



## DEPARTMENT OF SCIENCE

### COURSE OUTLINE – PZ 1510

#### ELEMENTARY PHYSIOLOGY II – WINTER 2012

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

**OFFICE HOURS:** Tues., Wed., and Thurs. 10:00 – 11:20 am

**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.
- 4.

**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:**

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

## 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/\\*\\*](http://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 Physiology: 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 26<sup>th</sup>**

#### **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. 16<sup>th</sup>**

### **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 20<sup>th</sup>**

##### **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**