HIT 226
PRINCIPLES OF DISEASE

COURSE DESCRIPTION:

Prerequisites: BIO 168, BIO 169, HIT 122
Corequisites: None

This course covers disease etiology and organ system involvement, including physical signs and symptoms, prognoses, and common complications and their management. Topics include basic microbiology, basic pharmacology, and principles of disease. Upon completion, students should be able to relate disease processes to etiology, physical signs and symptoms, prognosis, and common complications and their management. Course Hours per Week: Class, 3. Semester Hours Credit, 3.

Note: Students must pass all Health Information Technologies (HIT) courses with a C (77% or better) to graduate from the program. No course is considered passed unless a C (77% or better) is obtained.

OUTLINE OF AHIMA KNOWLEDGE CLUSTERS COVERED IN THIS COURSE:

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

a. Distinguish common disease terms.
b. Distinguish major categories of human disease.
c. Know most common diagnostic tests and procedures.
d. Determine major disorders, diagnostic methods and treatments, including drug therapy and surgery of each body system to include those listed in the course outline.
e. Understand terms associated with basic pharmacology.
f. Know how communicable diseases are transmitted and controlled.
g. Know most common genetic disorders, their causes, method of diagnosis and treatments.

OUTLINE OF INSTRUCTION:

a. Introduction to Pathophysiology
b. Inflammation and healing
c. Immunity and healing of burns
d. Infection
e. Neoplasms
f. Fluid, Electrolyte and Acid-Base Imbalances
g. Congenital and Genetic Disorders
h. Diseases Associated with Adolescence
i. Potential Complications of Pregnancy
j. Aging and Disease Processes
k. Effects of Immobility
l. The Influence of Stress
m. Pain
n. Substance Abuse
o. Environmental Hazards
p. Introduction to Basic Pharmacology and Selected Therapies
q. Blood and Lymphatic Disorders
r. Cardiovascular Disorders
s. Respiratory Disorders
t. Digestive System Disorders
u. Urinary System Disorders
v. Acute Neurologic Disorders
w. Chronic Neurologic Disorders
x. Disorders of the Eye and Ear
y. Endocrine Disorders
z. Musculoskeletal Disorders
aa. Skin Disorders
bb. Reproductive System Disorders