

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

**PZ 1500 Elementary Physiology I Course Outline – 1st Year Nursing (CBL)
Winter 2005**

PZ 1500 Elementary Physiology I 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 first semester of this course covers fundamental concepts in physiology. The second semester of this course follows the topics outlined in the scenarios presented in the CBL Nursing program. Some of the topics covered will require extra reading / study by the students.

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 : Tuesday / Thursday 13:00 – 14:20, J228

Evaluation:	Mid-term exam	20%
	Fall final exam	35%
	Quiz	15%
	Winter final exam.....	30%
	Total	100%

Office Hours : Monday - 11:30 - 12:50 pm
Tuesday - 11:30 - 12:50 pm
Thursday -11:30 – 12:50 pm
Also by appointment

PZ 1500 - Elementary Physiology I - Winter 2005

Learning Package 1.2.1 – We're Expecting (2 weeks)

Male Reproductive System : Chapter 27 pg. 1019, 1030.

- sex determination
- puberty

Female Reproductive System : Chapter 28 pg. 1059-60, 1061 – 1068.

- puberty
- oogenesis and the sexual cycle

Birth Control: Chapter 28 pg. 1079 – 1081.

- birth control methods

Human Development : Chapter 29 pg. 1090 – 1091.

- fertilization and pre-embryonic development
- C.V. – *in vitro* fertilization

Scenario 1.2.2 – Mark Hofer (2 weeks)

Respiratory System : Chapter 22 pg. 851- 5; 860- 5; 867-9.

- pressure and flow - Boyles Law
- inspiration and expiration
- resistance and surface tension
- alveolar ventilation
- alveolar gas exchange
- gas transport
- systemic gas exchange
- oxygen imbalances
- C.V. - COPD

Quiz - Tues. Jan. 25th

Scenario 1.2.3 – Jean (2 weeks)

Sensory Organs : Chapter 16 pg. 589 - 627.

- Sensory Receptors (Pain)
- Taste (gustation)
- Smell (olfaction)
- Hearing
- Vision

Scenario 1.2.4 – Melanie Clark (1 week)

Menopause : Chapter 28 pg. 1060.

- climacteric and menopause

Cancer and the Cell Cycle : Chapter 4 pg. 151 – 52.

- causes of cancer
- C.V. – breast cancer

Final Exam – Tues. Mar. 1st