

Hagerstown Community College

Master Syllabus

COURSE: HIM 110 – Pharmacology and Pathophysiology **DATE:** Fall, 2018

INSTRUCTOR: Jacqueline Garcia, MHA, RHIA

COURSE DESCRIPTION: This course provides in-depth knowledge of diseases, their etiology, medical complications, and pathophysiology. Students will learn about laboratory and other diagnostic tests used to confirm or rule out a diagnosis. Current pharmacological treatments are explored with review and interpretation of health record data. The course covers general pharmacology for health information professionals, including understanding the general principles of drug actions and reactions, identifying the major drug classes, recognizing brand versus generic names, calculating drug dosages, and integrating automated dispensing cabinets with electronic health records. Total of 45 hours of lecture.

TEXTBOOK:

Asperheim, M. K. & Favaro, J. (2011). Introduction to Pharmacology. 12th Edition. St. Louis, Missouri: Elsevier Saunders. ISBN #978-1437717068

VanMeter, K.C. & Hubert, R. J. () Gould's Pathophysiology for the Health Professionals. 5th Edition. St. Louis, Missouri: Elsevier Saunders. ISBN #9781455754113

STUDENT LEARNING OUTCOMES:

Upon completion of this course, the student will be able to:

1. Recognize the major systems of the human body and understand the causes (etiology) and pathophysiology (disease process) of disorders related to those systems.
2. Identify methods used to diagnose diseases.
3. Analyze the risk factors and etiology of major diseases.
4. Define abbreviations used in medical care.
5. Describe basic pharmacological principles, and identify common medication preparations and routes of administration.
6. Organize drugs by classification, purpose, side effects, and interaction.
7. Identify key drug legislation and how laws affect the act of writing prescriptions.
8. List the most commonly prescribed drugs by generic and trade names.
9. Explain the medical uses of drugs and procedural treatments as applied to pathophysiological disorders.
10. Analyze a health record encounter and identify pertinent information describing the pathophysiological condition, the pharmacological and procedural treatment for that condition.

MINIMUM CLOCK HOURS REQUIRED FOR THIS ONLINE COURSE:

	Faculty Instruction Online 37.5 h required	Explanation
Online Instruction	37.5	Time watching videos, utilizing online tools, etc.
Reading chapters	20	Reading, note-taking, practicing sample problems, etc.
Quiz/activity for each chapter	15	Study time plus time completing quizzes, as well as completing chapter activities.
Discussion Board	25	Time spent completing discussion board postings.
Examinations	15	Study time plus time to complete examinations.
Total Hours	112.5	

Services for Students with Disabilities: Students may receive reasonable accommodations if they have a diagnosed disability and present appropriate documentation. Students seeking accommodations are required to contact the Disability Support Services (DSS) office as early as possible. Students may contact a DSS staff member for an appointment at dss@hagerstowncc.edu or at 240-500-2530.