



## DEPARTMENT OF SCIENCE

### COURSE OUTLINE – NS 1050

### ANATOMY – WINTER 2015

**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. and Thurs. 10 - 11:20 am; Wed. 1 – 2:20 pm

**PREREQUISITE(S)/COREQUISITE:** Biology 30 and Chemistry 30 or equivalents.

#### REQUIRED TEXT/RESOURCE MATERIALS:

Saladin, K.S. (2012), 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 anatomy for the health sciences. It gives students the opportunity to gain basic knowledge of human tissues, organs, systems and body structures, the related terminology and how these structures relate to function.

**CREDIT/CONTACT HOURS:** 3 Credits (3-0-0) 45 Hours

**DELIVERY MODE(S):** Lectures – Monday 1:00 – 2:20 pm, Rm. A314  
Friday 8:30 – 9:50 am, Rm. A301

#### OBJECTIVES:

1. To gain a further understanding of the structure of the human body.
2. To gain an understanding of human anatomy that will facilitate future work in the medical field.

3. To develop critical thinking skills with respect to the anatomy of the human body.

**TRANSFERABILITY: AU, U of A, U of L**

\*\* 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 YA1**

### **Week 1:**

- The Spinal Chord and Spinal Nerves; Ch. 13:479-500.

### **Week 2:**

- The Brain and Cranial Nerves; Ch. 14: 512 - 516 , 546 – 556.
- The Autonomic Nervous System; Ch. 15: 565 - 572.

### **Week 3:**

- The Sense Organs : Ch 16: 586 ; 591- 615 (Anatomy only).
- The Circulatory System - The Heart; Ch. 19: 717 – 727.

### **Week 4:**

- The Circulatory System – Blood Vessels; Ch. 20: 750 – 758, 771 – 772, 773 – 802 (Selected vessels)
- The Respiratory System; Ch. 22: 855 – 866
- Quiz II Jan. 30<sup>th</sup>

### **Week 5:**

- The Urinary System; Ch. 23: 898 – 904, 920 – 922.
- The Digestive System; Ch. 25 – Anatomy only.

### **Week 6:**

- The Male Reproductive System; Ch. 27: 1035 – 1036, 1040 – 1047.
- The Female Reproductive System; Ch. 28: 1065 – 1075.

### **Week 7:**

- Winter break Feb. 17 – 21.

### **Week 8:**

- Human Development; Ch. 29: 1106 – 1118.
- Final Exam Feb. 27<sup>th</sup>

## **COURSE SCHEDULE/TENTATIVE TIMELINE: Section YB1**

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- The Sense Organs : Ch 16: 586 ; 591- 615 (Anatomy only).
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### **Week 4:**

- The Circulatory System – Blood Vessels; Ch. 20: 750 – 758, 771 – 772, 773 – 802 (Selected vessels)
- The Respiratory System; Ch. 22: 855 – 866
- Quiz II March 27<sup>th</sup>

### **Week 5:**

- The Urinary System; Ch. 23: 898 – 904, 920 – 922.
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### **Week 7:**

- Human Development; Ch. 29: 1106 – 1118.
- Final Exam – Scheduled by the Registrar's office