

MA 162 Course Outline as of Fall 2022**CATALOG INFORMATION**

Dept and Nbr: MA 162 Title: DISEASE PROCESSES
 Full Title: Disease Processes
 Last Reviewed: 2/14/2022

| Units | Course Hours per Week | | Nbr of Weeks | | Course Hours Total | |
|---------|-----------------------|-------------------|--------------|------|--------------------|-------|
| Maximum | 3.00 | Lecture Scheduled | 3.00 | 17.5 | Lecture Scheduled | 52.50 |
| Minimum | 3.00 | Lab Scheduled | 0 | 17.5 | Lab Scheduled | 0 |
| | | Contact DHR | 0 | | Contact DHR | 0 |
| | | Contact Total | 3.00 | | Contact Total | 52.50 |
| | | Non-contact DHR | 0 | | Non-contact DHR | 0 |

Total Out of Class Hours: 105.00

Total Student Learning Hours: 157.50

Title 5 Category: AA Degree Applicable

Grading: Grade Only

Repeatability: 00 - Two Repeats if Grade was D, F, NC, or NP

Also Listed As:

Formerly: MA 62

Catalog Description:

In this course, students will learn about diseases of body systems and terminology of medical specialties with development, analysis, interpretation, and application of advanced medical terminology used in a variety of medical settings. This includes advanced terminology related to body systems and medical specialties and associated with anatomic terms, pathophysiology, diagnoses, symptoms, conditions, medical and surgical procedures, clinical and diagnostic laboratory, and medications.

Prerequisites/Corequisites:

Course Completion of ANAT 140, HLC 140, HLC 160, LIR 10, and PSYCH 1A; AND Concurrent Enrollment in MA 160, MA 161, MA 163, MA 167

Recommended Preparation:

Eligibility for ENGL 1A or equivalent

Limits on Enrollment:**Schedule of Classes Information:**

Description: In this course, students will learn about diseases of body systems and terminology of medical specialties with development, analysis, interpretation, and application of advanced

medical terminology used in a variety of medical settings. This includes advanced terminology related to body systems and medical specialties and associated with anatomic terms, pathophysiology, diagnoses, symptoms, conditions, medical and surgical procedures, clinical and diagnostic laboratory, and medications. (Grade Only)

Prerequisites/Corequisites: Course Completion of ANAT 140, HLC 140, HLC 160, LIR 10, and PSYCH 1A; AND

Concurrent Enrollment in MA 160, MA 161, MA 163, MA 167

Recommended: Eligibility for ENGL 1A or equivalent

Limits on Enrollment:

Transfer Credit:

Repeatability: Two Repeats if Grade was D, F, NC, or NP

ARTICULATION, MAJOR, and CERTIFICATION INFORMATION:

| | | | |
|----------------------|----------------------|------------|-----------|
| AS Degree: | Area | Effective: | Inactive: |
| CSU GE: | Transfer Area | Effective: | Inactive: |
| IGETC: | Transfer Area | Effective: | Inactive: |
| CSU Transfer: | | Effective: | Inactive: |
| UC Transfer: | | Effective: | Inactive: |

CID:

Certificate/Major Applicable:

Both Certificate and Major Applicable

COURSE CONTENT

Student Learning Outcomes:

At the conclusion of this course, the student should be able to:

1. Identify and/or describe the most common diseases and their signs, symptoms, incidence, etiology, diagnoses, and treatment for each body system.
2. Discuss nutritional guidelines and treatments for each body system as it relates to disease.

Objectives:

At the conclusion of this course, the student should be able to:

1. Relate the main functions and physiology of each of the body systems to the associated pathology.
2. Discuss disease processes, infectious diseases, neoplasia, congenital abnormalities, and nutrition's role in many diseases.
3. State and define the most common abbreviations used in medical terminology and correctly spell and pronounce common medical terms used in medical specialties.
4. Access and evaluate current medical information regarding diseases of various body systems utilizing the Internet and other resources.

Topics and Scope:

- I. Review Body Systems Relating to Pathology
 - A. Main functions

- B. Physiology
- II. Analysis of the Most Common Diseases of the Human Body Systems
 - A. Integumentary
 - B. Musculoskeletal
 - C. Cardiovascular
 - D. Hematic
 - E. Lymphatic
 - F. Respiratory
 - G. Urinary
 - H. Reproductive
 - I. Endocrine
 - J. Digestive
 - K. Neurological
- III. Common Medical Terms and Abbreviations in Medical Specialties
- IV. Nutrition's Role in Disease
- V. Resources for Medical Information
 - A. Websites and multi-media
 - B. Books and journals of medical presentations of diseases

Assignment:

1. Read 20-30 pages from textbook per week
2. Complete writing assignments including but not limited to:
 - a. Prepare 1 disease oral presentation for a selected body system
 - b. Write a comprehensive research paper on a medical disease or disorder
 - c. Interpret 2-4 case studies and review 2-4 medical records
3. Complete weekly homework problem-solving exercises to review in class
4. Quizzes (2-15)
5. Midterm
6. Final exam

Methods of Evaluation/Basis of Grade:

Writing: Assessment tools that demonstrate writing skills and/or require students to select, organize and explain ideas in writing.

| | |
|----------------------------------|---------------------|
| Written homework, research paper | Writing 15 - 20% |
|----------------------------------|---------------------|

Problem Solving: Assessment tools, other than exams, that demonstrate competence in computational or non-computational problem solving skills.

| | |
|---|----------------------------|
| Problem solving exercises; case studies and medical records | Problem solving 5 - 20% |
|---|----------------------------|

Skill Demonstrations: All skill-based and physical demonstrations used for assessment purposes including skill performance exams.

| | |
|-------------------|---------------------------------|
| Oral presentation | Skill Demonstrations 5 - 10% |
|-------------------|---------------------------------|

Exams: All forms of formal testing, other than skill performance exams.

Quizzes, midterm and final exam

Exams
60 - 75%

Other: Includes any assessment tools that do not logically fit into the above categories.

None

Other Category
0 - 0%

Representative Textbooks and Materials:

Diseases of the Human Body. 7th ed. Tampo, Carol. FA Davis. 2022