HITM2230 - Medical Science for Health Information Professionals

Credits:	3 (3/0/0)
Description:	This course provides students with an understanding of fundamental concepts of pathological conditions and therapeutics associated with multiple medical conditions. A working knowledge of the nature and cause of disease processes, including etiology, signs, symptoms and diagnostic evaluation, is covered. Appropriate treatment modalities are covered for each body system, including pharmacological, preventative, palliative, therapeutic and surgical. This allows health information professionals to apply diagnosis and treatment knowledge to code assignment according to current guidelines.
Prerequisites:	• BIOL1170 • HLTH1116
Corequisites:	
Pre/Corequisites*:	
Competencies:	1. Recognize the physical and functional changes that occur with disease, injury and throughout the human life cycle. 2. Define common pathophysiological and pharmacological terms. 3. Comprehend common medical abbreviations, acronyms, diagnostic studies and tests. 4. Demonstrate an understanding of the most common treatments of disease for each body system. 5. Describe diagnostic and therapeutic tests and procedures in disease processes and interventions. 6. Differentiate among preventative, palliative and therapeutic treatments. 7. Identify generic and brand names and the indications for commonly prescribed drugs and agents. 8. Define the different dosages and routes of medication administration and how this affects the assignment of codes. 9. Identify contraindications and side effects associated with drug therapies.
MnTC goal areas:	None

Can be taking as a Prerequisite or Corequisite.

© 2026 Minnesota State Community and Technical College.
We reserve the right to periodically update information without notice.
The information in this publication should not be regarded as contractual in nature.