HLC 140 Course Outline as of Fall 2018

CATALOG INFORMATION

Dept and Nbr: HLC 140 Title: HEALTH CARE IMPLIC A & P
Full Title: Health Care Implications of Anatomy and Physiology
Last Reviewed: 9/11/2023

Units		Course Hours per Week		Nbr of Weeks	Course Hours Total	
Maximum	1.00	Lecture Scheduled	1.00	17.5	Lecture Scheduled	17.50
Minimum	1.00	Lab Scheduled	0	6	Lab Scheduled	0
		Contact DHR	0		Contact DHR	0
		Contact Total	1.00		Contact Total	17.50
		Non-contact DHR	0		Non-contact DHR	0

Total Out of Class Hours: 35.00 Total Student Learning Hours: 52.50

Title 5 Category:	AA Degree Applicable
Grading:	Grade or P/NP
Repeatability:	00 - Two Repeats if Grade was D, F, NC, or NP
Also Listed As:	
Formerly:	

Catalog Description:
Implications of anatomy and physiology for patient care, including relationship of body structures and functions to health and disease. Designed as preparation for selected health sciences programs.

Prerequisites/Corequisites:
Course Completion or Current Enrollment in ANAT 140

Recommended Preparation:
Eligibility for ENGL 1A or equivalent

Limits on Enrollment:

Schedule of Classes Information:
Description: Implications of anatomy and physiology for patient care, including relationship of body structures and functions to health and disease. Designed as preparation for selected health sciences programs. (Grade or P/NP)
Prerequisites/Corequisites: Course Completion or Current Enrollment in ANAT 140
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. Recognize and discuss implications of anatomy and physiology for patient care, including relationship of body structures and functions to health and disease.

Objectives:
Upon completion of this course the student will be able to:
1. Discuss the importance of body planes and regions to patient care.
2. Discuss the relationship of homeostasis to specific elements of patient care.
3. Differentiate between healthy and compromised skin.
4. Discuss the implications of cell damage and necrosis for health care conditions.
5. Describe the possible effects of immobility on muscular skeletal system and other body systems.
6. Discuss implications of pain symptoms and relationship to vital signs.
7. Explain how the stress response is related to disease.
8. State health problems arising from loss of vision/hearing/balance.
9. Identify and describe health care problems related to heart and coronary artery disease.
10. Describe the local and systemic effects of inflammation and immune system dysfunction.
11. Describe common manifestations of respiratory disease and patient care implications.
12. State general manifestations of urinary disorders and discuss patient care implications.
13. Discuss the value of diet and nutrition and its relation to healing and contribution to diseases.
14. Discuss common manifestations of digestive system disorders and patient care implications.
15. Discuss common manifestations of reproductive disorders, male and female.

Topics and Scope:

I. Use of body planes and regions in patient care
II. Homeostasis and illness
   A. Maintaining homeostasis
   B. Fluid imbalance
III. Cells, tissue, and organs

A. Cellular adaptations
B. Cell damage and necrosis
C. Healthy and compromised skin

IV. Diagnostic tests
A. Lab analysis
B. Scopes and imaging

V. Muscular skeletal systems
A. Effects of immobility
B. Body mechanics

VI. Nervous system
A. Pain
B. Stress and disease
C. Motor dysfunction
D. Stroke

VII. Eye and ear
A. Working with patients with vision loss
B. Hearing loss issues
C. Balance issues

VIII. Endocrine system: hormonal imbalances

IX. Circulation
A. Alterations in blood pressure
B. Coronary artery and heart disease

X. Immune system
A. Inflammation and healing
B. Development and clinical signs and symptoms of infection
C. Auto immune disease

XI. Respiratory system
A. Gas exchange
B. Common manifestations of respiratory disease and patient care implications

XII. Urinary system disease process

XIII. Digestive system disease process

XIV. Reproductive system disease process

Assignment:

1. Read selected topics in textbook: approximately 8-10 pages per week
2. Complete weekly chapter assignments from textbook
3. Research paper (5-7 pages) on a disease and its associated patient care implications
4. Partner presentation to class on disease and the associated health care implications
5. Case studies (1-2) a week
6. Midterm exams (2) and final exam (1)

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.

Research paper, case studies	Writing 15 - 20%

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

Chapter assignments	Problem solving 15 - 20%

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

None	Skill Demonstrations 0 - 0%

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

Two midterms and one final exam	Exams 50 - 60%

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

Attendance and presentation	Other Category 10 - 20%

Representative Textbooks and Materials:
Anatomy, Physiology and Disease. 2nd ed. Colbert, Bruce and Ankney, Jeff and Lee, Karen. Pearson. 2013 (classic)
Instructor prepared materials