BIOL2262 - Human Anatomy and Physiology II

Credits:	3 (3/0/0)
Description:	Meets MnTC Goal Area 3. This course is a continuation of Anatomy and Physiology I. Topics will include the study of cells, tissues and organs making up the endocrine, cardiovascular, lymphatic and immune, respiratory, digestive, urinary and reproductive systems. Emphasis is on the structure and function of included systems. This course contains a lab-like component.
Prerequisites:	• Assessment into ENGL 1101 or college level writing equivalent. • BIOL2260
Corequisites:	
Pre/Corequisites*:	
Competencies:	1. Apply descriptive anatomical and directional terminology to the human body. 2. Apply the concepts of homeostasis and feedback to the organ systems covered in this course. 3. Classify the components of the blood. 4. Outline the structure and function of the heart. 5. Compare and contrast the structure of blood vessels. 6. Identify the endocrine glands and the effects of major hormones of each gland. 7. Analyze the components of the digestive system and their functions. 8. Analyze the components of the respiratory system and their functions. 9. Identify the locations of major lymphatic vessels. 10. Describe the general function of the lymphatic system. 11. Analyze the components of the urinary system and their functions. 12. Explain fluid and electrolyte balance and relate their importance. 13. Analyze the components of the female reproductive system and their functions. 14. Analyze the components of the male reproductive system and their functions. 15. Summarize various pathologies of the organ systems discussed. 16. Outline the sequence of hemostasis. 17. Summarize blood pressure influences and controls. 18. Summarize specific and non-specific body defenses and immunity.
MnTC goal areas:	3. Natural Sciences

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

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