





- 4 Computational, and Information Technology Skills.  
This is a lab based course and students will be required to take measurements and make various calculations in a laboratory setting. They will be required to make calculations on weekly tests, theory examinations and practical laboratory examinations.
- 5 Teamwork.  
Students will be required to demonstrate the ability to cooperate with other students in problem solving exercises in class and in some laboratory experiments.

**Academic Signature:**

This course will contain the following elements of the college's academic signature:

- 1.

4. The organization of the human body beyond the cellular level:
  - The structure and function of the four tissue types.
  - The major body systems, their major organs, and the general function of each organ.
  - Directional terms as they relate to the human body.
  - The body cavities and their organs.
  
5. The integumentary system:
  - The identification and description of the components of the epidermis and the dermis.
  - Specialized cells, structures, and glands.
  
6. The skeletal system:
  - The basic structure, histology, and components of the human skeleton.
  - The structure, physiology, and function of bone.
  - The changes in skeletal structure during growth and development (ossification).
  - Articulations (joints) with respect to their structures and types of movement allowed.
  - The basic mechanical principles of movement as they relate to joints (biomechanics).
  
7. The muscular system:
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**P:** Textbooks and Materials to be Purchased by Students

Tortora, G.J. and Derrickson, B. *Principles of Anatomy and Physiology*. New York: John Wiley and Sons, Inc.

Douglas College produced manual: **Biology 1109: Human Anatomy and Physiology I.**

**Q:** Means of Assessment

<b><u>TYPE OF EVALUATION</u></b>	<b><u>POINTS</u></b>
Class Tests and Assignments	20
Laboratory Experiments and Activities (seen Note 1 below)	(up to -20)
Laboratory Examination - final	15
Comprehensive Examinations - midterm	30
- final	<u>35</u>
<b>TOTAL</b>	<b><u>100</u></b>