BIOL2260 - Human Anatomy and Physiology I

Credits:	3 (3/0/0)
Description:	Meets MnTC Goal Area 3. This course is a comprehensive introductory overview of human anatomy and physiology that includes basic fundamental concepts of cell biology, tissues and organs making up the integumentary, skeletal, muscular and nervous systems. It is the first of a two-semester sequence in which anatomy and physiology are studied with an emphasis on structure and functions of systems. This course contains a lab-like component.
Prerequisites:	• Assessment into ENGL 1101 or college level writing equivalent.
Corequisites:	
Pre/Corequisites*:	
Competencies:	1. Apply descriptive anatomical and directional terminology to the human body. 2. Explain the levels of organization in the body, and the concepts of homeostasis and feedback. 3. Outline the major characteristics of life. 4. Characterize the major classes of biomolecules in the body. 5. Compare and contrast the major cell organelles and their functions. 6. Outline the major methods of cellular transport. 7. Identify and summarize the basic tissue types within the body, their locations, principal characteristics and functions. 8. Analyze the components of the integumentary system and their functions. 9. Analyze the components of the skeletal system and their functions. 10. Classify, compare and contrast the structure of joints, their components, and locations. 11. Analyze the components of the nervous system and their functions. 12. Analyze how the components of the special senses function. 13. Summarize various pathologies of the organ systems discussed. 14. Analyze the components of the muscular system and their functions.
MnTC goal areas:	3. Natural Sciences

**Can be taking as a Prerequisite or Corequisite.*

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