



CATALOG DESCRIPTION: This course is an introduction to the structure and function of the human body and its fluctuating health states. Focus is on the fundamentals of the various body systems and the principles of the disease process involved.

PREREQUISITE(S): None

COREQUISITE(S): MED 677

CREDITS: 3

HOURS: 3.5 (60 classroom hours)

*last class session 4 hours

REQUIRED TEXT(S): Rizzo, D. Fundamentals of Anatomy and Physiology, 4th Edition

CENGAGE COURSE KEY:

SUPPLEMENTAL MATERIALS:

INSTRUCTOR INFORMATION:

OFFICE HOURS:

CORE COMPETENCIES: The following core competencies are embedded in this curriculum: Communicate effectively in both speech and writing; Use scientific method of inquiry, through the acquisition of scientific knowledge; Understand ethical issues and



situations; Address an information need by locating, evaluating, and effectively using information.	
LEARNING ASSESSMENT	
<i>Student Learning Outcomes:</i>	<i>Suggested Means of Assessment:</i>
Identify and describe the structural organization of the human body, including the structure and function of specific organs within each body system and the body planes, directional terms, quadrants, and cavities	Written exams, practical lab exercises
Identify common pathology related to each body system, analyzing pathology as it relates to the interaction of body systems	Written exams, pathophysiology research papers & presentations
Apply critical thinking skills in performing complete anatomical assessment	Practical lab exercises
Recognize the role of dietary nutrients, including the purpose and function of dietary supplements as they relate to the nutritional and dietary needs for various health concerns	Written exams, graded assignments
Understand the scientific method of inquiry and how to develop a hypothesis	Written exams, graded assignments, and practical lab exercises
Demonstrate proper procedures for following ethical guidelines when it comes to the identification and reporting of anatomical, pathological, and physiological changes, defects, and disorders of patients in the healthcare environment and through scientific research	Written exams, pathophysiology research papers and presentations
Demonstrate awareness and respect for patients with physical abnormalities due to congenital or acquired anatomical defects	Written exams, pathophysiology research papers and presentations
GRADING SYSTEM:	
A = 90 < 100	C+ = 77 < 80
B+ = 87 < 90	C = 75 < 77
B = 80 < 87	F = Below 75

DISABILITY SERVICES STATEMENT: Warren County Community College is committed to providing all students equal access to learning opportunities. Student Services is the campus office that works with students who have disabilities to provide and/or arrange reasonable accommodations. Students who have, or think they may have, a disability (e.g. mental health, learning, vision, hearing, physical or systemic), are invited to contact Student Services to arrange a confidential discussion at (908) 835-2300 or by email at StudentServices@warren.edu as soon as possible. Students registered for Disability Services with Student Services, who have



requested accommodations for the current semester will be provided with an electronic letter detailing individual accommodations and are encouraged to contact the instructor early in the semester to discuss accommodations outlined in their letter.

INSTRUCTIONAL SUPPORT CENTER: The Instructional Support Center (ISC), located in Room 105 across from the library, provides academic support at no cost to WCCC students and is available for courses in which they are currently enrolled. The ISC is staffed with trained professional and peer tutors who are ready to help you understand and succeed. For scheduling or further information, visit the ISC in person, online at <http://www.warren.edu/tutoring/> or by telephone at (908)835-2354.

STATEMENT AND POLICY ON CHEATING, PLAGIARISM AND ACADEMIC DISHONESTY: Students are required to perform all the work specified by the instructor and are responsible for the content and integrity of all academic work submitted. A violation of academic integrity will occur if a student: (1) knowingly represents work of others as one's own, (2) uses or obtains unauthorized assistance in any academic work, (3) gives fraudulent assistance to another student, or (4) furnishes false information or other misuse of college documents.

In cases of suspected violation of academic integrity, the incident is to be reported to the Office of Academics. A student found guilty of violating the rule of academic integrity by the Vice President of Academics will be considered to have failed in personal obligation to the College; such failure will be subject to disciplinary action by the College. Unless otherwise notified, the instructor will allow students who are pending disciplinary action to attend class.

REQUIRED FORMAT FOR RESEARCH PAPERS: Research papers written for any Warren County Community College class must conform to the required documentation style. Papers written for humanities (and some social science) classes will follow the most recent edition of the Modern Language Association (MLA) in-text citation and bibliographic methods. Social science and science papers will require the use of the most recent edition of the American Psychological Association (APA) in-text citation and bibliographic methods.

Please consult with your instructor regarding the correct documentation style to use in his/her class.

ATTENDANCE POLICY: Students are expected to attend all class sessions of courses in which they are enrolled and are responsible for all material presented in class and all homework assignments.

Grades are based on the quality of work completed in meeting the requirements for a particular course, as stated in the course syllabus and catalog description.

Excessive absence may be considered sufficient cause for dismissal from class by an instructor or other appropriate college staff member. Any decision to exclude a student from class or the College due to excessive absence shall be subject to review by the President in accordance with established procedures. Students who have not attended class are not entitled to a refund of tuition.



WCCC HAYTAIAN & MAIER LIBRARY

Text: 908-652-4445

Email: lstoll@warren.edu

<http://warren.libguides.com>

Please see the library's website above for current semester hours.

