

SOUTHEAST COMMUNITY COLLEGE
HEALTH SCIENCES DIVISION
MEDICAL ASSISTING
Revision Date: 2/2025

I. CATALOG DESCRIPTION

Course Number MEDA 1404
Course Title: Human Diseases
Prerequisite(s): None

Catalog Description: Introduction to etiology, signs, and symptoms, diagnosis and treatments of disease as related to the body systems. Includes introduction to immunity, infectious diseases, neoplasm, heredity, and nutrition as they relate to the disease process.

Credit Hours: 3
Class Hours: 45
Lab Hours: 0
Total Contact Hours: 45

II. COURSE OBJECTIVES : *Course will:*

1. Identify the symptoms and causes of common diseases and conditions.
2. Understand the mechanisms of disease processes.
3. Appreciate the significance of signs and symptoms as the expression of disease.

III. STUDENT LEARNING OUTCOMES AND GENERAL EDUCATION LEARNING OUTCOMES

A. STUDENT LEARNING OUTCOMES: *Students will be able to:*

1. Define disease and disease related terms
2. Define and discuss the manifestations of disease
3. Define immunity
4. Explain how diseases are transmitted
5. Define genetic diseases
6. Describe normal structure and function of the different body systems
7. Describe the key characteristics of diseases
8. Explain etiologies of disease

B. GENERAL EDUCATION LEARNING OUTCOMES (GELOs)

GELO 3: Critical Thinking and Problem Solving

Synthesize information to arrive at reasoned solutions to problems.

C. ENTRY LEVEL COMPETENCIES FOR MEDICAL ASSISTING STUDENTS (taken from CAAHEP's 2022 Standards and Guidelines for Medical Assisting Programs)

1. I.C.8. Identify Common Pathology related to each body system including signs, symptoms, etiology, diagnostic measures, and treatment modalities**Body systems must include—but are not limited to—the following: Circulatory, Digestive, Endocrine, Integumentary, Lymphatic, Muscular, Nervous, Sensory, Reproductive, Respiratory, Skeletal, and Urinary
2. III.C.2. Identify the infection cycle including the infectious agent, reservoir, susceptible

host, means of transmission, portals of entry, portals of exit.

3. IV.C.3. Identify the special dietary needs for weight control, diabetes, cardiovascular disease, hypertension, cancer, lactose sensitivity, gluten-free, food allergies and eating disorders

IV. CONTENT/TOPICAL OUTLINE (*course outline may provide more detailed information*)

- A. Introduction to Disease, Immunity and Disease, Infectious Diseases, Cancer, Heredity and Disease, Diseases and Disorders of the Cardiovascular System, Blood, Respiratory, Gastrointestinal, Urinary, Reproductive, Endocrine and Nervous Systems, Eye, Ear, Mental disorders, Musculoskeletal and Integumentary Systems.

V. INSTRUCTIONAL MATERIALS

- A. **Required Text(s):**
Neighbors, M., Tannehill Jones, R. *Human Diseases*, (current edition), Cengage.

VI. METHODS OF PRESENTATION/INSTRUCTION

- A. Methods of presentation typically include a combination of the following: Lecture, discussion, handouts, videos, and PowerPoint presentations

VII. METHODS OF EVALUATION- See Course Information Document

SCC STANDARD GRADING SCALE POLICY:

A+	95-100	C+	75-79
A	90-94	C	70-74
B+	85-89	D+	65-69
B	80-84	D	60-64
		F	Below 60

The minimum expectation for the Medical Assisting Program is to prepare medical assistants who are competent in the cognitive (knowledge), psychomotor (skills), and affective (behavior) learning domains to enter the profession (CAAHEP 2022 Standards and Guidelines).

All Medical Assisting Program students must pass 100% of the MAERB Core Curriculum cognitive objectives and psychomotor and affective competencies in order to complete the course and progress in the Program and graduate.

Medical Assisting Program students must receive a minimum grade average of a 75% (C+) in this course.

VIII. SPECIFIC COURSE REQUIREMENTS- See Course Information Document