

**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. (2001), Anatomy and Physiology : The unity of form and Function, 2nd ed., WCB / McGraw-Hill, Boston MA
ISBN 0-07-115547-3

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 I	15%
	Fall final exam	35%
	Quiz II	15%
	Winter final exam.....	<u>35%</u>	
	Total		100%

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

PZ 1510 - Elementary Physiology II - Fall 2003

Learning Package 2.1.1 - Mrs. White (1 week)

Physiology of Osseous Tissue : Ch. 7: 225 – 239

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

Learning Package 2.1.2 – Andrew, Maria and Frances (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 2.1.3 – 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

Quiz I - Thurs. Oct. 2

Learning Package 2.1.4 - Denny and Cokum (2 weeks)

The Endocrine System : Ch. 17

- Endocrine Glands
- Hormone classification
- Hormone action
- Synthesis and transport
- Hormone receptors
- Hormone deactivation
- Hormone interactions
- Endocrine disorders
- C.V. - IDDM

Fall Final Exam – Thurs. Oct. 23

PZ 1510 and NS 1050 - Winter Semester 2004

Learning Package 2.2.1 – Leslie (1 week)

The Central Nervous System : Chapter 14

- 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 - Wed. Jan. 29th

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 – Wed. Feb. 19th