The WCCC Library offers a wide range of services to students specific to the information literacy goals of the College which includes suggesting research strategies, facilitating the use of both digital and print resources, as well as assisting students with citations to avoid plagiarism.

The library also serves as the College's computer space, with computers for students to use when the library is open. Students also have free, unlimited printing from the College's computers, as well as space to study.

The library is where students can get their college student ID cards. All students are required to get a student ID card and carry it while on campus for security purposes. To get a student ID card, you must bring another form of ID to the library. You may also be asked to bring a printed copy of your current class schedule. You can get a student ID card any time that the library is open. These cards do not expire and can be used for your duration at WCCC.

Additionally, the library participates in a national inter-library loan program which is available free to all students and faculty. You can submit ILL requests by emailing the librarian or by stopping by the library's circulation desk.

TOPICAL OUTLINE:

Structure and Function of the Human Body, including all body systems and organs within those systems: Body organization, Tissues, Integumentary, Skeletal, Muscular, Endocrine, Nervous, Special Senses, Blood, Heart, Cardiovascular, Lymphatic and Immune, Respiratory, Digestive, Temperature & Metabolism, Urinary, Male Reproductive, Female Reproductive, OB/GYN. Scientific Methods.

The following MAERB Core Curriculum Competencies are taught and assessed in this course:

Cognitive Domain

I.C. 1-Identify structural organization of the human body

I.C. 2-Identify Body Systems*

I.C. 3-Identify:

- a. body planes**
- b. directional terms**
- c. quadrants**
- d. body cavities**

I.C. 4-Identify major organs in each body system*



I.C. 5-Identify the anatomical location of major organs in each body system*

I.C. 6-Identify the structure and function of the human body across the life span

I.C. 7-Identify the normal function of each body system

I.C. 8-Identify common pathology related to each body system including:

- a. signs
- b. symptoms
- c. etiology
- d. diagnostic measures
- e. treatment modalities

IV.C. 1-Identify dietary nutrients including:

- a. carbohydrates
- b. fat
- c. protein
- d. minerals
- e. electrolytes
- f. vitamins
- g. fiber
- h. water

IV.C. 2-Identify the functions of dietary supplements

IV.C. 3-Identify the special dietary needs for:

- a. weight control
- b. diabetes
- c. cardiovascular disease
- d. hypertension
- e. cancer
- f. lactose-sensitivity
- g. gluten-free
- h. food allergies
- i. eating disorders

IV.C.4-Identify the components of a food label

*Body systems must include, but are not limited to, the following: Circulatory, Digestive, Endocrine, Integumentary, Lymphatic, Muscular, Nervous, Sensory, Reproductive, Respiratory, Skeletal, and Urinary.

Performance Domain

IV.P. 1-Instruct a patient regarding a dietary change related to patients' special dietary needs.



METHODS OF EVALUATION: Tests, Quizzes, Class Participation, Papers/Projects, Final Examination, and Work Products which assess the cognitive, psychomotor, and affective domains.

GRADING SYSTEM:

Tests and Quizzes	50%
Papers/Projects/Work Products	20%
Class Participation	5%
Final Exam	25%

CAAHEP requires that medical assisting students pass 100% of all psychomotor and affective domain objectives and competencies in order to be eligible for program completion. 75% or higher is considered passing for all courses and related competencies. Students may make 3 attempts to successfully complete each work product competency.

LATE WORK POLICY:

Late work is unacceptable unless prior arrangements have been made with the appropriate instructor.

MISSED EXAM POLICY:

Scheduled exams cannot be cut. Illness and excused absences are the exceptions. Absence for an exam or quiz will result in a 10% grade deduction on that assessment.

Students who miss a scheduled examination must make arrangements with the instructor and/or the ISC department to schedule a time to make up that exam.

Class Participation includes attendance. Students will realize a 10% deduction for each absence. In order to achieve full credit for Participation, students must attend all scheduled sessions, come to class prepared, and participate fully

*Please refer to Medical Assisting Program Policy in the Medical Assisting Handbook.

ITINERARY:

Unit	Chapter
1	Orientation, Ch. 1-The Human Body / Ch. 2 – The Chemistry of Life
2	Ch. 3 – Cells / Ch. 5 - Tissues
3	<i>Review Chapters 1,2,3,4</i> Ch. 6 – Integumentary System
4	<i>Test #1</i>



	Ch. 7 – Skeletal System/Ch. 8 Articular System	
5	<i>Test #2</i> Ch. 8 – Muscular System	
6	<i>Test #3</i> Ch. 12– Endocrine System	
7	<i>Test #4</i> Ch. 10 & 11 – Nervous System	
8	Special Senses	
9	<i>Test #5</i> Ch. 13 Blood / Ch. 14 Cardiovascular Circulatory System	
10	Ch. 14– Cardiovascular System Ch. 15– Lymphatic Circulatory System	
11	<i>Test #6</i> Ch. 17 – Respiratory System	
12	Ch. 16 – Nutrition and Digestive System Temperature & Metabolism	
13	<i>Test #7</i> Ch. 18 – Urinary System	
14	<i>Test #8</i> Ch. 19 - Male Reproductive System	
15	<i>Test #9</i> Ch. 19– Female Reproductive System and OB/GYN	
16	<i>Test #10</i> Review for final exam	
17	Final Exam	