

GRANDE PRAIRIE REGIONAL COLLEGE
 Department of Physical Education and Athletics
 PZ 2600- B2, 3
 ELEMENTARY PHYSIOLOGY

y 92-93

COURSE OUTLINE

I. GENERAL INFORMATION

Instructor: Ray Kardas Office: C418 Phone: 539-2990

Class Hours 1st Semester: Tues. & Thur. 11:00-12:00 J228
 & Location: 2nd Semester: Tues. & Thur. 15:00-16:20 J228

Labs: Scheduled for the 2nd semester although there are some extra LABS in the first semester.

II. COURSE SEQUENCE

<u>Date</u>	<u>Topic</u>	<u>Pages</u>
<u>FIRST SEMESTER</u>		
September	3 Introduction	
	8 Homeostasis: Foundation of Physiology	2 -13
	10 Chemistry	App. A
	15 Cellular Physiology	14 - 57
	17 Cellular Physiology	14 - 57
	22 Membrane & Neuronal Physiology	58 - 114
	24 Membrane & Neuronal Physiology	58 - 114
	29 Membrane & Neuronal Physiology	58 - 114
October	1 Membrane & Neuronal Physiology	58 - 114
	6 Central Nervous System	116 - 157
	8 Central Nervous System	116 - 157
	13 Central Nervous System	116 - 157
	15 Test #1	
	20 Peripheral Nervous System : Afferent Division and Special Senses	159 - 200
	22 PNS: Afferent Division; Special Senses	159 - 200
	27 PNS: Afferent Division	203 - 215
	29 Muscle Physiology	217 - 257
November	3 Muscle Physiology	217 - 257
	5 Muscle Physiology	217 - 257
	10 Muscle Physiology	217 - 257
	12 Cardiac Physiology	259 - 297
	17 Cardiac Physiology	259 - 297
	19 Cardiac Physiology	259 - 297
	24 Cardiac Physiology	259 - 297
	26 Vasculature and Blood Pressure	299 - 341
December	1 Vasculature and Blood Pressure	299 - 341
	8 Test #2	

SECOND SEMESTER

January	5	Blood	343 - 361
	7	Blood	343 - 361
	12	Defense Mechanisms of the Body	362 - 405
	14	Defense Mechanisms of the Body	362 - 405
	19	Defense Mechanisms of the Body	362 - 405
	21	AIDS	Handouts
	26	Respiratory Physiology	407 - 461
	28	Respiratory Physiology	407 - 461
February	2	Respiratory Physiology	407 - 461
	4	Respiratory Physiology	407 - 461
	9	Urinary System	463 - 509
	11	Urinary System	463 - 509
	16	Urinary System	463 - 509
	18	Test #3	463 - 509
	22 - 26	WINTER BREAK	
March	2	Fluid Balance and Acid-Base Balance	510 - 545
	4	Fluid Balance and Acid-Base Balance	510 - 545
	9	Fluid Balance and Acid-Base Balance	510 - 545
	11	Digestive System	546 - 601
	16	Digestive System	546 - 601
	18	Digestive System	546 - 601
	23	Digestive System	546 - 601
	25	Energy Balance and Temperature Regulation	602 - 621
30	Principles of Endocrinology, Central Organs	623 - 661	
April	1	Principles of Endocrinology, Central Organs	623 - 661
	6	Peripheral Endocrine Organs	663 - 709
	8	Peripheral Endocrine Organs	663 - 709
	13	Peripheral Endocrine Organs	663 - 709
	15	Test #4	663 - 709

III. COURSE EVALUATION

- (1) Four Class Tests (Oct 15, Dec 8, Feb 18, April 15) . . . 80%
- (2) Lab Test 10%
- (3) Paper on Reproduction Physiology 10%
- (4) Completion of Learning Resource Manual 0%

IV. COURSE TEXTS AND SUPPLEMENTARY MATERIAL

- (1) Sherwood, Lauralee; Human Physiology: From Cells to Systems, St. Paul, West Publishing, 1989.
- (2) Sherwood, Lauralee; Learning Resource Manual to Accompany Human Physiology: From Cells to Systems St. Paul, West Publishing, 1989.