



# Course Outcome Summary

**Standard Course**

## **BIOL 258 Anatomy & Physiology II**

### **Course Information**

<b>Division</b>	<b>Science/Mathematics</b>
<b>Contact Hours</b>	<b>90</b>
<b>Theory</b>	<b>45</b>
<b>Lab Hours</b>	<b>45</b>
<b>Total Credits</b>	<b>4</b>

**Prerequisites**                      **BIOL 257**

### **Course Description**

A continuation of BIOL 257, this course covers the anatomy and physiology of the human endocrine, circulatory, respiratory, digestive, renal, and reproductive systems. This course is required for all students in the Health Sciences curriculum. Course requires laboratory work. Dissection of preserved animal specimens is required.

### **Course Outcomes**

In order to evidence success in this course, students will be able to:

1. Identify and describe the structures of the endocrine system including the hormones released and their actions and targets
2. Describe the components of blood and their functions
3. Identify and describe the structures of the cardiovascular system including the structures of the heart and the structures and course of the blood vessels.
4. Describe the cardiac cycle
5. Measure and describe the various blood pressures.
6. Understand describe blood pressure regulation and its relationship to the function of the cardiovascular system and fluid homeostasis
7. Identify and describe the structures of the lymphatic system and its role in immune function
8. Explain and distinguish between innate and adaptive immunity and the mechanisms of each
9. Identify and describe the structures of the respiratory system and explain their function
10. Identify and describe the structures of the digestive system and explain their function
11. Explain the process of digestion and absorption of nutrients and describe the various nutrients and how they are used by the body
12. Identify and describe the structures of the urinary system and explain their function
13. Explain acid/base and fluid homeostasis
14. Identify and describe the structures of the male and female reproductive systems
15. Explain the female reproductive cycle and the major events of pregnancy and fetal development

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By: PAW