

## DEPARTMENT OF KINESIOLOGY AND HEALTH SCIENCES

### COURSE OUTLINE – Winter 2025

**PE1000 (A3): Structural and Functional Anatomy – 3 (3-0-2) UT 75 Hours for 15 Weeks**

Northwestern Polytechnic acknowledges that our campuses are located on Treaty 8 territory, the ancestral and present-day home to many diverse First Nations, Metis, and Inuit people. We are grateful to work, live and learn on the traditional territory of Duncan's First Nation, Horse Lake First Nation and Sturgeon Lake Cree Nation, who are the original caretakers of this land.

We acknowledge the history of this land and we are thankful for the opportunity to walk together in friendship, where we will encourage and promote positive change for present and future generations.

<b>INSTRUCTOR:</b>	Dr. Brye McMorran	<b>PHONE:</b>	780-539-2971
<b>OFFICE:</b>	K215	<b>E-MAIL:</b>	bmcmorran@nwptech.ca
<b>OFFICE HOURS:</b>	By appointment		

**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:**

Behnke, R.S. and Plant, J.L., (2022). Kinetic Anatomy 4<sup>th</sup> edition, Human Kinetics. ISBN: 9781718201439.

**DELIVERY MODE(S):** This course will be delivered through a variety of lecture-based strategies including discussions, group work, in-class activities, labs, and individual student work.

**LEARNING OUTCOMES:** By the end of the course, students will be able to:

- Communicate effectively about anatomical principles, concepts, structures, and their relationships using appropriate terminology.
- Recognize and describe a range of anatomical structures, including systems, organs, and tissue types.

- Describe tissues and organs at macroscopic and microscopic levels, including their structure and function.
- Develop critical thinking and problem-solving skills in the context of anatomy.
- Understand how anatomical structures contribute to human movement.
- Identify surface landmarks and palpate anatomical structures.

## TRANSFERABILITY:

Please consult the Alberta Transfer Guide for more information. You may check to ensure the transferability of this course at the Alberta Transfer Guide main page <http://www.transferalberta.alberta.ca>.

\*\* 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.**

## EVALUATIONS:

Assessment	%	Due Date
Midterm	30%	13-Feb
Exam	30%	TBD
Project/Presentation	20%	Mar 17-21
Lab Assessments/Quizzes	20%	Throughout the Semester during labs

## GRADING CRITERIA:

Please note that most universities will not accept your course for transfer credit **IF** your grade is **less than C-**.

Alpha Grade	4-point Equivalent	Percentage Guidelines	Alpha Grade	4-point Equivalent	Percentage Guidelines
A+	4.0	95-100	C+	2.3	67-69
A	4.0	85-94	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

## COURSE SCHEDULE/TENTATIVE TIMELINE:

### Lectures

Tuesday/Thursday 2:30 – 3:50 pm

### Labs

L1 – Mondays 8:00 – 9:50 am

L2 – Fridays 2:30 – 4:20 pm

The instructor reserves the right to alter the pace, scope, and/or breadth of the topics covered to facilitate student learning and to cohere with the natural flow of class discussions.

Week	Lecture	LECTURE: Topic
1	Jan 7-9	Introduction and Terminology
2	Jan 14-16	Head/Neck
3	Jan 21-23	Back
4	Jan 28-30	Upper limb
5	Feb 4-6	Upper limb
6	Feb 11-13	Review/Midterm
<b>7</b>	<b>Feb 18-20</b>	<b>BREAK</b>
8	Feb 25-27	Thorax/Abdomin
9	Mar 4-6	Lower limb
10	Mar 11-13	Lower limb
11	Mar 18-20	Lower limb
12	Mar 25-27	Nervous System
13	Apr 1-3	Cardiovascular/Circulatory System
14	Apr 8-10	Respiratory System/Digestive System
<b>15</b>	<b>Apr 14-23</b>	<b>EXAM PERIOD</b>

Week	Lab	LAB: Topic
1	Jan 6-10	Introduction and Terminology + Assessment 1
2	Jan 13-17	Head/Neck + Assessment 2
3	Jan 20-24	Back + Assessment 3
4	Jan 27-31	Upper limb + Assessment 4
5	Feb 3-7	Upper limb + Assessment 5
6	Feb 10-14	Review Project + Assessment 6
<b>7</b>	<b>Feb 17-21</b>	<b>BREAK</b>
8	Feb 24-28	Thorax/Abdomin + Assessment 7
9	Mar 3-7	Lower limb + Assessment 8
10	Mar 10-14	Lower limb + Assessment 9
11	Mar 17-21	Project Presentations
12	Mar 24-28	Review Lower Limb + Nervous System
13	Mar 31- Apr 4	Cardiovascular System + