

**ACE Study Resource – BIOL 3403****Syllabus:**

To search for your course syllabus, follow these instructions.

1. Visit the following website: <https://info.tamtu.edu/>
2. Input your course (ex: MATH 1314) into the “Search” box and make sure you are in the current term (ex: Spring 2022). Click “Search.”
3. Scroll down until you find your specific course (ex: MATH 1314.201) and professor’s name.
4. Click on “Syllabus” under your course and the file will automatically download. You are done!

**Textbook:**

- <https://openstax.org/details/books/anatomy-and-physiology>

**Concepts:**

- Introduction, organization & nomenclature Tissues
- Integumentary System
- Skeletal System
- Muscle tissue
- Digestive System
- Respiratory System
- Urogenital System
- Circulatory System
- Endocrine System
- Nervous System

**Tips and Strategies:**

- Read assigned material in the textbook and supplemental readings.
- Participate in class discussion.
- Review research articles in the field of biology to clarify material in the textbook.
- Attend lectures, listen closely, write notes, ask questions, and be prepared to answer questions.

**Resources:**

- **[Academic Center for Excellence Tutoring](#)**: To book an appointment with visit our website, call (956) 326-4223, or send an email to [academicsupport@tamtu.edu](mailto:academicsupport@tamtu.edu).
- Students and faculty must check their TAMU e-mail accounts regularly, if not daily.
- Not having seen an important TAMU e-mail or message from a faculty member, chair, or dean is not accepted as an excuse for failure to take important action.

**Practice and Application:**

Below are practice problems to reinforce your knowledge of key course concepts.

**1. What is the bodily production response of angiotensin II to counter a decrease in the production of renin?**

- A. There is no functional relationship between angiotensin II and renin

- B. None of these answer choices are correct
- C. Production of angiotensin II decreases
- D. Production of angiotensin II increases

**2. What is the primary function of the juxtaglomerular apparatus?**

- A. Hormonal regulation of the body's blood pressure
- B. The kidney's blood flow
- C. Regulation of the glomerular filtration rate
- D. All of these answer choices are correct

**3. The anatomical terms that refer to the front and back of the body are \_\_\_\_\_ and \_\_\_\_\_, respectively.**

- A. anterior, posterior
- B. dorsal, palmar
- C. front, back
- D. distal, proximal

**4. The arms are \_\_\_\_\_ to the thorax.**

- A. superior
- B. dorsal
- C. lateral
- D. ventral

**5. Which joint is made up by the humerus, radius, and ulna?**

- A. Elbow
- B. Shoulder
- C. Knee
- D. Hip

**6. The ilium, ischium, and pubis make the \_\_\_\_\_.**

- A. collar bone
- B. thorax
- C. pelvis
- D. spine

**7. Which best describes a gyrus in the brain?**

- A. An area of pigmentation in the brain
- B. A crevice on the surface of the brain
- C. An elevation on the surface of the brain
- D. A blood vessel in the brain

**Answer Key**

- 8. D
- 7. C
- 6. C
- 5. A
- 4. C
- 3. A
- 2. D
- 1. C

**Disclaimer:**

- Please use this document as a supplemental resource. You must follow class instructions and expectations set by your professor.
  - This guide does not substitute your class.
  - This guide does not cover the entire syllabus or course.