

## **NOVA COLLEGE-WIDE COURSE CONTENT SUMMARY HLT 220 - CONCEPTS OF DISEASE (3 CR.)**

### **Course Description**

Emphasizes general principles, classifications, causes, and treatments of selected disease processes. Intended primarily for students enrolled in health technology programs. Lecture 3 hours per week.

### **General Course Purpose**

The purpose of this course is to educate students enrolled in health technology programs and others about the common diseases processes in humans. The course will cover the most common infectious and non-infectious diseases in the US. The course will also relate the disease to their socioeconomic impact and government regulation.

### **Course Prerequisites/Corequisites**

All students should have a background in anatomy and physiology or human biology. Familiarity with Medical Terminology is helpful, but not required.

### **Course Objectives**

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

- Differentiate between acute and chronic disease.
- Distinguish between infectious and non-infectious disease.
- Discuss disease prevention, screening and risk assessment.
- Apply the concept of infection transmission and control to specific disease states.
- Discuss the concepts of disease management.
- Describe terminology related to diseases.
- Apply epidemiological concepts of incidence, risk and surveillance.
- Discuss concepts of infection transmission and control.
- Discuss treatment options for common acute, chronic, infectious and non-infectious diseases and conditions.

### **Major Topics to be Included**

- Terminology related to infectious and non-infectious diseases
- Disease management
- Principles of health behavior change
- Common infectious diseases
- Common non-infectious diseases
- Endocrine disorders
- Evidence Based medicine
- Sexually transmitted diseases
- Cardiovascular diseases
- Musculoskeletal disorders
- Gastrointestinal system disorders
- Respiratory disorders
- Dermatology disorders