



DEPARTMENT OF SCIENCE

COURSE OUTLINE – PZ 1510

ELEMENTARY PHYSIOLOGY II – FALL 2013

INSTRUCTOR: Dr. Sean Irwin, Ph.D. **PHONE:** 539-2860 (W); 567-2226 (H)

OFFICE: J 221 **E-MAIL:** sirwin@gprc.ab.ca

OFFICE HOURS: Tues. 1:00 – 2:20 am
Wed. 10:00 – 11:20 pm
Fri. 11:30 – 1:00 pm

PREREQUISITE(S)/COREQUISITE: PZ 1500

REQUIRED TEXT/RESOURCE MATERIALS:

Saladin, K.S. (2010), Anatomy and Physiology : The Unity of Form and Function, 6th ed., WCB / McGraw-Hill, Boston MA
ISBN 978-0-07-337825-1

CALENDAR DESCRIPTION:

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.

CREDIT/CONTACT HOURS: 3 Credits (3-0-0) UT

DELIVERY MODE(S): Lectures – Tues. and Thur. 8:30 – 9:50, Rm. J 229

OBJECTIVES (OPTIONAL):

1. To gain a further understanding of the structure and function of the human body.
2. To gain an understanding of human physiology that will facilitate future work in the medical field.
3. To develop critical thinking skills with respect to the physiology of the human body.

TRANSFERABILITY: UA, UC, UL, AU, AF

**** Grade of D or D+ may not be acceptable for transfer to other post-secondary institutions. Students are cautioned that it is their responsibility to contact the receiving institutions to ensure transferability**

EVALUATIONS:	Quiz I	15%	- In order to defer an exam due to
	Fall final exam	35%	illness you will require a medical note.
	Quiz II	15%	
	Winter final exam	<u>35%</u>	
	Total	100%	

STUDENT RESPONSIBILITIES:

STATEMENT ON PLAGIARISM AND CHEATING:

Please refer to pages 49-50 of the College calendar regarding plagiarism, cheating and the resultant penalties. These are serious issues and will be dealt with severely.

GRADING CRITERIA:

GRANDE PRAIRIE REGIONAL COLLEGE			
GRADING CONVERSION CHART			
Alpha Grade	4-point Equivalent	Percentage Guidelines	Designation
A⁺	4.0	90 – 100	EXCELLENT
A	4.0	85 – 89	
A⁻	3.7	80 – 84	FIRST CLASS STANDING
B⁺	3.3	77 – 79	
B	3.0	73 – 76	GOOD
B⁻	2.7	70 – 72	
C⁺	2.3	67 – 69	SATISFACTORY
C	2.0	63 – 66	
C⁻	1.7	60 – 62	
D⁺	1.3	55 – 59	MINIMAL PASS
D	1.0	50 – 54	
F	0.0	0 – 49	FAIL
WF	0.0	0	FAIL, withdrawal after the deadline

COURSE SCHEDULE/TENTATIVE TIMELINE: Section YA2

Learning Package 2.1.1 - Elizabeth Snow (1 week)

Muscle Tissue Review: Ch. 11:11.2, .4; Ch. 10: pg. 360 -1

Osseous Tissue : Ch. 7: 7.1, .2, .4, and .5

- Bone tissue and histology
- Physiology of bone tissue.
- Bone disorders and fractures

Learning Package – Men’s Health (2 weeks)

The Urinary System : Chapter 23: 23.1 - .5, 23.7

- Kidney function and anatomy
- Urine formation
- Urine storage and elimination

Quiz I - Thurs. Sept. 26th

Learning Package - Denny and Cokum (2 weeks)

The Endocrine System : Ch. 17

- Endocrine Glands
- Hormone classification
- Hormone action
- Hormone interactions
- Endocrine disorders

Learning Package – Lacey, Evan, and Baby Joshua (2 weeks)

Embryonic and Fetal Development : Ch. 29: 29.1, .2

- Fertilization and implantation (review)
- Fetal Development
- The neonate

Pregnancy and Childbirth : Ch. 28: 28.5

- Hormones of pregnancy
- Adjustments to pregnancy
- Childbirth

Lactation : Ch. 28: 28.6

Chromosomes and Heredity : Ch. 4: 4.4

The Neonate and Birth Defects: Ch. 29: 29.3

Midterm – Thurs. Oct. 24th