

**Grande Prairie Regional College
Department of Science and Technology**

**PZ 1510 Elementary Physiology II
Course Outline – 2nd Year Nursing (CBL)**

PZ 1510 Elementary Physiology II 3(3-0-0)

This is an introductory course in physiology for the health sciences. It is available only to students in the Nursing program.

The content of this course follows the topics outlined in the scenarios presented in the second year of the CBL Nursing program. Some of the topics covered will require extra reading / study by the students.

Prerequisite : PZ1500

Textbook : Saladin, K.S. (2004), Anatomy and Physiology : The unity of form and Function, 3rd ed., WCB / McGraw-Hill, Boston MA
ISBN 0-07-242903-8

Resource Person : Dr. Sean Irwin
office - J223
phone - 539-2860 (w)
- 567-2226 (h)

Fixed Resource Session : Tues. / Thurs. - 8:30 – 9:50

Evaluation:	Quiz I15%	In order to defer an exam due to illness you will require a medical note.
	Fall final exam35%	
	Quiz II15%	
	Winter final exam.....	<u>35%</u>	
	Total	100%	

Office Hours : Monday - 10:00 - 11:20 am
Wednesday - 10:00 – 11:20 am
Friday -11:30 –1:00 pm
Also by appointment

Alpha Grade	Approximate Percentage
A+	90 – 100
A	85 – 89
A-	80 – 84
B+	76 – 79
B	73 – 75
B-	70 –72
C+	67 – 69
C	64 – 66
C-	60 – 63
D+	55 – 59
D	50 – 54
F	0 – 49

PZ 1510 - Elementary Physiology II - Fall 2006

Learning Package 2.1.1 – Byron, Becky and Baby Ben (2 week)

Pregnancy and Childbirth : Ch. 28: 1070-71, 1073-76

- Hormones of pregnancy
- Adjustments to pregnancy
- Childbirth

Embryonic and Fetal Development : Ch. 29: 1099 – 1101.

- Fetal Development

The Neonate : Ch. 29: 1101 – 1104.

- The transitional period
- Adaptations
- Premature Infants

Lactation : Ch. 28: 1076 – 1078.

Chromosomes and Heredity : Ch. 4: 145 – 151.

Congenital Anomalies: Ch. 29: 1004 – 1006.

Learning Package 2.1.2 - Denny and Cokum (2 weeks)

The Endocrine System : Ch. 17

- Endocrine Glands
- Hormone classification
- Hormone action
- Hormone receptors
- Hormone interactions
- Endocrine disorders
- C.V. – IDDM

Quiz I - Thurs. Sept. 28 – 8:30 am

Learning Package 2.1.3 - Mrs. White (1 week)

Physiology of Osseous Tissue : Ch. 7: 221 – 239

- Mineral deposition and resorption
- Vitamin D and other hormones
- Bone disorders and fractures
- C.V. - Osteoporosis

Learning Package 2.1.4 – George (2 weeks)

The Urinary System : Chapter 23: 880 – 881, 886 – 899, 903 - 907.

- Glomerular filtration
- Tubular resorption and secretion
- Concentration of urine
- Urine storage and elimination

Fall Final Exam – Thurs. Oct. 26

PZ 1510 - Winter Semester 2007

Learning Package 2.2.1 – Adam Ennman (1 week)

The Central Nervous System : Chapter 14

- CNS Function
- Processing

Learning Package 2.2.2 - Mr. Tran (2 weeks)

The digestive system : Chapter 25

- mouth and esophagus
- stomach
- liver, gallbladder, and pancreas
- small intestine
- large intestine
- digestion and absorption
- C.V. -diarrhea

Quiz II -

Learning Package 2.2.3 - Norman Tourmay (1 week))

The cardiovascular system : Chapter 19

- heart
- cardiac muscle
- electrical and contractile activity
- C.V. - Stroke

Learning Package 2.2.4 – Janet (1 week)

The cardiovascular system : Chapter 19

- blood flow and cardiac cycle
- cardiac output
- C.V. – atherosclerosis / myocardial infarction

Learning Package 2.2.5 – Kathy (1 week)

Human Development : Chapter 29

- Aging

Final Exam –

