

# BIOL 252: Human Anatomy II

*This detailed course description provides information about course topics & content. It is not a course syllabus. Summer 2013 course syllabi are updated in the spring, and may not be available until summer classes begin.*

## Instructor Information

Instructor	Email	Course Format	Number of Credits
Wendy Rappazzo	wrappazzo@harford.edu	Lecture	3

## General Information

### Delivery Format

In-Person

### Prerequisite /Co-requisite:

BIOL251

## Course Materials

### Currently Used Materials

- Human Anatomy and Physiology, Elaine Marieb, 9th edition

## Course Objectives/Learning Outcomes:

1. Recall and correctly use anatomical terminology and explain physiological processes clearly and accurately.
2. Recall, explain the function, and recognize disorders of the major hormones, neurotransmitters, and enzymes and their functioning in the cardiovascular, immune, respiratory, digestive, urinary, & reproductive systems and metabolic processes.
3. Visually identify, correctly spell, and describe the gross and microscopic anatomy of the organs and structures of the cardiovascular, immune, respiratory, digestive, urinary, & reproductive systems.
4. Describe and evaluate the physiology and maintenance of homeostasis for each of the major systems studied and be able to apply that information in clinical examples via case studies.
5. Describe and summarize the chemical and mechanical mechanisms used to maintain homeostasis in the following areas: heart rate, hemodynamics, circulation, respiration, energetics, body temperature, and body fluid pH.

## Potential Topics Covered:

The anatomy and physiology of each human body system will be covered in this sequence:

1. Endocrine
2. Cardiovascular

3. Lymphatic/Immune
4. Respiratory
5. Digestive
6. Urinary
7. Reproductive
8. Human Embryonic Development

## **Additional Information and Resources**

This course will require access to Mastering Anatomy, the online text companion site for the textbook.