



**DEPARTMENT OF PHYSICAL EDUCATION, AND  
KINESIOLOGY**

**COURSE OUTLINE – FALL 2014**

**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. (2013). Principles of Human Physiology. 5<sup>th</sup> Edition, San Francisco: Pearson.

Class notes for PE1015 will be posted/or distributed in class.

**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 (OPTIONAL):**

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:**

UA, UL, AU\*, KUC, CUCU, AUC, CU

See description in the current GPRC College 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:**

| GRANDE PRAIRIE REGIONAL COLLEGE |                    |                       |                                     |
|---------------------------------|--------------------|-----------------------|-------------------------------------|
| GRADING CONVERSION CHART        |                    |                       |                                     |
| Alpha Grade                     | 4-point Equivalent | Percentage Guidelines | Designation                         |
| A <sup>+</sup>                  | 4.0                | 90 – 100              | EXCELLENT                           |
| A                               | 4.0                | 85 – 89               |                                     |
| A <sup>-</sup>                  | 3.7                | 80 – 84               | FIRST CLASS STANDING                |
| B <sup>+</sup>                  | 3.3                | 77 – 79               |                                     |
| B                               | 3.0                | 73 – 76               | GOOD                                |
| B <sup>-</sup>                  | 2.7                | 70 – 72               |                                     |
| C <sup>+</sup>                  | 2.3                | 67 – 69               | SATISFACTORY                        |
| C                               | 2.0                | 63 – 66               |                                     |
| C <sup>-</sup>                  | 1.7                | 60 – 62               |                                     |
| D <sup>+</sup>                  | 1.3                | 55 – 59               | MINIMAL PASS                        |
| D                               | 1.0                | 50 – 54               |                                     |
| F                               | 0.0                | 0 – 49                | FAIL                                |
| WF                              | 0.0                | 0                     | FAIL, withdrawal after the deadline |

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.

### EVALUATIONS/EXAMINATIONS:

|            |                                  |     |
|------------|----------------------------------|-----|
| Test #1    | October 6                        | 30% |
| Test #2    | November 3                       | 30% |
| Final Exam | (scheduled between Dec. 10-19th) | 40% |

### 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:**

Refer to the Student Conduct section of the College Admission Guide at

<http://www.gprc.ab.ca/programs/calendar/> or the College Policy on Student Misconduct:

Plagiarism

and Cheating at [www.gprc.ab.ca/about/administration/policies/\\*\\*](http://www.gprc.ab.ca/about/administration/policies/**)

\*\*Note: all Academic and Administrative policies are available on the same page.

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

Monday/Wednesday, 8:30 – 9:50 am, D208