Grande Prairie Regional College

Department of Physical Education, Athletics & Kinesiology

COURSE OUTLINE – WINTER 2012

PE 1030 Integrative Human Physiology

INSTRUCTOR:	Ray Kardas	**PHONE:**	780-539-2990
OFFICE:	C418	**E-MAIL:**	rkardas@gprc.ab.ca
HOURS:	Drop in or by Appointment	**CLASS TIMES:**	Mondays & Wednesday 8:30 a.m. – 9:50 a.m. (D308)
		LAB TIMES:	L1 – Tues. 12:00-12:50p.m (J107) L2 – Fri. 9:00-9:50a.m. (J107)

PRE-REQUISITE(S)/COREQUISITE: PE1015 Essentials of Human Physiology

REQUIRED TEXT/MANUALS:
Stanfield, Cindy L. (2011). Principles of Human Physiology, 4th Edition.
San Francisco: Pearson
PE1030 Lab Manual

CALENDAR DESCRIPTION
The focus of this introductory physiology course is cellular functions in the human body with special emphasis on control and integration of these functions. Whenever possible, the responses and adaptations to exercise will be used as a foundation upon which the concepts of control and integration will be discussed. Some topics from PE1015 (Essentials of Human Physiology) will be revisited to discuss control and integration of cellular and systemic function.

CREDIT/CONTACT HOURS: 3 credits (3-0-1) UT [60 hours]

DELIVERY MODE(S): Lectures, Labs, Seminar Presentations

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

1. Understand the basic structure-function relationships that exist within the human body and the regulation of these physiological processes.

2. Describe the basic principles and mechanisms of human physiology.
3. Explain the control and integration of cellular and systemic function in responses to acute and chronic exercise stress.

TRANSFERABILITY:
U of A, AU*, CUC, AUC, U of L, CU, KUC
*See GPRC Calendar/Transfer Guide
Grade of D or D+ may not be acceptable for transfer to other post-secondary institutions.

GRADING CRITERIA:

Alpha Grade	4-point Equivalent	Designation
A+	**4.0**	**EXCELLENT**
A	**4.0**	
A–	**3.7**	**FIRST CLASS STANDING**
B+	**3.3**	
B	**3.0**	**GOOD**
B–	**2.7**	
C+	**2.3**	**SATISFACTORY**
C	**2.0**	
C–	**1.7**	
D+	**1.3**	**MINIMAL PASS**
D	**1.0**	
F	**0.0**	**FAIL**
WF	**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. The equivalent percentages for the above letter grades are found on page 44 of the GPRC Admissions Guide: 2011-2012.

EXAMINATIONS:

Test #1	February 15	30%
Test #2	March 21	30%
Test #3	April 11	15%
Reproduction Physiology Assignment Due April 11		10%
Final Lab Exam – April 3rd & April 6th		15%

STUDENT RESPONSIBILITIES:

Reading the upcoming topic in the textbook BEFORE each lecture will help students understand and keep pace with the flow of lectures.

Questions always arise and it is important for the student to act on them. Ask your questions during class or bring them up at the end of class or send your question(s) via e-mail.

"Study-buddy" or study groups are highly recommended. Having someone to discuss the lecture with or review course material has been very helpful to many students.

Attendance will not be monitored during the lectures but will be monitored for the lab portion of the course. Students are responsible for all material assigned or presented.

STATEMENT ON ACADEMIC REGULATIONS AND STUDENT CONDUCT
Please refer to pages 43-52 of the GPRC Admission Guide: 2011-2012.