

Course Syllabus

Course Title: Pathophysiology

Course Number: MEDC 5485

Course Description: Study of the pathology and general health management of diseases and injuries across the life span. Topics include etiology, symptoms, and the physical and psychological reactions to diseases and injuries.

Hours: 48

Course Prerequisite(s): Medical Terminology and Basic Anatomy and Physiology

Student Learning Outcomes:

1. Identify the important concepts related to human diseases.
2. Define key terminology relevant to human diseases and disorders.
3. Correctly pronounce common terminology related to human diseases.
4. Identify signs and symptoms, and diagnostic tests common to human diseases and disorders.
5. Describe specific common human diseases and disorders.
6. State the effects of aging on specific body systems.
7. Distinguish environmental factors, physical, psychosocial and cognitive characteristics of various diseases and conditions.
8. Identify implications of therapeutic interventions of common diseases and conditions.

Textbook(s): (Contact bookstore for latest edition and cost)
Pathophysiology for the Health Professions, Barbara Gould

Withdrawal Policy: See the current *Career Skills Training* catalog for the tuition refund policy.

Collin College Academic Policies: See the current *Collin Student Handbook*.

Americans with Disabilities Act: Collin College will adhere to all applicable federal, state and local laws, regulations and guidelines with respect to providing reasonable accommodations as required to afford equal opportunity. It is the student's responsibility to contact the ACCESS office, SCC-G200 or 972.881.5898 (V/TTD: 972.881.5950) to arrange for appropriate accommodations. See the current *Collin Student Handbook* for additional information.

Meeting Location: Courtyard Center

Attendance Policy: Students must be in attendance for at least 90% in order to pass competencies.

Lesson Plan

Week 1: Introductions, review of syllabus, course outline,

	Chapter 1: introduction to Pathophysiology
	Chapter 2: Fluid, Electrolyte, and Acid-Base Imbalances
Week 2:	Chapter 3: Introduction to Basic Pharmacology and Other Common Therapies
	Chapter 4: Pain
	Chapter 5: Inflammation and Healing
	Chapter 6: Infection
	Chapter 7: Immunity
Week 3:	Chapter 8: Skin Disorders
	Chapter 9: Musculoskeletal System Disorders
	Chapter 10: Blood and Circulatory System Disorders
	Chapter 11: Lymphatic System Disorders
Week 4:	Chapter 12: Cardiovascular System Disorders
	Chapter 13: Respiratory System Disorders
	Chapter 14: Nervous System Disorders
	Chapter 15: Disorders of the Eyes, Ears, and other Sensory Organs
	Chapter 16: Endocrine System Disorders
Week 5:	Chapter 17: Digestive System Disorders
	Chapter 18: Urinary System Disorders
	Chapter 19: Reproductive System Disorders
	Chapter 20: Neoplasms and Cancer
Week 6:	Chapter 21: Congenital and Genetic Disorders
	Chapter 22: Complications of Pregnancy
	Chapter 23: Complications of Adolescence
	Chapter 24: Complications of Aging
Week 7:	Chapter 25: Immobility and Associated Problems
	Chapter 26: Stress and Associated Problems
	Chapter 27: Substance Abuse and Associated Problems
	Chapter 28: Environmental Hazards and Associated Problems
	Final Exam and end of course evaluations

Sessions listed are a guideline to indicate all topics that will be covered during your course. Do not plan your personal calendar based on these sessions. Your instructor will give you a calendar for your class that will indicate specific topics, labs, and days.

Method of Evaluation: Students must achieve a minimum of 75% final average and must be in attendance 90% of the class time in order to pass competencies.