



DEPARTMENT OF PHYSICAL EDUCATION, ATHLETICS & KINESIOLOGY

**COURSE OUTLINE: FALL 2010**

**PE1015 ESSENTIALS OF HUMAN PHYSIOLOGY**

**INSTRUCTOR:** Ray Kardas                      **PHONE:** 780 539-2990  
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**OFFICE**  
**HOURS:** TBD/TBA

**PREREQUISITE(S)/COREQUISITE:** N/A

**REQUIRED TEXT/RESOURCE MATERIALS:**

Stanfield, Cindy L. (2011). Principles of Human Physiology. 4<sup>th</sup> Edition, San Francisco: Pearson.

Class notes for PE1015 will be posted.

**CALENDAR DESCRIPTION:**

The main focus of this introductory course is systemic functions in the human body with special emphasis on systems that respond and adapt to exercise stress. The majority of the course will focus on the cardiovascular, respiratory, musculoskeletal, nervous, and neuroendocrine systems. A prior knowledge of general cellular function and metabolism (such as obtained in Biology 30) is presupposed.

**CREDIT/CONTACT HOURS:** 3 credit (3-0-0) UT [45 hours]

**DELIVERY MODE(S):** Lecture, Problem-solving exercises

**OBJECTIVES:**

At the conclusion of the course the student will be able to:

1. Understand basic physiological concepts and processes.

2. Define basic structure-function relationships that exist within the human body.
3. Describe the regulation of various physiological systems that comprise the human body.

### **TRANSFERABILITY:**

U A, UL, AU\*, KUC, CUC, AUC, CU

\*See page 163 of GPRC 2010-2011 Calendar

\*\* Grade of D or D+ may not be acceptable for transfer to other post-secondary institutions. Students are cautioned that it is their responsibility to contact the receiving institutions to ensure transferability.

### **GRADING CRITERIA:**

<b>Alpha Grade</b>	<b>4-point Equivalent</b>	<b>Designation</b>
<b>A+</b>	<b>4.0</b>	<b>EXCELLENT</b>
<b>A</b>	<b>4.0</b>	
<b>A-</b>	<b>3.7</b>	<b>FIRST CLASS STANDING</b>
<b>B+</b>	<b>3.3</b>	
<b>B</b>	<b>3.0</b>	<b>GOOD</b>
<b>B-</b>	<b>2.7</b>	
<b>C+</b>	<b>2.3</b>	<b>SATISFACTORY</b>
<b>C</b>	<b>2.0</b>	
<b>C-</b>	<b>1.7</b>	
<b>D+</b>	<b>1.3</b>	<b>MINIMAL PASS</b>
<b>D</b>	<b>1.0</b>	
<b>F</b>	<b>0.0</b>	<b>FAIL</b>
<b>WF</b>	<b>0.0</b>	<b>FAIL, withdrawal after the deadline</b>

Evaluation will be completed and expressed in raw marks (%) throughout the course. Grades (using the letter grading system) will be assigned only to the final distribution of mark totals for the course. Such assignment will be based on a combination of absolute achievement and relative performance in the class.

## **EXAMINATIONS:**

Test #1	Oct. 4	20%
Test #2	Nov. 3	20%
Test #3	Dec. 1	20%
Final Exam	TBA	40%
<b>TOTAL</b>		<b>100%</b>

## **STUDENT RESPONSIBILITIES:**

The textbook selected for this course is thorough. It is the student's responsibility to read and understand the required areas of the text. The objective of the lectures is to highlight the major concepts of each topic area and provide examples to facilitate comprehension.

## **STATEMENT ON PLAGIARISM AND CHEATING:**

Please refer to pages 47-50 of the College calendar regarding plagiarism, cheating and the resultant penalties. These are serious issues and will be dealt with severely.

## **COURSE SCHEDULE/TENTATIVE TIMELINE:**

Monday/Wednesday, 8:30 – 9:50, D208