

Sept 07 2000

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

PE 1020
ELEMENTARY PHYSIOLOGY

Course Outline: 2000-2001

I. General Information

Instructor: Ray Kardas
Office: C418
Phone: 539-2990
Lectures: MWF: 8:30 a.m.-9:20 a.m. D208 (1st Term)
MWF 11:30 a.m.-12:20 p.m. D208 (2nd Term)
Labs: L1 R 3:00 - 3:50 TBA
L2 R 4:00 - 4:50 TBA
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.

II. 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.

III. Required Resources

Required Texts: Dee Unglaub Silverthorn. 1998. 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.

IV. Examination & Grading System

8 Term Tests	10% x 8 = 80%
Lab & Study Guide Component	=15% (5% study guide component) 1 st check December 2000 2 nd check April 2001
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. However, students are encouraged to review their exams with the instructor during scheduled review times. Examinations may be comprised of the following types of questions: MC, T/F, fill in the blank, and short answer.

Note***Please read pg.26 -35 in the 2000-2001 College Calendar on policies of academic standing, exams, repeat final examinations, right and responsibilities, plagiarism, and cheating.

V. 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.

Chapters 1 & 6	September 6	Introduction
	September 8	General organization, Body Components, Homeostasis
Chapter 2	September 11	Chemical & Physical Principles
	September 13	
Chapters 3 -5	September 15	Cellular Physiology
	September 18	
	September 20	
	September 22	
	September 25	
	September 27	
	September 29	
Chapters 8 - 11	October 2	Physiology of the Nervous System
	October 4	
	October 6	
	October 9	Thanksgiving Day: No Classes
	October 11	
	October 13	
	October 16	
	October 18	
	October 20	
	October 23	
	October 25	Test #2

Chapters 7 & 21	October 27 October 30 November 1 November 3 November 6 November 8 November 10 November 13 November 15	Endocrine Physiology No Classes this day (I don't know why) Test #3
Chapters 12 & 13	November 17 November 20 November 22 November 24 November 28 November 30 December 1 December 4 December 6	Muscle Physiology Test #4
Chapters 15 - 16	January 3 January 5 January 8 January 10 January 12 January 15 January 17 January 19 January 22 January 24 January 26	Blood & Cardiovascular Physiology

Chapters 17 & 19	January 29	Test #5
	January 31	Respiratory Physiology/Control of Acid Base Balance by Respiratory Physiology
	February 2	
	February 5	
	February 7	
	February 9	
	February 12	
	February 14	
	February 16	
	February 19	Family Day (College Closed)
	February 21	Test #6
Chapter 20	February 23	Gastrointestinal Physiology
	February 27 - March 2	Winter Break: No Classes
	March 5	
	March 7	
	March 9	Renal Physiology
	March 12	
Chapter 18 & 19	March 16	Renal Control of Acid/Base Balance
	March 19	
	March 21	
	March 23	Test #7
Chapter 22	March 26	Immunity
	March 28	
	March 30	

Chapter 23

April 2	Physiology of Exercise
April 4	
April 6	
April 9	Test #8
April 11	TBA

Note 1: the lab schedule will be distributed in January 2000.

Note 2: Final Lab Exam is on April 5, 2000 (10%)