



EFFECTIVE: SEPTEMBER 2006
CURRICULUM GUIDELINES

A. Division: **Education** Effective Date: **September 2006**

B. Department / Program Area: **Science and Technology**
Biology Revision: New Course
 If Revision, Section(s) Revised: **F, M, N, O, P, Q**
 Date of Previous Revision: **September 2004**
 Date of Current Revision: **March 2006**

C: Biology 1109 **D: Human Anatomy and Physiology I** **E: 3**

Subject & Course No.	Descriptive Title	Semester Credits
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F: Calendar Description:
Human Anatomy and Physiology I

hours lab Number of Weeks per Semester: 15	K: Maximum Class Size: Lecture = 42 Tutorial = 21
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L: PLEASE INDICATE:

- Non-Credit
- College Credit Non-Transfer
- College Credit Transfer:

SEE BC TR

- 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

<u>TYPE OF EVALUATION</u>	<u>POINTS</u>
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>
TOTAL	<u>100</u>