



Course Name: Anatomy and Physiology II

Course Number: BIO* E212

Credits: 4

Catalog description: A continuation of Anatomy and Physiology I. Lecture and laboratory will stress the structure and functional aspects of the endocrine, blood, cardiovascular, lymphatic/immune, respiratory, digestive, urinary, and reproductive systems. Metabolism, fluid and electrolyte balance, and development and inheritance are also included. Lab deals with histological and detailed anatomical evaluation of body systems indicated above.

3 hours of lecture and 3 hours of laboratory.

Prerequisite: Grade of “C” or better in both ENG*101 and BIO*211

General Education Competencies Satisfied:

HCC General Education Requirement Designated Competency Attribute Code(s):

None

Additional CSCU General Education Requirements for CSCU Transfer Degree Programs:

None

Embedded Competency(ies):

None

Discipline-Specific Attribute Code(s):

SCI Science elective

Course objectives:

General Education Goals and Outcomes:

None.

Course Specific Objectives:

1. Demonstrate knowledge of basic chemical & biological principles governing human life.
2. Demonstrate knowledge of specific details of human anatomy and physiology.



3. Acquire skills in the use of anatomical, physiological, and pathological terminology.
4. Acquire basic laboratory skills in microscopy, physiological experiments and science software.

Course Content:

Lecture

1. Endocrine System
2. Cardiovascular System
3. Blood
4. Heart
5. Blood Vessels
6. Lymphatic System and Immunity
7. Respiratory System
8. Digestive System
9. Urinary System
10. Metabolism
11. Fluid, Electrolyte, Acid-Base Balance
12. Reproductive System
13. Inheritance

Laboratory

1. Endocrine System
2. Blood
3. Heart
4. Blood Vessels
5. Immunology
6. Respiratory System
7. Digestive System
8. Digestive Chemistry
9. Urinary System
10. Urinalysis/Kidney
11. Reproductive System
12. Genetics

Date Course Created:

Date of Last Revision: 02/27/2017