DEPARTMENT OF PHYSICAL EDUCATION AND KINESIOLOGY

COURSE OUTLINE – FALL 2017

PE1000 B2: STRUCTURAL ANATOMY 3 credit (3-0-2) UT 75 HRS.

INSTRUCTOR: Ray Kardas **PHONE:** 780 539-2990

OFFICE: K214 **E-MAIL:** rkardas@gprc.ab.ca

OFFICE HOURS: TBA

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

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. (2018). Essentials of Human Anatomy and Physiology, 7e. Boston: Pearson.

CALENDAR DESCRIPTION:

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

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.

COURSE SCHEDULE/TENTATIVE TIMELINE:

Monday & Wednesday 14:30 – 15:50, J201

A. Lecture Component:

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

Weeks 1-3 (August 30 – September 18)

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 L1: Tuesdays, 12:00-1:50 pm (13 labs)
Sept. 5: 1, 2 and 3
Sept. 23: 5, 6
Sept. 19: 7, 8, and 9
Sept. 26: 7, 8, 9 and 10
Oct. 3: 11, Review
Oct. 10: **Lab Mid-term**
Oct. 17: 13, 14, and 15
Oct. 24: 18 & 19
Oct. 31: 20 & 21
Nov. 7: 23
Nov. 14: 25 & 26
Nov. 21: Review
Nov. 28: **Final Lab Exam**

Lab L2: Thursdays, 12:00 – 1:50 pm (13 labs)
Sept. 7: 1, 2, and 3
Sept. 14: 5 & 6
Sept. 21: 7, 8, & 9
Sept. 28: 7, 8, 9 and 10
Oct. 5: 11/Review
Oct. 12: **Lab Mid-term**
Oct. 19: 13, 14 & 15
Oct. 26: 18 & 19
Nov. 2: 20 & 21
Nov. 9: 23
Nov. 16: **Fall Break**
Nov. 23: 24, 25 & 26
Nov. 30: **Final Lab Exam**

Lab L3: Fridays, 10:00 – 11:50 am (13 labs)
Sept. 1: Labs 1, 2, & 3
Sept. 8: 5, 6
Sept. 15: 6, 7 & 8
Sept. 22: 6, 7, 8 continued
Sept. 29: 9, 10
Oct. 6: II, Review
Oct. 13: **Lab Mid-Term**
Oct. 20: 13, 14 & 15
Oct. 27: 18, 19
Nov. 3: 20, 21
Nov. 10: **Fall Break**
Nov. 17: 23, 24
Nov. 24: 25, 26
Dec. 1: **Final Lab Exam**

EVALUATIONS:

A. For the Lecture/Theory Component:

Class Tests (Sept. 20, Oct. 11, Nov. 8, Nov. 22) *			40%
Final Exam (in exam schedule for both A2 and B2 sections)			30%
B. For the Laboratory Components			30%
Mid-term Lab Exam:	L1: October 10	15%	
	L2: October 12	15%	
	L3: October 13	15%	
Final Lab Exams:	L1: November 28	15%	
	L2: November 30	15%	
	L3: December 1	15%	
			100%

***Some of these dates may vary to facilitate student learning**

GRADING CRITERIA:

GPRC 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

GRANDE PRAIRIE REGIONAL COLLEGE

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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**

STUDENT RESPONSIBILITIES:

Refer to the College Policy on Student Rights and Responsibilities on the GPRC website.

STATEMENT ON PLAGIARISM AND CHEATING:

Refer to the College Student Misconduct: Academic and Non-Academic Policy on the GPRC website.

**Note: all Academic and Administrative policies are available at www.gprc.ab.ca/about/administration/policies/

UNIVERSITY TRANSFER (If applicable):

** 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

