

## **Itawamba Community College**

**PREFIX & NUMBER:** BIO 2524 (Lecture and lab)

**CREDIT:** 4 Hours credit

**TEXT BOOK :** Hole's Human Anatomy and Physiology, 14<sup>th</sup> edition by Shier

### **COURSE DESCRIPTION**

This course is designed to provide an introduction to human biology encompassing studies of the special senses, endocrine, digestive, respiratory, cardiovascular, urinary, lymphatic, reproductive systems, genetics and fluid, electrolyte and acid-base equilibrium.

### **GRADING SCALE**

A 89.5-100%

B 79.5-89.4%

C 69.5-79.4%

D 59.5-69.4%

F Below 59.5%

I Incompletes will be given only with a doctor's excuse

### **Goals and Objectives:**

Orientation

Module 1: Special Senses

Module 2: Endocrine System

Module 3: Blood

Module 4: Cardiovascular System

Module 5: Lymphatic System

**Mid-Term      Mid-Term Exam – Comprehensive (Units 1-5) (On Campus or Proctored)**  
**25% of your final grade**

Module 7: Digestive System

Module 8: Respiratory System

Module 9: Urinary System

Module 10: Electrolytes

Module 11: Reproductive System

**Final Comprehensive exam (On Campus or Proctored)**  
**37.5% of your final grade**

**Lab**

Module # 1 Special Senses

Module # 2 Endocrine System

Module # 3 Blood and Blood Typing

Module # 4 Heart, Blood Pressure and Heart Rate

Module # 5 Veins and Arteries

**Mid Term Lab Exam (Labs 1-5) (On Campus or Proctored) 350 Points**

Module #7 Digestive System Anatomy and Enzymes

Module #8 Heart Dissection, Hepatic Portal System and Blood Flow

Module # 9 Respiratory System Anatomy and Lung Volume

Module # 10 Acid-Base Balance

Module # 11 Reproductive System and STD's

**Final Exam (Labs 7-11) (On Campus or Proctored) (500 Points)**

**METHOD OF EVALUATION**

The number of points earned on assignments and exams determines your final grade.

Module lecture and lab assignments (3.75% /module) x 10	= 37.5% of your grade
Mid-term lecture and lab exam	= 25% of your final grade
Final lecture and lab exam	= <u>37.5% of your final grade</u>
	= <b>100%</b>

All work must be turned in on time.

**In order to be considered present for the week, the lecture practice and lab practice quiz must be successfully submitted with a grade.** Absences will be recorded after the assignments are checked.

**CHEATING**

Cheating, in any form, will not be tolerated, and will be handled following established college procedure.

### First Offense at the College

The student will receive a '0' for the assignment, test, project, etc. The student may not drop this grade.

### Second Offense at the College

Student will receive an 'F' for the course.

### Third Offense at the College

Student will be suspended from the college for two calendar years.

## **ADA Statement**

*In accordance with section 504 of the Rehabilitation Act of 1973 and the Americans with Disabilities Act of 1990 (ADA), a student with a documented disability may apply to the Office of Supportive and Disability Services for accommodations. The OSDS on the Tupelo Campus is located in the Student Services Building, and the phone number is 662.620.5314. On the Fulton Campus, the OSDS is located in Room 4 of the Business Education Building, and the number is 662.862.8173.*

## **Unit Learning Outcomes: Natural Science Division**

The Natural Science division facilitates student learning in Biology, Chemistry, and Physics. Courses may be used as academic transfer credit and credit in two-year programs at Itawamba Community College.

1. Students will demonstrate a command of reading and organizing information within an appropriate scientific context through performance on tests and/or writing assignments.
2. Students will write assignments and/or laboratory responses which reflect the application of scientific reasoning as it pertains to controlled environments and/or real life situations.
3. Students will demonstrate the ability to communicate in clear, coherent, and scientifically appropriate language.
4. Students will demonstrate effective listening skills to acquire information through performance on quizzes, tests, and exams.
5. Students will demonstrate the understanding and utilization of skills essential for productive interaction through small group assignments, laboratory experiments, and/or power point presentations.
6. Students will demonstrate technological competence and computer literacy through basic use of word processing, spreadsheet, presentation, communication, and/or database/interface software.
7. Students will demonstrate quantitative literacy through the utilization of laboratory equipment, calculators, graphs, charts, and/or tables to summarize, analyze, and interpret information.

## **Course Learning Outcomes**

1. The student will identify and use appropriate terminology pertaining to Anatomy and Physiology II – special senses, the endocrine system, the digestive systems, the respiratory system, the cardiovascular system, the lymphatic system, the urinary system, the reproductive system, electrolytes and water balance, and human growth and development -- as demonstrated through performance on quizzes, chapter tests, final examinations, and written assignments

Linked to ULO: 1, 2 & 4

Means of Assessment:

- Assignments # 1-10 (All items)
- Discussion Board 1-10
- On-Line Lecture and Lab weekly activities
- Mid-Term and Final Exam

2. The student will demonstrate mastery of basic principles pertaining to topics covered in Anatomy and Physiology II- special senses, the endocrine system, the digestive systems, the respiratory system, the cardiovascular system, the lymphatic system, the urinary system, the reproductive system, electrolytes and water balance, and human growth and development - as demonstrated through performance on quizzes, chapter tests, final examinations, and written assignments.

Linked to ULO: 1, 2, & 4

Means of Assessment:

- Assignments # 1-10 (All items)
- Discussion Board 1-10
- On-Line Lecture and Lab weekly activities
- Mid-Term and Final Exam

3. The student will write short answer essays and/or other writing assignments that reflect an understanding of the relationship between anatomy and physiology in relation to the following body systems- special senses, endocrine, digestive, respiratory, cardiovascular, lymphatic, urinary, and reproductive.

Linked to ULO: 1 & 2

Means of Assessment: Discussion Board Assignments 1-10

4. The student will read textbook material and at least two outside articles and demonstrate an understanding of the contents through performance on quizzes, tests, exams, and/or writing assignments.

Linked to ULO: 1

Means of Assessment:

- Assignments 1-10
- On-Line Lecture and Lab weekly activities
- Mid-Term and Final Exam
- Discussion Board Assignments 1-10

5. The student will demonstrate an understanding of the appropriate use of laboratory equipment required for Anatomy and Physiology II laboratory exercises.

Linked to ULO: 7

Means of Assessment:

Assignment 7 Lab

CardioPhysiology web site questions 1-13

6. The student will demonstrate the ability to work in small groups toward the accomplishment of a set task through performance on monitoring weekly chapter summaries and discussions.

Linked to ULO: 6

Means of Assessment: Discussion Boards, assignments 1-10

7. The student will become acquainted with the resources available at the Hole's "Student Online Learning Center" and demonstrate technological competence through the completion of assignments, quizzes, and activities available.

Linked to ULO: 7

Means of Assessment: Assignments 1-10