MATC 2610 - Introduction to Disease Processes

Fall 2026 Syllabus, Section 01, CRN 43227,

Credit hours: 3

Instructor

Tracy Miller

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Public Instructor Information

Instructor Title:Tracy Miller, MHA, CMA (AAMA)
Instructor Professional Qualifications:

Master's (MHA), Health Administration, Ohio University, 2015
Bachelor's (BS), Business Management, Franciscan University of Steubenville, 2005
Associate (AA), General Studies, Franciscan University of Steubenville, 2003

Certificate, Medical Assisting, Jefferson Community College, 1995

Instructor Office Location: Cushwa Hall 1106
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Course Description

2610. Introduction to Disease Processes. Introduction to the disease process including diagnostic symptoms and treatment aspects. Emphasis on the physical, psychological, and environmental conditions which influence the individual's well being. 3 s.h.

Course Readings

Group	Title	Author	ISBN
Required	Medical assisting : administrative and clinical procedures including anatomy and physiology	Booth	

The course readings are subject to change in the event of extenuating circumstances, research developments, current events, and/or to ensure better learning.

Schedule of Topics and Assignments

Week of	Proposed Topic	Due/To Prepare for Class
8/24		Week 1: Organization of the Body Chapter: 21 • Topics: Body planes, cavities, homeostasis, terminology • SmartBook Assignment: Chapter 21 • Chapter Assignment • Chapter Quiz
8/31		Week 2: Protection and Movement Chapters: 22—24 • Topics: Integumentary, skeletal, muscular systems • SmartBook Assignments: Chapters 22, 23, 24 • Chapter Assignments: o Ch. 22 o Ch. 23 o Ch. 24 • Chapter Quizzes: One per chapter (skin, bones, muscles)
9/7		Week 3: Circulation and Immunity Chapters: 25, 27 • Topics: Cardiovascular system, lymphatic system, immune response • SmartBook Assignments: Chapters 25, 27 • Chapter Assignments: o Ch. 25 o Ch. 27 • Chapter Quizzes: Cardiovascular and immune systems

9/14	Week 4: Respiration and Neural Control Chapters: 28–29 • Topics: Respiratory and nervous systems • SmartBook Assignments: Chapters 28, 29 • Chapter Assignments: o Ch. 28 o Ch. 29 • Chapter Quizzes: Respiratory and nervous systems
9/21	Week 5: Filtration and Reproduction Chapters: 30–31 • Topics: Urinary and reproductive systems • SmartBook Assignments: Chapters 30, 31 • Chapter Assignments: o Ch. 30 o Ch. 31 • Chapter Quizzes: Urinary and reproductive systems
9/28	Week 6: Nutrition and Hormonal Regulation Chapters: 32–33 • Topics: Digestive and endocrine systems • SmartBook Assignments: Chapters 32, 33 • Chapter Assignments: o Ch. 32: GI disorder comparison chart o Ch. 33: Hormone imbalance case study • Chapter Quizzes: Digestive and endocrine systems
10/5	Week 7: Sensory Systems and Final Review Chapter: 34 • Topics: Vision, hearing, taste, smell, balance • SmartBook Assignment: Chapter 34 • Chapter Assignment: Sensory disorder infographic • Chapter Quiz: Special senses • Research Paper: Comprehensive (Ch. 21–34)

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