

**UCDSOM GRADUATION COMPETENCIES AND EDUCATIONAL PROGRAM
OBJECTIVES LINKED TO COURSE OBJECTIVES
OBG420 GENETICS**

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.

EDUCATIONAL OBJECTIVES RELEVANT TO COURSE OBJECTIVES	COURSE OBJECTIVES	ASSESSMENT OF STUDENT ACHIEVEMENT OF COURSE OBJECTIVES
<p>I-2. Organize, synthesize, and interpret information obtained from patient records, history and physical examination to construct a rational differential diagnosis and devise a cost-effective, evidence-based plan for management of the patient.</p> <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>I-10. Articulate the strengths and limitations of medical technology and evidence-based medicine.</p>	<p>1. Organize, synthesize, and interpret information obtained from patient records, history and physical examination to construct a rational differential diagnosis as relevant to select genetic diseases.</p> <p>2. Employ a systematic approach to clinical reasoning and problem-solving as related to genetic diseases.</p> <p>3. Incorporate a broad knowledge of genetics into the clinical reasoning process.</p> <p>4. Articulate the strengths and limitations of medical technology and evidence-based medicine.</p>	<p>The students are provided with problem sets which parallel material presented in lecture. Students will be assessed during case-based small group discussions of these problem sets (which include a homework assignment for each conference).</p> <p>Final examination</p>

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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 appreciation of this knowledge to patient care.

EDUCATIONAL OBJECTIVES RELEVANT TO COURSE OBJECTIVES	COURSE OBJECTIVES	ASSESSMENT OF STUDENT ACHIEVEMENT OF COURSE OBJECTIVES
<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-3. Describe the context of specific diseases in terms of prevalence, morbidity and mortality within society and for specific populations.</p> <p>II-4. Utilize a vocabulary of disease for communication to colleagues, patients and families.</p> <p>II-6. Understand etiology and risk factors for disease prevention, principles of disease surveillance, screening, and health needs assessment.</p>	<p>1. Understand the normal human structure and function relevant to the understanding of human genetic disease.</p> <p>2. Describe the etiology, pathogenesis, structural and functional manifestations of representative genetic diseases</p> <p>3. Describe the context of selected genetic diseases in terms of prevalence, morbidity and mortality within society and for specific populations.</p> <p>4. Utilize a vocabulary of genetic disease for communication to colleagues, patients and families.</p> <p>5. Understand etiology and risk factors for disease prevention, principles of disease surveillance, screening and health needs assessment.</p>	<p>The students are provided with problem sets which parallel material presented in lecture. Students will be assessed during case-based small group discussions of these problem sets (which include a homework assignment for each conference).</p> <p>Final examination</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 OBJECTIVES	COURSE OBJECTIVES	ASSESSMENT OF STUDENT ACHIEVEMENT OF COURSE OBJECTIVES
<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-5. Understand and utilize shared decision-making in areas where there is uncertainty.</p> <p>III-6. Communicate with learners (students, colleagues, or other professionals) as a teacher and mentor.</p>	<p>1. Establish and maintain effective, collaborative professional relationships with peers, colleagues, and allied health care professionals.</p> <p>2. Provide constructive feedback to colleagues, and use feedback from multiple sources to improve professional skills.</p> <p>3. Understand and utilize shared decision-making in areas where there is uncertainty.</p> <p>4. Communicate with learners (students, colleagues or other professionals) as a teacher and mentor.</p>	<p>The students are provided with problem sets which parallel material presented in lecture. Students will be assessed during case-based small group discussions of these problem sets (which include a homework assignment for each conference). 20% of grade comes from these small group discussions.</p>

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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.

EDUCATIONAL OBJECTIVES RELEVANT TO COURSE OBJECTIVES	COURSE OBJECTIVES	ASSESSMENT OF STUDENT ACHIEVEMENT OF COURSE OBJECTIVES
<p>IV-1. Pursue excellence through commitments to professional competence.</p> <p>IV-3. Recognize professional behavior as most tested and apparent when managing value conflicts, including conflicts of interest.</p> <p>IV-4. Recognize personal limits in knowledge, experience, ability, and resources.</p> <p>IV-5. Understand and apply core ethical concepts, principles, and terms, including:</p> <ul style="list-style-type: none"> • Autonomy • Beneficence • Non-maleficence • Justice <p>IV-6. Demonstrate an ability to utilize core ethical concepts in discussing, analyzing, and formulating well-reasoned conclusions in specific clinical cases.</p> <p>IV-8. Understand the roles of ethics committees, review boards, and other institutional resources and policies play in the clarification and analysis of ethical issues in patient care and clinical research.</p> <p>IV-9. Demonstrate acceptance of the physician's responsibility to understand the cultural dimensions of health and illness while recognizing their own personal biases and reactions to persons from different backgrounds.</p>	<p>1. Pursue excellence through commitment to professional competence.</p> <p>2. Recognize professional behavior as most tested and apparent when managing value conflicts, including conflicts of interest.</p> <p>3. Recognize personal limits in knowledge, expertise, ability and resources.</p> <p>4. Understand and apply core ethical concepts, principles, and terms as relevant to genetic disease.</p> <p>5. Demonstrate an ability to utilize core ethical concepts in discussing, analyzing, and formulating well-reasoned conclusions in specific clinical cases.</p> <p>6. Understand the roles of ethics committees, review boards, and other institutional resources and policies play in the clarification and analysis of ethical issues in patient care and genetics research.</p> <p>7. Demonstrate acceptance of the physician's responsibility to understand the cultural dimensions of health and illness while recognizing their own personal biases and reactions to persons from different backgrounds.</p>	<p>The students are provided with problem sets which parallel material presented in lecture. Students will be assessed during case-based small group discussions of these problem sets (which include a homework assignment for each conference). 20% of grade comes from these small group discussions.</p>

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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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V-2. Work effectively in their health care team by knowing and respecting the roles and inter-relationships of the major health professions.	Work effectively with their health team by knowing and respecting the interrelationships of the major health professions such as genetic counselors.	The students are provided with problem sets which parallel material presented in lecture. Students will be assessed during case-based small group discussions of these problem sets (which include a homework assignment for each conference). 20% of grade comes from these small group discussions.

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. Demonstrate an inquisitive nature, information management skills, and critical evaluation framework necessary to sustain life-long learning. VI-2. Acquire a life-long commitment to self-care, to allow excellent patient care. VI-3. Acquire a life-long commitment to clarifying personal values, beliefs, motivations, strengths, and limitations relevant to his/her practice of medicine.	1. Demonstrate an inquisitive nature, information management skills, and critical evaluation framework necessary to sustain life-long learning. 2. Acquire a life-long commitment to self-care, to allow excellent patient care. 3. Acquire a life-long commitment to clarifying personal values, beliefs, motivations, strengths, and limitations relevant to his/her practice of medicine.	Students are directed to several web-based sources of up-to-date information on genetic diseases and are required to demonstrate competency in using these resources.

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

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VII-2. Use feedback to continually enhance knowledge, skills and professional behavior. VII-3. Teach patients and health colleagues effectively using specific, task-specific educational strategies.	1. Use feedback to continually enhance knowledge, skills and professional behavior. 2. Use technology to manage information and pursue self-improvement to enhance patient care.	The students are provided with problem sets which parallel material presented in lecture. Students will be assessed during case-based small group discussions of these problem sets (which include a homework assignment for each conference). 20% of grade comes from these small group discussions.

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