

**UCDSOM GRADUATION COMPETENCIES AND EDUCATIONAL PROGRAM OBJECTIVES
LINKED TO COURSE OBJECTIVES FOR
MMI 480B MICROBIOLOGY**

GRADUATION COMPETENCIES I. UCDSOM graduates will provide **patient care** that is compassionate, appropriate, and effective for the treatment of health problems and the promotion of health.

EDUCATIONAL OBJECTIVES RELEVANT TO COURSE OBJECTIVES	COURSE OBJECTIVES	ASSESSMENT OF STUDENT ACHIEVEMENT OF COURSE
<p>I. 6. Employ a systematic approach to clinical reasoning and problem-solving that begins with problem recognition, ends with case resolution, and explicitly acknowledge the degree of uncertainty at each step.</p> <p>I. 8. Incorporate a broad knowledge of the biomedical sciences and an understanding of pathophysiology into the clinical reasoning process.</p>	<p>1. To correlate microbiological knowledge acquired through lectures, virtual laboratories/case discussion and self directed learning with infectious diseases.</p> <p>2. To employ a systematic approach and appropriate methodologies to identify an infectious agent and design a treatment strategy.</p>	<p>Laboratory and clinical vignettes are part of written quizzes, written exams and student oral presentation. Course grade is related to performance.</p>

GRADUATION COMPETENCY II. UCDSOM graduates will demonstrate **knowledge** about established and evolving biomedical, clinical, and cognate (e.g. epidemiological and social-behavioral) sciences and the application of this knowledge to patient care.

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<p>II. 1. Understand the normal human structure and function relevant to the understanding of human disease.</p> <p>II. 2. Describe the etiology, pathogenesis, structural and functional manifestations of representative diseases for all organ systems of the human body.</p> <p>II. 4. Utilize a vocabulary of disease for communication to colleagues, patients and families.</p>	<p>1. To learn the vocabulary of infectious agents and disease manifestations.</p> <p>2. To know the basic biological features of infectious agents and the clinical manifestations of associated disease processes.</p> <p>3. To know the methods for identification of infectious agents.</p> <p>4. To know the mechanisms of transmission.</p> <p>5. To learn effective prevention and treatment strategies for infectious diseases.</p> <p>6. To understand the epidemiology of infectious agents.</p>	<p>Knowledge is assessed by quizzes, participation in small group case discussion and student presentations, and the final exam.</p>

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GRADUATION COMPETENCY III. UCDSOM graduates will exhibit **interpersonal and communication** skills that result in effective information exchange and teaming with patients, their patients' families, and professional associates.

EDUCATIONAL OBJECTIVES RELEVANT TO COURSE OBJECTIVE	COURSE OBJECTIVE	ASSESSMENT OF STUDENT ACHIEVEMENT OF COURSE OBJECTIVE
<p>III. 2. Establish and maintain effective, collaborative professional relationships with peers, colleagues, and allied health care professionals.</p> <p>III. 3. Provide constructive feedback to colleagues, and use feedback from multiple sources to improve professional skills.</p> <p>III. 6. Communicate with learners (students, colleagues, or other professionals) as a teacher and mentor.</p>	To develop and maintain effective communication skills with peers and health care professionals.	Students give oral presentations and participate in discussions during the course. Students with communication deficiencies are referred to the Dean of Student Affairs for remediation.

GRADUATION COMPETENCY IV. UCDSOM graduates will demonstrate a commitment to **professionalism** in carrying out their responsibilities with adherence to ethical principles, and sensitivity to a diverse patient population.

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<p>IV. 1. Pursue excellence through commitments to professional competence.</p> <p>IV. 4. Recognize personal limits in knowledge, experience, ability, and resources.</p>	<p>1. Promote a commitment to pursue professional competence.</p> <p>2. Participate in self-regulatory activities.</p> <p>3. Reflect on the importance of showing respect for patients, colleagues and healthcare professionals.</p>	Student behavior is evaluated during small group case discussion/lab sessions and during oral presentation. Student behavior will also be assessed by peers in the group and will account for 5% of the final grade.

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GRADUATION COMPETENCY V. UCDSOM graduates will demonstrate knowledge of **system-based practice**, i.e., responsiveness to the larger context and system of health care and the ability to effectively call on system resources to provide care that is of optimal value.

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None	None	Not assessed in the course

GRADUATION COMPETENCY VI. UCDSOM graduates will acquire **life-long learning skills**.

EDUCATIONAL OBJECTIVES RELEVANT TO COURSE OBJECTIVES	COURSE OBJECTIVES	ASSESSMENT OF STUDENT ACHIEVEMENT OF COURSE OBJECTIVES
VI. 1. Demonstrating an inquisitive nature, information management skills, and critical evaluation framework necessary to sustain life-long learning.	<ol style="list-style-type: none"> 1. To develop skills to work as a member of a team. 2. To develop skills to independently access required information and to independently assess that information. 	Teamwork is assessed through observation of small group interaction.

GRADUATION COMPETENCY VII. UCDSOM graduates will learn how to approach **practice-based learning**.

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None	None	Not assessed in the course

How assessment is used to revise/improve the Course (please fill in):

Performance on quizzes, final and student presentations will underscore course weaknesses and strengths. Performance in USMLE step 1 is an independent assessment of core knowledge. This information, along with student course evaluations, will be used annually to revise and improve the course.