



General Course Information	
1a. Course Dept.:	OT
1b. Course Number:	101
2. Course Title:	Study of Human Diseases for Medical Assistants
3. Units:	3
4. This Course is:	Assoc Degree Applic. - Not transferable

Course Format and Duration	
5a. Course Length:	Full-semester
5b. Weekly Hours:	3 Lecture + 0 Activities + 0 Lab + 0 By Arrangement = Total Weekly Hours:3

Method of Instruction	
6. Instructional methods used to present course content.	
Lecture/Discussion	

Course Preparation	
7a. Corequisite(s):	None
7b. Prerequisite(s):	None
7c. Course Advisory:	SCC minimum English standard
8. Repeatability:	Not Repeatable
Additional Repeatability Info:	None

CATALOG DESCRIPTION AND OTHER CATALOG INFORMATION

9a. Catalog Description:

A study of the pathological process, imparting basic knowledge to paramedical personnel. The student will study the basic concepts, terminology, etiology and characteristics of pathological processes. Diseases are classified according to both causative agents and the body system to which they relate.

9b. Other Catalog information:

None

10. Student Performance Objectives:

As a result of successful completion of this course, a student will be able to:

1. Describe the basic functions of the human body organ systems and their interrelationships.
2. Apply the principles of medical terminology to the description of the processes of disease and injury.
3. Describe the basic concepts and characteristics of the disease process.
4. Demonstrate understanding of the relationship between the specific disease process and the classical (physical) signs it produces.

11. Methods of Evaluating Student Achievement:

Quizzes, essays, objective and practical exams will test the student's knowledge of medical terminology, the basic functions of the body, and the characteristics of disease and be able to demonstrate understanding of the interrelationships.

12. Student Assignments (Homework):**a. Required Reading Assignments:**

20-30 pages/week

b. Required Writing Assignments:

Appropriate examinations, reports, and homework assignments

c. Other (Terms projects, research papers, portfolios, etc.)

None

13. Course Content Outline:

Students will be required to use medical terminology to analyze, evaluate, compare and contrast the following concepts and techniques. Topics include but are not limited to:

I Causes of Disease

A) Introduction

B) Predisposing Factors

C) Hereditary Diseases

D) Infections

E) Trauma

F) Irritants and Chemical Agents

G) Neoplasia and Cancer

H) Immune-Related Factors

- I) Mental and Emotional Factors
 - J) Nutritional Imbalance
 - K) Idiopathic and Latrogenic Causes of Disease
- II Neoplasms
- A) Cancer Risk Factors and Preventive Measures
 - B) Classification
 - C) Grading and Staging
 - D) Etiology
 - E) Diagnosis
 - F) Treatment
- III Congenital Diseases
- A) Nervous System
 - B) Digestive System
 - C) Cardiovascular
 - D) Genitourinary
 - E) Musculoskeletal
 - F) Metabolic Errors
- IV Urinary System Diseases
- A) Kidney Diseases
 - B) Lower Urinary Tract Infections (Cystitis and Urethritis)
 - C) Neurogenic Bladder
 - D) Tumors of the Urinary System
 - E) Special Focus: Treatment of Renal Failure
 - F) Common Symptoms
- V Reproductive System Diseases
- A) Sexual Dysfunction
 - B) Sexually Transmitted Diseases (STDs)
 - C) Male Reproduction Diseases
 - D) Female Reproduction Diseases
 - E) Diseases of the Breasts
 - F) Special Focus: Breast Reconstruction
 - G) Disorders of Pregnancy and Delivery
 - H) Special Focus: Cesarean Birth
- VI Digestive System Diseases
- A) Upper Gastrointestinal Tract
 - B) Lower Gastrointestinal Tract
 - C) Accessory Organs of Digestion: Pancreas, Gallbladder, and Liver
 - D) Special Focus: Eating Disorders
 - E) Common Symptoms of Digestive System Diseases
- VII Respiratory System Diseases
- A) Epistaxis (Nosebleed)
 - B) Sinusitis
 - C) Acute and Chronic Pharyngitis
 - D) Acute and Chronic Laryngitis
 - E) Infectious Mononucleosis
 - F) Pneumonia
 - G) Legionella Infections (Legionnaires' Disease)
 - H) Lung Abscess

