



DEPARTMENT OF SCIENCE

COURSE OUTLINE – PZ 1510

ELEMENTARY PHYSIOLOGY II – WINTER 2014

INSTRUCTOR: Dr. Sean Irwin, Ph.D. **PHONE:** 539-2860 (W); 567-2226
OFFICE: J 221 **E-MAIL:** sirwin@gprc.ab.ca

OFFICE HOURS: Tues. and Thurs. 10:00 – 11:20 am; Wed. 1:00 – 2:20 pm

PREREQUISITE(S)/COREQUISITE: PZ 1500

REQUIRED TEXT/RESOURCE MATERIALS:

Saladin, K.S. (2010), Anatomy and Physiology : The Unity of Form and Function, 5th 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 202

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:

**** 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

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

EVALUATIONS:

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

STUDENT RESPONSIBILITIES:

Students are responsible for the course material presented in lectures and assigned readings.

STATEMENT ON PLAGIARISM AND CHEATING:

Refer to the Student Conduct section of the College Admission Guide at

<http://www.gprc.ab.ca/programs/calendar/> or the College Policy on Student Misconduct: Plagiarism and Cheating at www.gprc.ab.ca/about/administration/policies/**

**Note: all Academic and Administrative policies are available on the same page.

COURSE SCHEDULE/TENTATIVE TIMELINE: Section YA2

Learning Packages – Pierre Dupont and Adam Ennman (2 weeks)

Neuron Pysiology: Chapter 12

The Central Nervous System : Chapter 14

- CNS Function
- Processing
- C.V. Stroke
- C.V. MS, Schizophrenia

Learning Package - Janet (2 weeks)

The cardiovascular system : Chapter 19

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

Quiz II – January 30th , A312

The cardiovascular system : Chapter 19

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

Learning Package - Janet (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

Human Development : Chapter 29

- Aging
- C.V. Cancer

Final Exam – Feb. 27th , A312

COURSE SCHEDULE/TENTATIVE TIMELINE: Section YB2

Learning Packages – Pierre Dupont and Adam Ennman (2 weeks)

Neuron Pysiology: Chapter 12

The Central Nervous System : Chapter 14

- CNS Function
- Processing
- C.V. Stroke
- C.V. MS, Schizophrenia

Learning Package - Janet (2 weeks)

The cardiovascular system : Chapter 19

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

Quiz II – March 27th , A313

The cardiovascular system : Chapter 19

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

Learning Package - Janet (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

Human Development : Chapter 29

- Aging
- C.V. Cancer

Final Exam Scheduled by the Registrar's Office