

COURSE OUTLINE

Revision: Carey Schroyer May 2008

DEPARTMENT:	Academic Programs
CURRICULUM:	The Natural World
COURSE TITLE:	Human Anatomy and Physiology II
COURSE NUMBER:	BIOL& 242
TYPE OF COURSE:	Academic Transfer
Special Requirement Met:	None
AREA(S) OF KNOWLEDGE:	The Living World
COURSE LENGTH:	1 quarter
CREDIT HOURS:	5
LECTURE HOURS:	33
LAB HOURS:	44
CLASS SIZE:	27
PREREQUISITES:	Human Anatomy and Physiology I or Instructor's permission

COURSE DESCRIPTION:

BIOL& 242 is the final course in this two course series. Lecture and lab exercises cover fundamental principles and establish a basis for advanced study of anatomy and physiology and clinically related subjects in the paramedical fields. This course is intended for students wishing to go into health science related fields and into professional research programs. Lab included.

STUDENT LEARNING OUTCOMES ADDRESSED:

1. Communication - Read and listen actively to learn and communicate.
2. Human Relations - Use social interactive skills to work in groups. Learn to work in teams with others to achieve goals in health fields.
3. Critical Thinking and Problem Solving - Think critically in evaluating information, solving problems and making decisions.
4. Personal Responsibility - Be motivated and able to continue learning and adapt to change. Be aware of ethical issues.
5. Information Literacy - Access and evaluate information from a variety of sources and contexts, including technology.

GENERAL COURSE OBJECTIVES:

At the end of the course the student will:

1. Be able to identify and define the components of the Endocrine System and their role in maintaining homeostasis within the body.
2. Be able to identify and define the components of the Cardiovascular system (including blood, blood vessels, heart and lymphatic system) and their roles in maintaining homeostasis within the body.
3. Be able to identify and define the components of the Respiratory system and the Digestive systems and their role in maintaining homeostasis within the body.
4. Be able to identify and define components of the Urinary and Reproductive Systems (both male and female) and their role in maintaining homeostasis within the body.
5. Be able to illustrate how all the body systems integrate and form a functioning organism as well as potential consequences and diseases resulting from non integration and/or breakdown of any of the above body systems.
6. Appropriately, use the compound light microscopes, utilize the basic principles of dissection, and utilize technological based physiology labs and wet labs.
7. Be able to utilize this knowledge towards completion of a career in an allied health science field such as dental hygiene, nursing, radiological technician, occupational therapy or any similar program.

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TOPICAL OUTLINE:	APPROX. HOURS
I. Special Senses	7
II. Endocrine System	12
III. Blood and Circulatory System	12
IV. Lymphatic and Immune System	12
V. Digestive System	12
VI. Respiratory System	10
VII. Reproductive System	12
Total hours	77

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SLO #	Included in Course Objective Number	SSCC Student Learning Outcomes
SLO 1.1	1,2,3,4	Communication - Read and listen actively
SLO 1.2	1,2,3,4	Communication - Speak and write effectively
SLO 2.1		Computation - Use mathematical operations
SLO 2.2		Computation - Apply quantitative skills
SLO 2.3		Computation - Identify, interpret, and utilize higher level mathematical and cognitive skills
SLO 3.1	6,7	Human Relations - Use social interactive skills to work in groups effectively
SLO 3.2		Human Relations - Recognize the diversity of cultural influences and values
SLO 4.1	5	Critical Thinking and Problem Solving -
SLO 5.1		Technology - Select and use appropriate technological tools
SLO 6.1	7	Personal Responsibility - Be motivated and able to continue learning and adapt to change
SLO 6.2		Personal Responsibility - Value one's own skills, abilities, ideas and art
SLO 6.3		Personal Responsibility - Take pride in one's work
SLO 6.4		Personal Responsibility - Manage personal health and safety
SLO 6.5	7	Personal Responsibility - Be aware of civic and environmental issues
SLO 7.1		Information Literacy - Access and evaluate information
SLO 7.2	7	Information Literacy - Use information to achieve personal, academic, and career goals, as well as to participate in a democratic society

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