

**UCDSOM GRADUATION COMPETENCIES AND EDUCATIONAL PROGRAM OBJECTIVES  
LINKED TO COURSE OBJECTIVES FOR  
HPH 400 HUMAN PHYSIOLOGY**

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

<b>EDUCATIONAL OBJECTIVES RELEVANT TO COURSE OBJECTIVE</b>	<b>COURSE OBJECTIVE</b>	<b>ASSESSMENT OF STUDENT ACHIEVEMENT OF COURSE OBJECTIVE</b>
<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.</p>	<p>1. To encourage medical students to integrate basic science knowledge into clinical problem-solving.</p>	<p>Students' ability to apply basic science knowledge to clinical problems will be tested through biweekly written quizzes, a written final exam and small group learning and discussion sessions (e.g., Team-based Learning).</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.

<b>EDUCATIONAL OBJECTIVES RELEVANT TO COURSE OBJECTIVE</b>	<b>COURSE OBJECTIVE</b>	<b>ASSESSMENT OF STUDENT ACHIEVEMENT OF COURSE OBJECTIVE</b>
<p>II. 1. Understand the normal human structure and function relevant to the understanding of human disease.</p> <p>II. 4. Utilize a vocabulary of disease for communication to colleagues, patients and families.</p>	<p>2. To guide medical students in mastering an understanding of the fundamental operation of cells and organ systems as well as the hormonal and neuronal control mechanisms mediating interplay between the cardiovascular, respiratory, renal and gastrointestinal systems in the maintenance of whole body homeostasis.</p>	<p>Written biweekly quizzes and a comprehensive written final exam will test students' knowledge of physiology and ability to apply basic physiological principles to clinical problem solving. Small group learning sessions such as Team-Based Learning will also provide opportunities to observe students' performance in working as a team to acquire appropriate facts regarding physiological processes to solve clinical problems.</p>

**UCDSOM GRADUATION COMPETENCIES AND EDUCATIONAL PROGRAM  
OBJECTIVES LINKED TO COURSE OBJECTIVES FOR  
HPH 400 HUMAN PHYSIOLOGY**

**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.

<b>EDUCATIONAL OBJECTIVES RELEVANT TO COURSE OBJECTIVE</b>	<b>COURSE OBJECTIVE</b>	<b>ASSESSMENT OF STUDENT ACHIEVEMENT OF COURSE OBJECTIVE</b>
<p>III. 2. Establish and maintain effective, collaborative professional relationships with peers, colleagues, and allied health care professionals.</p> <p>III. 6. Communicate with learners (students, colleagues or other professionals) as a teacher and mentor.</p>	<p>3. To increase the proficiency of medical students in working individually as well as in small groups to identify and analyze clinical problems and to begin to determine the most logical course of action for corrective intervention.</p>	<p>Students will be required to work in teams during small group learning sessions such as Team-based Learning. These sessions will include an Individual Readiness Test, a Group Readiness Assurance Test and an Application of Course Concepts problem set.</p>

**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.

<b>EDUCATIONAL OBJECTIVES RELEVANT TO COURSE OBJECTIVE</b>	<b>COURSE OBJECTIVE</b>	<b>ASSESSMENT OF STUDENT ACHIEVEMENT OF COURSE OBJECTIVE</b>
<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>4. To promote a thoughtful understanding of patients' experiences and perspectives during diagnosis and treatment for pathophysiological conditions.</p>	<p>Students are observed by instructors during twice weekly conference sessions and also during small group learning sessions as they interact with each other and with instructors in the context of clinical problem solving, patient diagnosis and treatment. Professional behavior is noted and encouraged; unprofessional behavior is immediately corrected and if serious or repeated is reported to the Dean of Student Affairs.</p>

**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.

<b>EDUCATIONAL OBJECTIVES RELEVANT TO COURSE OBJECTIVES</b>	<b>COURSE OBJECTIVES</b>	<b>ASSESSMENT OF STUDENT ACHIEVEMENT OF COURSE OBJECTIVES</b>
None	None	Not assessed in the course

**UCDSOM GRADUATION COMPETENCIES AND EDUCATIONAL PROGRAM  
OBJECTIVES LINKED TO COURSE OBJECTIVES FOR  
HPH 400 HUMAN PHYSIOLOGY**

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

<b>EDUCATIONAL OBJECTIVES RELEVANT TO COURSE OBJECTIVE 5</b>	<b>COURSE OBJECTIVE 5</b>	<b>ASSESSMENT OF STUDENT ACHIEVEMENT OF COURSE OBJECTIVE 5</b>
VI.1. Demonstrate an inquisitive nature, information management skills, and critical evaluation framework necessary to sustain life	5. To assist medical students in acquiring the skills necessary to function as a member of a team and to promote a desire for life-long learning of physiology.	The ability to work well as a team member will be assessed during conferences in which small groups of students work on clinical problem solving activities, and also in Team-Based Learning sessions in which students work in small teams to address clinical problems that must be identified and solve.

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

<b>EDUCATIONAL OBJECTIVES RELEVANT TO COURSE OBJECTIVES</b>	<b>COURSE OBJECTIVES</b>	<b>ASSESSMENT OF STUDENT ACHIEVEMENT OF COURSE OBJECTIVES</b>
None	None	Not assessed in the course.