Douglas College

EFFECTIVE: SEPTEMBER 2009
CURRICULUM GUIDELINES

A.	Division:	**Education**	Effective Date:	**September 2009**	
B.	Department / Program Area:	**Science and Technology** **Biology**	Revision	**X**	New Course
			If Revision, Section(s) Revised:	**E, F and K**	
			Date of Previous Revision:	**October 2007**	
			Date of Current Revision:	**April 2009**	

C: **Biology 1203** **D**: **Human Anatomy and Physiology II** **E:** **3**

Subject & Course No.	Descriptive Title	Semester Credits

F: Calendar Description:

Human Anatomy and Physiology II is a continuation of the study of the anatomy and physiology of humans. The anatomy and physiology of the digestive, nervous, excretory, endocrine and reproductive systems are studied.

Enrolment is usually limited to students in Health Science and Sport Science programs.

G: Allocation of Contact Hours to Type of Instruction / Learning Settings

Primary Methods of Instructional Delivery and/or Learning Settings:

Lecture/Tutorial/Lab

Number of Contact Hours: (per week / semester for each descriptor)

6 hours/week:

4 hours lecture / tutorial
2 hours lab

Number of Weeks per Semester: **15 weeks**

H: Course Prerequisites:

Biology 1103

I: Course Corequisites:

None

J: Course for which this Course is a Prerequisite:

None

K: Maximum Class Size:

Lecture / Tutorial = 37

L: PLEASE INDICATE:

	Non-Credit
	College Credit Non-Transfer
X	College Credit Transfer

SEE BC TRANSFER GUIDE FOR TRANSFER DETAILS (www.bctransferguide.ca)

M: Course Objectives / Learning Outcomes:

Upon completion of Biology 1203, the student will be able to:

1. Describe the basic requirements of human nutrition and describe the roles of various nutrients in the body.
2. Describe the absorption, transport, storage and metabolic importance of carbohydrates, lipids and proteins.
3. Describe the gross anatomy of the digestive system and describe the digestion of carbohydrates, lipids, and proteins.
4. Describe energy metabolism, including the processes of glycolysis, Krebs Cycle and the electron transport chain.
5. Describe the importance of oxygen in respiration and compare aerobic and anaerobic respiration.
6. Describe the fluid and electrolyte composition of the body and explain how fluid and electrolyte balance is maintained.
7. [redacted]e the components of the ur86 com

P: Textbooks and Materials to be Purchased by Students:

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

Douglas College produced manual: **Biology 1203/1209: Human Anatomy and Physiology II**.

Q: Means of Assessment:

TYPE OF EVALUATION	**POINTS**
Class Tests and Assignments	20 30 %
Laboratory Experiments and Activities (see Note 1 below)	(*up to* 20 %)
Laboratory Examination - final	10 15 %
Comprehensive Examinations - midterm	