



PREPARING FOR THE COURSE

Outline of Anatomy & Physiology

Course Description

A&P I provides a foundation in human biology. This course builds a familiarity with physiology while introducing histological and anatomical organization.

A&P II builds on the anatomical and physiological foundations of A&P I, while focusing more on physiology and interactions between systems.

Typical Course Mechanics

- 4 hours of lecture a week (or 5 hours of online video)
- 4 hours of lab a week
- Expect at least one midterm and a final, though most classes break up the tests into 4-5 midterms

Generally, a student should expect to spend 8 hours a week covering lecture and lab instruction and an additional 10 hours a week doing homework and studying.

Communicate in advance of any absence. You may not be able to make-up missed labs.

Topics Generally Covered in Each Course

Biology 241	Biology 242
General Biology & Chemistry Review	Cardiovascular System & Blood
Tissues & Histology	Respiratory System
Integumentary System	Endocrine System
Bones and Bone Tissue	Lymphatic System
Muscles & Muscular Tissue	Immune System
Nerves & Nervous Tissue	Digestive System
Central Nervous System	Urinary System
Peripheral & Autonomic Nervous System	Body Regulation & Maintenance
Special Senses	Reproductive System

PRE-REQUISITE KNOWLEDGE OR SKILLS

General Biology BIO160 and/or General Chemistry CHEM121 are the two most common pre-requisite courses. Knowledge and skills from both of these courses are regularly drawn upon in A&P. Basic Algebra is also required for some laboratory calculations. Pre-requisite science knowledge you will use in A&P includes:

General Chemistry	General Biology
Chemical Bonding	Cell Biology
Acids & Bases	Diffusion & Osmosis
Biological Molecules	Mitosis / Meiosis
Water	Cell Communication

Review for the above topics can be done using online resources such as www.khanacademy.org or referring to your prior course materials. **Brush up on these topics before you start you're A&P class!**

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Books & Supplies

It is strongly recommended that you buy the college bookstore's new textbook package. This is because the textbook package often includes an account code and study guide which provide access to practice questions and important diagrams. Used materials most likely will not include these.

Study Support

A&P requires a strong personal commitment to studying. You will be expected to digest and master a very large amount of material. Be proactive.

Instructor office hours and institutional study labs are always a great place to get support, but the Training Fund also has both in-person tutoring and online (Tutor.com) tutoring options available year-round!

Go to: www.healthcareerfund.org/tutoring & sign-up!