

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

**PE 1020**  
**ELEMENTARY PHYSIOLOGY**

**Course Outline: 1999-2000** Y

---

**I. General Information**

**Instructor:** Ray Kardas  
**Office:** C418  
**Phone:** 539-2990  
**Lectures:** MWF ; 11:00 - 11:50 Room J226 (both terms)  
**Labs:** L1 M 9:00 - 9:50 Biology Labs  
L2 W 9:00 - 9:50 Biology Labs  
**E-mail:** kardas@gprc.ab.ca

**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 Silberthorn. Human Physiology: An Integrated Approach. (Upper Saddle River: Prentice-Hall, 1998).

D.U. Silberthorn, R.D. Hill, and L.D. Brewer. Student Workbook for Human Physiology: An Integrated Approach. (Upper Saddle River: Prentice-Hall, 1998).

Student notes for PE 1020

**Labs:** **Note\*\*\*** Students are required to attend lab sessions in the second

semester. Failure to do so may lead to an incomplete (INC) for the course. 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	$10\% \times 8 = 80\%$
Lab & Study Guide Component	=15%
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.21 -29 in the 1999-2000 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 <b>PASS</b>
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 8	Introduction	
	September 10	General organization, Body Components, Homeostasis	
Chapter 2	September 13	Chemical & Physical Principles	
	September 15		
Chapters 3 -5	September 17	Cellular Physiology	
	September 20		
	September 22		
	September 24		
	September 27		
	September 29		
	October 1		Test #1
Chapters 8 - 11	October 4	Physiology of the Nervous System	
	October 6		
	October 8		
	October 11		Thanksgiving Day: No Classes
	October 13		
	October 15		
	October 18		
	October 20		
	October 22		
	October 25		
	October 27		Test #2

Chapters 7 & 21	October 29 November 1 November 3 November 5 November 8 November 10 November 12 November 15 November 17	Endocrine Physiology       No Classes this day (I don't know why)   Test #3
Chapters 12 & 13	November 19 November 22 November 24 November 26 November 29 December 1 December 3 December 8 December 10	Muscle Physiology       Test #4  TBA
Chapters 15 - 16	January 5 January 7 January 10 January 12 January 14 January 17 January 19 January 21 January 24 January 26 January 28	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 4	
	February 7	
	February 9	
	February 11	
	February 14	
	February 16	
	February 18	Test #6
February 21 -25	Winter Break: No Classes	
Chapter 20	February 28	Gastrointestinal Physiology
	March 1	
	March 3	
	March 6	
	March 8	Renal Physiology
March 10		
Chapter 18 & 19	March 13	Renal Control of Acid/Base Balance
	March 15	
	March 17	
	March 20	Test #7
Chapter 22	March 22	Immunity
	March 24	
	March 27	
	March 29	
	March 31	

Chapter 23

April 3

Physiology of Exercise

April 5

April 7

April 10

Test #8

April 12

TBA

Note\*\*the lab schedule will be distributed in January 2000.