

Grande Prairie Regional College  
Department of Science and Technology

SEP. 10 2002

**PZ 1510 Elementary Physiology II  
Course Outline – 2<sup>nd</sup> 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, 2<sup>nd</sup> ed., WCB / McGraw-Hill, Boston MA  
ISBN 0-07-115547-3

**Resource Person :** Dr. Sean Irwin

office - J223

phone - 539-2860 (w)

- 518 -3764 (h)

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

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

**Office Hours :** Monday - 10:00 - 11:20 am  
Wednesday - 13:00 - 14:20 pm  
Friday -10:00 – 11:20 am  
Also by appointment

**PZ 1510 - Elementary Physiology II - Fall 2002**

**Learning package 2.1.1 - Kayla (1 week)**

**Review - Sense Organs : Chapter 16**

- Hearing and Equilibrium

**- The immune system : Chapter 21**

- innate immunity

- acquired immunity

### **Learning Package 2.1.2 – Maria (1 week)**

#### **Embryonic and Fetal Development : Chapter 29 pg. 1033 – 1039**

- Prenatal nutrition
- Embryonic Membranes
- Fetal Development

#### **The Neonate : Chapter 29 pg. 1040– 1043**

- The transitional period
- Circulatory and respiratory adaptations
- Premature Infants
- C.V. – Congenital anomalies

#### **Pregnancy and Childbirth : Chapter 29 pg. 1010-1016**

- Prenatal development
- Hormones of pregnancy
- Adjustments to pregnancy
- Childbirth

#### **Lactation : Chapter 29 pg. 1017-1019**

### **Learning Package 2.1.3 - Jack Little (2 weeks)**

#### **The Endocrine System : Chapter 17 pg. 600 – 628**

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

#### **Quiz I - Thurs. Oct. 3**

### **Learning Package 2.1.4 - Mrs. White (1 week)**

#### **Physiology of Osseous Tissue : Chapter 8 pg. 240 – 247**

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

### **Learning Package 2.1.5 – George (2 weeks)**

#### **The Urinary System : Chapter 23 pg. 839 – 851, 852 – 857.**

- Glomerular filtration
- Tubular resorption and secretion
- Concentration of urine
- Urine storage and elimination
- C.V. - incontinence

#### **Fall Final Exam – Thurs. Oct. 24**