



DEPARTMENT OF PHYSICAL EDUCATION AND KINESIOLOGY

COURSE OUTLINE – FALL 2016

PE1000: STRUCTURAL ANATOMY 3 credit (3-0-2) UT 75 HRS.

INSTRUCTOR: Ray Kardas

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OFFICE HOURS: TBA

CALENDAR DESCRIPTION:

Introductory study of human anatomy. Students learn structural and functional components of selected systems of the human body.

PREREQUISITE(S)/COREQUISITE: None

REQUIRED TEXT/RESOURCE MATERIALS:

Required for lecture component:

Martini, F.H., Ober, W.C., Bartholomew, E.F., and Nath, J.L. (2013). Visual Essentials of Anatomy and Physiology. Boston: Pearson.

Required lab component:

Marieb, E.N. (2015). Essentials of Human Anatomy and Physiology, 6e. Boston: Pearson.

DELIVERY MODE(S): The course work includes lectures including multimedia class discussions, group work-in lab sessions; in-class exercises and online practice exercises.

COURSE OBJECTIVES:

Use and understand the anatomical terminology favoured by professionals in the health-related fields, Describe the major characteristics of the various systems that comprise the human body, and Know the structural importance of anatomy to the functioning of the human body.

LEARNING OUTCOMES:

After completing PE1000, students will be able to:

- Understand and utilize the basic language of human anatomy,
- Apply standard anatomical terms and concepts for the purpose of identification, communication and critical reading of relevant anatomical (medical) literature,
- Analyze and discuss the gross (macroscopic) and histology (microscopic) anatomy (and relevant functions) of the tissues, organs and systems of the human body, and
- Develop and apply a systematic logical thinking process to help the student work through understanding the structure and function of the human body.

TRANSFERABILITY

Transfers to UA, UC*, UL, AU, AF, CU, CUC, KUC*, GMU

***Warning:** Although we strive to make the transferability information in this document up-to-date and accurate, **the student has the final responsibility for ensuring the transferability of this course to Alberta Colleges and Universities.** Please consult the Alberta Transfer Guide for more information. You may check to ensure the transferability of this course at Alberta Transfer Guide main page <http://www.transferalberta.ca> or, if you do not want to navigate through few links, at <http://alis.alberta.ca/ps/tsp/ta/tbi/onlinesearch.html?SearchMode=S&step=2>

** 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**

Please refer to the Alberta Transfer guide for current transfer agreements:
www.transferalberta.ca

COURSE SCHEDULE/TENTATIVE TIMELINE:

A. Lecture Component:

The course examines the anatomy of the body by way of a systemic approach:

Weeks 1-3 (August 31 – September 16)

Introduction to Anatomy

- Cells and Tissues
- Integumentary System
- Skeletal System (section 1: pp. 145-160)

Weeks 4-5

- Skeletal System (continued)
- Muscular System (Functional Anatomy of Muscular Tissue)

Weeks 6-7

- Muscular system (Functional Organization of Selected Muscle groups)
- Central Nervous System

Weeks 8 – 10

- Peripheral and Autonomic Nervous Systems
- The Endocrine System
- Blood and Blood Vessels

Weeks 11-14

- The Heart and Cardiovascular System
- The Lymphatic System/Immunity
- Respiratory System
- Digestive System
- Urinary System
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B. Laboratory Component:

Students shall attend ALL LABS and when necessary for the purpose of the LAB must dress in gym attire: i.e. loose fitting shirts, shorts and sweats, gym shoes and socks. Students must attend the lab section for which they registered as the sequence is different for LAB **A** and LAB **B**. Each absence from the LAB will result in a 2% reduction for the total lab component of the course (30%)

Lab A2: Tuesdays, 12:00-1:50 pm (13 labs)

Sept. 6: 1, 2 and 3
 Sept. 13: 5, 6
 Sept. 20: 7, 8, and 9
 Sept. 27: 7, 8, 9 and 10
 Oct. 4: 11, Review
 Oct. 11: **Lab Mid-term**
 Oct. 18: 13, 14, and 15
 Oct. 25: 18 & 19
 Nov. 1: 20 & 21
 Nov. 8: 23
 Nov. 15: 25 & 26
 Nov. 22: Review
 Nov. 29: **Final Lab Exam**

Lab B2: Thursdays, 12:00 – 1:50 pm (13 labs)

Sept. 1: 1, 2, and 3
 Sept. 8: 5 & 6
 Sept. 15: 7, 8, & 9
 Sept. 22: 7, 8, 9 and 10
 Sept. 29: 11/Review
 Oct. 6: **Lab Mid-term**
 Oct. 13: 13, 14 & 15
 Oct. 20: 18 & 19
 Oct. 27: 20 & 21
 Nov. 3: 23
 Nov. 10: **Fall Break**
 Nov. 17: 24, 25 & 26
 Nov. 24: Review

EVALUATIONS:

A. For the Lecture/Theory Component:

Class Tests 40%

Final Exam (in exam schedule for both A2 and B2 sections) 30%

B. For the Laboratory Components 30%

Mid-term Lab Exam: **A2: October 11 15%**

B2: October 16 15%

Final Lab Exams: **A2: November 29 15%**

B2: December 1 15%

100%

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

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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

STUDENT RESPONSIBILITIES:

Refer to the College Policy on Student Rights and Responsibilities at

<https://www.gprc.ab.ca/about/administration/policies>

STATEMENT ON PLAGIARISM AND CHEATING:

Cheating and plagiarism will not be tolerated and there will be penalties. For a more precise definition of plagiarism and its consequences, refer to the Student Conduct section of the College Calendar at <http://www.gprc.ab.ca/programs/calendar/> or the College Policy on Student Misconduct: Plagiarism and Cheating at <https://www.gprc.ab.ca/about/administration/policies>