

## Eastern WV Community & Technical College Master Course Record

<b>Course Prefix and Number:</b> BIO 124 BIO 124L
<b>Course Title:</b> Human Anatomy and Physiology I Human Anatomy and Physiology I Lab
<b>Recommended Transcript Title:</b> Human Anatomy and Physiology I Human Anatomy and Physiology I Lab
<b>Date Approved/Revised:</b> 5/4/07; 12/12/11; 1/ 28/15; 10/ 5/17
<b>Credit Hours:</b> BIO 124 3 credit hour lecture BIO 124L 1 credit hour lab
<b>Contact hours per week (Based on 15 week term):</b> <b>Lecture:</b> 3 <b>Lab:</b> 2
<b>Prerequisite:</b> ENL 100 OR minimum acceptable test scores for placement in college-level English. <b>Corequisite:</b> BIO 124 and BIO 124L <b>Pre/Corequisite:</b>
<b>Grading Mode:</b> Letter Grade
<b>Catalog Description:</b> <b>BIO 124</b> – An anatomy-physiology course that examines the general plan of body cells, tissues, and six major systems. Includes the function of integumentary, skeletal muscular, nervous, somatic and special senses, and the endocrine systems. A laboratory course designed to unify basic concepts of inorganic and organic chemistry to bring about a better understanding of the structure and function of the human body as relevant to health care.
<b>BIO 124L</b> Human Anatomy and Physiology I – Lab applications and demonstration of the concepts presented in BIO 124 Human Anatomy and Physiology.
<b>Course Outcomes:</b> The student will: <ol style="list-style-type: none"> <li>1. Develop a vocabulary of appropriate terminology to effectively communicate information related to anatomy and physiology.</li> <li>2. Recognize the anatomical structures and explain the physiological functions of body systems.</li> <li>3. Recognize and explain the principle of homeostasis and the use of feedback loops to control physiological systems in the human body.</li> <li>4. Use anatomical knowledge to predict physiological consequences, and use knowledge of function to predict the features of anatomical structures.</li> <li>5. Recognize and explain the interrelationships within and between anatomical and physiological systems of the human body.</li> <li>6. Synthesize ideas to make a connection between knowledge of anatomy and physiology and real-world situations, including healthy lifestyle decisions and homeostatic imbalances.</li> <li>7. Demonstrate laboratory procedures used to examine anatomical structures and evaluate physiological functions of each organ system.</li> </ol>

Course Number & Title: BIO 124 Anatomy & Physiology I & BIO 124L Anatomy & Physiology I Lab

Date Prepared/Revised: 12/11/06; 12/11; 9/8/17

Date Course Approved by Curriculum Committee: 10/5/17

Date Course Approved by LOT: 5/10/07; 1/ 28/15; 10/16/17

8. Interpret graphs of anatomical and physiological data.
<b>Implementation Cycle:</b> Fall
<b>Role in College Curriculum: (Check all that apply)</b> <input checked="" type="checkbox"/> <b>General Education Core Nursing</b> <input type="checkbox"/> <b>Technical Core (Specify Program)</b> <input type="checkbox"/> <b>Restricted Elective (Specify Program)</b> <input checked="" type="checkbox"/> <b>General Elective:</b> A.A., A.S. Lab Science <input type="checkbox"/> <b>Workforce Education</b> <input type="checkbox"/> <b>Other (Please specify)</b>
<b>Course Fee:</b> Yes, lab fee – 20.00
<b>Instructor's Qualifications:</b> Master's degree with 18 hours in related sciences
<b>Expanded Course:</b> Lecture, class discussion and class participation will be the main instructional procedures for the lecture portion of this course. A lab will be conducted to examine the bodies systems.

Prepared by: Debra Backus

Reviewed by: Scott Hammer

Revised by: Amo Oliverio, Science Faculty, 10/5/17

Approved by:

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Dean of Teaching and Learning

Date