



Course Information

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| Course Title | Pathophysiology and Pharmacology |
| Course Prefix, Num. and Title | HITT 2330 Pathophysiology and Pharmacology |
| Division | Allied Health |
| Department | Health Information Technology |
| Course Type | WECM Course |
| Course Catalog 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. A study of drug classifications, actions, therapeutic uses, adverse effects, routes of administration, and calculation of dosages. |
| Pre-Requisites | None |
| Co-Requisites | BIOL2402 or consent of instructor |

Semester Credit Hours

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| Total Semester Credit Hours (SCH): Lecture Hours: | 3:3:1 |
| Lab/Other Hours | |
| Equated Pay Hours | 3.5 |
| Lab/Other Hours Breakdown: Lab Hours | 1 |
| Lab/Other Hours Breakdown: Clinical Hours | 0 |
| Lab/Other Hours Breakdown: Practicum Hours | 0 |
| Other Hours Breakdown | 0 |

Approval Signatures

| Title | Signature | Date |
|-------------------------|------------------|-------------|
| Prepared by: | | |
| Department Head: | | |
| Division Chair: | | |
| Dean/VPI: | | |
| Approved by CIR: | | |

Additional Course Information

Topical Outline: Each offering of this course must include the following topics (be sure to include information regarding lab, practicum, and clinical or other non-lecture instruction).

Module 1: Core Concepts of Disease.

Module 2: Mechanism of Disease.

Module 3: Core Concepts of Pharmacology.

Module 4: Drug Administration and Dosage Forms.

Module 5: Cancer and Antineoplastic Pharmacology.

Module 6: Pathopharmacology of the Musculoskeletal System.

Module 7: Pathopharmacology of the Integumentary System.

Module 8: Gastrointestinal Diseases and Medications.

Module 9: Pathopharmacology of the Endocrine System.

Module 10: Pathopharmacology of the Urinary System.

Module 11: Pathopharmacology of the Respiratory System.

Module 12: Pathopharmacology of the Cardiovascular System.

Module 13: Pathopharmacology of the Nervous System.

Module 14: Pathopharmacology of the Eyes and Ears.

Module 15: Pathopharmacology of the Reproductive System.

Course Learning Outcomes:

Learning Outcomes – Upon successful completion of this course, students will:

Identify specific common human diseases, disorders, and their medical and surgical therapies.

Methods of Assessment:

Discussions, Quizzes, and Exams

Required text(s), optional text(s) and/or materials to be supplied by the student:

Colbert, Bruce, MindTap Pathopharmacology, 1st edition, Clifton Park, New Jersey, Cengage Learning, 2019.

Suggested Course Maximum:

20

List any specific or physical requirements beyond a typical classroom required to teach the course.

Instructor must have training and access to all appropriate technology for www.courses.

Course Requirements/Grading System: Describe any course specific requirements such as research papers or reading assignments and the generalized grading format for the course.

Final evaluation will be based on grades achieved during the semester and the final exam.

Assignments/Attendance/Quizzes 30%; Exams 50%; Final Exam 20%

Grading scale:

93—100% A

85—92% B

78—84% C

70—77%

D 69—0% F

Curriculum Checklist:

- Administrative General Education Course** (from ACGM, but not in WCJC Core) – No additional documents needed.
- Administrative WCJC Core Course.** Attach the Core Curriculum Review Forms
 - Critical Thinking
 - Communication
 - Empirical & Quantitative Skills
 - Teamwork
 - Social Responsibility
 - Personal Responsibility
- WECM Course** -If needed, revise the Program SCANS Matrix and Competencies Checklist