis, management and prevention of specified conditions (Appendix A). • Apply medical knowledge and analytic strategies to assess undifferentiated patients and solve clinical problems.

¹ <http://www.healthypeople.gov>

Objective	Phase I Competency: <i>Before entering Phase II, students will be able to:</i>	Graduation Competency: <i>Before graduation from the School of Medicine, students will be able to</i>
<i>evolving concepts and practices in medical care to solve clinical problems.</i>	<ul style="list-style-type: none"> • Describe major threats to health (including selected pathogens) and the related inherent defense, response and repair mechanisms • Describe the etiology, epidemiology, pathophysiology and potential consequences of selected disease processes (Appendix D) based upon integration of information from several scientific disciplines. • Discuss the current and anticipated major therapeutic agents used in the management of selected diseases and conditions, emphasizing fundamental (generalizable) principles of metabolism, mechanisms of action, inter and intra-class variation, adverse effects and costs. 	<ul style="list-style-type: none"> • Consistently integrate new scientific and clinical information into patient care
<p>Practice-Based Learning/Improvement <i>In their studies and clinical experiences students will demonstrate critical and analytic thinking, awareness of the limitations of their knowledge and skills, and commitment to continuous learning and improvement.</i></p>	<ul style="list-style-type: none"> • Efficiently retrieve pertinent information from the medical literature and other databases, including original research, clinical reviews, and expert guidelines/ recommendations. • Appraise clinical /scientific reports and recommendations using knowledge of research and statistical methodology to draw valid, clinically applicable conclusions. • Describe how evidence-based medicine and similar approaches can be integrated into the practice of medicine 	<ul style="list-style-type: none"> • Demonstrate the integration of evidence-based medicine and similar strategies into solving clinical problems and counseling patients • Participate in the ongoing care of patients including the redefinition of diagnostic, management, and prognostic elements as the condition evolves. • Use information technology to support clinical practice and personal education • Develop reflective practice habits, using analysis of experiences to improve performance. • Outline strategies to continuously update personal clinical knowledge and skills

Objective	Phase I Competency: <i>Before entering Phase II, students will be able to:</i>	Graduation Competency: <i>Before graduation from the School of Medicine, students will be able to</i>
<p>Interpersonal and Communication Skills <i>Students will be able to communicate effectively and appropriately both verbally and in writing with patients, family members of patients, colleagues, other health professionals, and relevant others.</i></p>	<ul style="list-style-type: none"> • Describe principles underlying good clinical communication with patients, family members of patients, colleagues, and others, including techniques applicable to selected challenging clinical situations. • Demonstrate the ability to elicit a complete clinical history and provide relevant information to patients • Outline their personal strengths and weaknesses in clinical communication. 	<ul style="list-style-type: none"> • Communicate effectively with patients and families, including situations involving sensitive, technically complex, or distressing information. • Demonstrate adaptation of communication style to the individual needs of patients and urgencies of situations • Conduct a culturally-competent clinical encounter, including the use of interpreters • Provide a concise, accurate, verbal summary of a patient situation to a faculty member, resident, or peer, prioritizing the most significant factors for clinical decision-making. • Create and maintain appropriate records of clinical encounters using standard terminology and formats • Prepare appropriate written and other communications between health professionals and organizations.
<p>Professionalism <i>Students will strive to integrate the concepts of altruism, accountability, excellence, duty, service, honor, integrity, and respect for others into all aspects of their professional lives.²</i></p>	<ul style="list-style-type: none"> • Discuss the core concepts of professionalism and their applicability to current and evolving patterns of medical practice.² • Describe challenges to professionalism in medicine and strategies to overcome these challenges.² • Understand and adhere to codes of professionalism required of KUSoM students.² • Discuss principles that govern ethical decision making in clinical medicine. 	<ul style="list-style-type: none"> • Integrate altruism, respect, accountability, duty, honor, integrity and commitment to excellence into their clinical and educational activities • Address ethical concerns in the practice of medicine, particularly the care of patients at the end of life, and in issues concerning the organization and financing of medical care. • Demonstrate sensitivity and responsiveness to patient individuality, including the role of culture, ethnicity, gender, age, and other aspects in health practices and decisions.

² KU School of medicine Professionalism Initiative <http://www.kumc.edu/som/professionalism.html>

Objective	Phase I Competency: <i>Before entering Phase II, students will be able to:</i>	Graduation Competency: <i>Before graduation from the School of Medicine, students will be able to</i>
		<ul style="list-style-type: none"> • Accept and provide constructive feedback as part of a commitment to continuous learning and improvement • Recognize and address personal limitations, attributes or behaviors that might affect their effectiveness as a physician
<p>Systems-Based Practice <i>Students will be prepared to function effectively in teams and within organizational structures. They will be aware of and responsive to community health issues and will be able to apply community and other resources to medical problems for individual patients and groups.</i></p>	<ul style="list-style-type: none"> • Describe key biopsychosocial, cultural, and behavioral determinants of health and their relationship to morbidity, mortality and the use of health services. • Outline the strengths and challenges of current systems of US health care organization and financing. • Describe measures of population health including the leading causes of morbidity, mortality, and health care burden in the United States overall and for different ages and types of individuals. • Describe the bioterrorism agents most likely to be used against the United States. 	<ul style="list-style-type: none"> • Describe the role(s) of different physician specialties, other health care professionals, and community health agencies in patient care and strategies to enhance collaboration. • Demonstrate effective clinical participation in a health care team • Appropriately adapt to participate in patient care in a variety of settings, each with different priorities, opportunities, and constraints e.g. urban/rural communities, emergency/urgent care facilities, underserved clinics and communities, long-term care facilities. • Describe key characteristics of the major forms of health care delivery or financing services used by patients in Kansas e.g. medicaid, medicare, PPO, HMO, FFS • Include organizational, financial, and health systems issues in clinical decision-making. • Identify, analyze, and propose solutions for a health problem in the community. • Describe the clinical presentation of victims of selected acts of bioterrorism and the appropriate response by community physicians.