



DEPARTMENT OF PHYSICAL EDUCATION AND KINESIOLOGY

COURSE OUTLINE – FALL 2020

PE1000 A2/B2: STRUCTURAL ANATOMY 3 credit (3-0-2) UT 75 HRS. 15 WKS.

INSTRUCTOR: Fabio Minozzo **EMAIL:** fminozzo@gprc.ab.ca
CO-INSTRUCTOR: Alexander Villafranca **EMAIL:** avillafranca@gprc.ab.ca

OFFICE HOURS: Drop in or by appointment

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

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

**FALL 2020 DELIVERY: Remote Delivery. This course is delivered remotely. There are no face-to-face or onsite requirements. Students must have a computer with a webcam and reliable internet connection. Technological support is available through helpdesk@gprc.ab.ca.*

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.

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,
- 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,

- Develop and apply a systematic logical thinking process to help the student work through understanding the structure and function of the human body.

COURSE SCHEDULE TENTATIVE TIMELINE:

Lectures:

A2 – Tuesdays and Thursdays: 13:00 – 14:20

B2 – Monday and Wednesdays: 16:00 – 17:20

Labs:

L1 – Mondays: 11:30 – 13:20

L2 – Thursdays: 14:30 – 16:20

L3 – Fridays: 8:30 – 10:20 or 14:30 – 16:20

PE1000 STRUCTURAL ANATOMY FALL 2020 SCHEDULE (Tentative)							
LECTURE COMPONENT							
Monday (B2)	TOPIC	Tuesday (A2)	TOPIC	Wednesday (B2)	TOPIC	Thursday (A2)	TOPIC
31-Aug-20	no classes	1-Sep-20	no classes	2-Sep-20	Course presentation	3-Sep-20	Course presentation
7-Sep-20	introduction	8-Sep-20	introduction	9-Sep-20	introduction	10-Sep-20	introduction
14-Sep-20	Cells and Tissues	15-Sep-20	Cells and Tissues	16-Sep-20	Cells and Tissues	17-Sep-20	Cells and Tissues
21-Sep-20	Skeletal System	22-Sep-20	Skeletal System	23-Sep-20	Skeletal System	24-Sep-20	Skeletal System
28-Sep-20	Skeletal System	29-Sep-20	Skeletal System	30-Sep-20	Skeletal System	1-Oct-20	Skeletal System
5-Oct-20	Muscular System	6-Oct-20	Muscular System	7-Oct-20	Muscular System	8-Oct-20	Muscular System
12-Oct-20	Thanksgiving	13-Oct-20	Fall Break	14-Oct-20	Fall Break	15-Oct-20	Fall Break
19-Oct-20	Review in class	20-Oct-20	Review in class	21-Oct-20	MIDTERM	23-Oct-20	MIDTERM
26-Oct-20	Muscular System	27-Oct-20	Muscular System	28-Oct-20	Muscular System	30-Oct-20	Muscular System
2-Nov-20	Central Nervous System	3-Nov-20	Central Nervous System	4-Nov-20	Central Nervous System	6-Nov-20	Central Nervous System
9-Nov-20	Periph. & Aut. Nerv. Sys.	10-Nov-20	Periph. & Aut. Nerv. Sys.	11-Nov-20	Periph. & Aut. Nerv. Sys.	13-Nov-20	Periph. & Aut. Nerv. Sys.
16-Nov-20	Blood and Vessels	17-Nov-20	Blood and Vessels	18-Nov-20	The Heart	20-Nov-20	The Heart
23-Nov-20	Respiratory System	24-Nov-20	Respiratory System	25-Nov-20	Respiratory System	27-Nov-20	Respiratory System
30-Nov-20	Endocrine System	1-Dec-20	Endocrine System	3-Dec-20	Urinary System	5-Dec-20	Urinary System
7-Dec-20	Digestive System	8-Dec-20	Digestive System	9-Dec-20	Review in class	11-Dec-20	Review in class
14-Dec-20	Exam Period	15-Dec-20	Exam Period	16-Dec-20	Exam Period	18-Dec-20	Exam Period
LABORATORIES							
MON (L1)	# and TOPIC	TUE (L2)	# and TOPIC	FRI (L3)	# and TOPIC		
1-Sep-20	no labs	2-Sep-20	no labs	5-Sep-20	no labs		
8-Sep-20	1-cells and tissues	9-Sep-20	1-cells and tissues	12-Sep-20	1-cells and tissues		
15-Sep-20	2-Skeletal System	16-Sep-20	2-Skeletal System	19-Sep-20	2-Skeletal System		
22-Sep-20	3-Skeletal System	23-Sep-20	3-Skeletal System	26-Sep-20	3-Skeletal System		
29-Sep-20	4-Skeletal System	30-Sep-20	4-Skeletal System	3-Oct-20	4-Skeletal System		
6-Oct-20	LAB TEST I	7-Oct-20	LAB TEST I	10-Oct-20	LAB TEST I		
13-Oct-20	Fall Break	14-Oct-20	Fall Break	17-Oct-20	Fall Break		
20-Oct-20	5-Muscular System	21-Oct-20	5-Muscular System	24-Oct-20	5-Muscular System		
27-Oct-20	6-Muscular System	28-Oct-20	6-Muscular System	31-Oct-20	6-Muscular System		
3-Nov-20	7-Muscular System	4-Nov-20	7-Muscular System	7-Nov-20	7-Muscular System		
10-Nov-20	8-Nervous System	11-Nov-20	8-Nervous System	14-Nov-20	8-Nervous System		
17-Nov-20	9-Cardioresp. System	18-Nov-20	9-Cardioresp. System	21-Nov-20	9-Cardioresp. System		
24-Nov-20	10-Endo/Urin/Digest	25-Nov-20	10-Endo/Urin/Digest	28-Nov-20	10-Endo/Urin/Digest		
1-Dec-20	LAB TEST II	2-Dec-20	LAB TEST II	5-Dec-20	LAB TEST II		
8-Dec-20	no labs	9-Dec-20	no labs	12-Dec-20	no labs		

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

EVALUATIONS:

LAB ACTIVITIES	10%
MIDTERM	20%
LAB TEST I	20%
LAB TEST II	20%
FINAL EXAM	30%
TOTAL	100%

**Note: 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 L1, L2, and L3. Each absence from the LAB will result in a 10% reduction for the total lab component.*

Alpha Grade	4-point Equivalent	Percentage Guidelines	Alpha Grade	4-point Equivalent	Percentage Guidelines
A+	4.0	90-100	C+	2.3	67-69
A	4.0	85-89	C	2.0	63-66
A-	3.7	80-84	C-	1.7	60-62
B+	3.3	77-79	D+	1.3	55-59
B	3.0	73-76	D	1.0	50-54
B-	2.7	70-72	F	0.0	00-49

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