

GRANDE PRAIRIE REGIONAL COLLEGE
PEAK: Department of Physical Education, Athletics & Kinesiology

PE 1020
ELEMENTARY PHYSIOLOGY

Course Outline: 2001-2002 Y

SEP. 16 2001

1. General Information

Instructor: Ray Kardas
Office: C418
Phone: 539-2990
Lectures: MWF: 9:00 – 9:50 a.m. J202 (1st Term)
 MW: 8:30 - 9:50 a.m. J202 (2nd Term)
Labs: L1 – T from 12:00 – 12:50 in J126
 L2 – M from 1:00 – 1:50 in J126
E-mail: kardas@gprc.ab.ca

Calendar Description

This course provides an introduction to human physiology from cellular to systemic levels, with special emphasis on systems which adapt to exercise stress.

2. Course Objective

At the conclusion of the course, the student will be able to describe the normal physiology of the major systems of the human body.

3. Required Resources

Required Texts: Dee Unglaub Silverthorn. 1198. Human physiology: An integrated approach. Upper Saddle River: Prentice-Hall.

D.U. Silverthorn, R.D. Hill, and L.D. Brewer. 1998.
Student workbook for human physiology: An integrated approach.
Upper Saddle River: Prentice-Hall.

Student notes for PE 1020 when available.

Labs: **Note***** Students are required to attend lab sessions in the second semester. Failure to do so results in a 2% deduction for each lab session missed. Additionally the lab session in the second semester will allow for extra time for the study guide requirement of this course.

4. Examination & Grading System

8 Term Tests	10% x 8 = 80%	
Study Guide Component	5%	1 st check December 2001 2 nd check April 2002
Lab Test	10%	
Reproductive Physiology	5%	

Each examination will include all material covered between the time of the previous examination and the subsequent examination. Exam papers will not be returned to students for keeping. Examinations may be comprised of the following types of questions: MC, T/F, fill in the blank, and short answer.

Note***Please read pg. 30 - 40 in the 2001 - 2002 College Calendar on policies of academic standing, exams, repeat final examinations, right and responsibilities, plagiarism, cheating and student conduct.

5. Marking Scheme

Marking is on a 9 point scale. The percent equivalences for PE 1020 only are as follows:

<u>Cumulative Percentage</u>	<u>9 Point Scale</u>
90 - 100	9
80 - 89	8
72- 79	7
65-71	6
56-64	5
50-55	4 PASS
40-49	3
30-39	2
0-29	1

TENTATIVE COURSE OUTLINE

Note** The instructor reserves the right to deviate in any manner from this outline to accommodate students' needs.

	September 5	Introduction
Chapters 1 & 6	September 7	General organization, Body Components, Homeostasis
Chapter 2	September 10	Chemical & Physical Principles
	September 12	
Chapters 3 -5	September 14, 17, 19, 21, 24, 26	Cellular Physiology
	September 28	Physiology of the Nervous System
Chapters 8 - 11	October 1	Test #1
	October 3, 5	Physiology of the Nervous System
	October 8	Thanksgiving Day: No Classes
	October 10, 12, 15, 17, 19, 22, 24	Physiology of the nervous system
Chapters 7 & 21	October 26	Begin Endocrine Physiology
	October 29	Test # 2
	October 31, November 2, 5, 7	Resume Endocrine Physiology
	November 9	No Classes this day
	November 14	
Chapters 12 & 13	November 16	Begin Muscle Physiology
	November 19	Test #3
	November 21, 23, 26, 28, 30, December 3, 5	Resume Muscle Physiology
	December 7	Test #4
Chapters 15 - 16	January 7, 9, 14, 16, 21, 23, 28, 30	Blood & Cardiovascular Physiology
	February 4	Test #5
Chapters 17 & 19	February 6, 11, 13	Respiratory Physiology/Control of Acid Base Balance by Respiratory Physiology
	February 18	Family Day (College Closed)
	February 20	Test #6
	February 25 - March 1	Winter Break: No Classes
Chapter 20	March 4, 6	Gastrointestinal Physiology
Chapter 18 & 19	March 11, 13, 18, 20	Renal Physiology
	March 25	Test #7
Chapter 22	March 27, April 1	Immunity
	March 30	
Chapter 23	April 3, 8	Physiology of Exercise
	April 10	Test #8

Note 1: the lab schedule will be distributed in January 2002.

Note 2: Final Lab Exam is on April 1 & 2, 2002 (10%)