- I) Pneumothorax
- J) Pleurisy (Pleuritis)
- K) Pleural Effusion
- L) Chronic Obstructive Pulmonary Disease (COPD)
- M) Chronic Bronchitis
- N) Chronic Pulmonary Emphysema
- O) Asthma
- P) Pulmonary Tuberculosis
- Q) Pneumoconiosis
- R) Respiratory Mycoses
- S) Pulmonary Edema
- T) Cor Pulmonale
- U) Pulmonary Embolism
- V) Respiratory Acidosis (Hypercapnia)
- W) Atelectasis
- X) Bronchiectasis
- Y) Lung Cancer
- Z) Common Symptoms of Lung Diseases

VIII Circulatory System Diseases

- A) Rheumatic Fever
- B) Carditis
- C) Valvular Heart Disease
- D) Hypertensive Heart Disease: Essential Hypertension
- E) Coronary Artery Disease
- F) Angina Pectoris
- G) Myocardial Infarction (Heart Attack)
- H) Congestive Heart Failure
- I) Cardiac Arrest
- J) Blood Vessel Diseases
- K) Anemias
- L) Leukemias
- M) Lymphatic Diseases
- N) Common Symptoms of Circulatory System Diseases

IX Nervous Systems

- A) Headache
- B) Migraine Headache
- C) Head Trauma
- D) Hemiplegia
- E) Spinal Cord Injuries: Paraplegia and Quadriplegia
- F) Infections of the Central Nervous System
- G) Epilepsy
- H) Peripheral Nerve Diseases
- I) Cerebrovascular Accident (Stroke)
- J) Transient Ischemic Attacks
- K) Degenerative Diseases
- L) Tumors of the Brain
- M) Common Symptoms of Nervous System Diseases

X Endocrine System Diseases

- A) Pituitary Gland Diseases
- B) Thyroid Gland Diseases
- C) Parathyroid Gland Diseases
- D) Adrenal Gland Disease: Cushing's Syndrome

- E) Endocrine Dysfunction of the Pancreas: Diabetes Mellitus
- F) Common Symptoms of Endocrine System Diseases

XI Musculoskeletal Diseases

- A) Bones
- B) Joints
- C) Muscles and Connective Tissue
- D) Common Symptoms of Musculoskeletal Diseases

XII Skin Diseases

- A) Dermatitis
- B) Psoriasis
- C) Urticaria (Hives)
- D) Acne Vulgaris
- E) Alopecia
- F) Herpes-Related Skin Lesions
- G) Impetigo
- H) Furuncles and Carbuncles
- I) Pediculosis
- J) Decubitus Ulcers
- K) Dermatophytoses
- L) Corns and Calluses
- M) Warts
- N) Discoid Lupus Erythematosus
- O) Scleroderma
- P) Skin Carcinomas
- Q) Common Symptoms of Skin Diseases

XIII Eye and Ear Diseases

- A) Eye Diseases
- B) Common Symptoms of Eye Diseases
- C) Ear Diseases
- D) Common Symptoms of Ear Diseases

XIV Childhood Diseases

- A) Communicable Diseases of Childhood and Adolescence
- B) Respiratory Diseases
- C) Gastrointestinal Diseases
- D) Blood Diseases
- E) Reye's Syndrome
- F) Skin Diseases
- G) Ear and Eye Diseases

XV Pain and Its Management

- A) What is Pain
- B) Assessment
- C) Acute vs. Chronic
- D) Treatment

XVI Holistic Health

- A) Holistic Health and Holistic Medicine Defined
- B) Personal Responsibility
- C) Environmental Factors
- D) Influence of Lifestyle on Health and Diseases
- E) Managing Negative Emotions

- F) Stress and Distress
- G) The Value of Good Nutrition
- H) Laughter and Play
- I) Love, Friendship, Religion

XVII Review Anatomy

14a. All textbooks, resources and other materials used in this course are:

College level

14b. EXAMPLE texts, reading and resources:

Kapit. *Anatomy Coloring Book*. 2nd Edition
Harper Publishing, 1993

Tampard. *Deseases of Human Body*. 2nd Edition
Davis Company, 1995

General Education/Transfer Information

IGETC:

CSU:

SCC GE: