



**DEPARTMENT OF SCIENCE**

**COURSE OUTLINE – NS 1050**

**HUMAN ANATOMY – 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 - 2:20 pm  
Wed. 10 – 11:20am and Fri. 11:30 – 1:00 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) UT

**DELIVERY MODE(S):** Lectures – Monday 1:00 – 2:20 pm, Rm. D308  
Friday 8:30 – 9:50 am, Rm. A313

**OBJECTIVES (OPTIONAL):**

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:**

\*\* 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/B2**

### **Week 1:**

- Introduction
- Chemistry of Life; Ch. 2: 48 - 50; 59 - 69, Ch. 4:115 - 120.

### **Week 2:**

- Anatomy of the Cell; Ch.3: 3.1, 3.2 and 3.4.
- Orientation to Human Anatomy; Atlas A
- Histology; Ch. 5: 5.2, 5.3 and 5.4, 170 - 171.
  - tissues, germ layers, membranes

### **Week 3:**

- Skeletal System; Ch. 8: 8.1, 8.2 and 8.3.

### **Week 4:**

- Skeletal System; Ch. 8: 8.4 and 8.5.
- Joints; Ch. 9: 9.1, 299 – 305.
  - The shoulder and knee joints

### **Week 5:**

- Quiz I – Monday, Sept. 30<sup>th</sup>.
- Muscular System; Ch. 10: 10.1, 10.2 and 10.3.

### **Week 6:**

- Muscular System; Ch. 10: 10.4 and 10.5.
- Regional and Surface Anatomy: Atlas B

### **Week 7:**

- Integumentary System; Ch. 6: 6.1, 6.2 and 6.3.

### **Week 8:**

- Midterm – Friday, Oct. 25<sup>th</sup>.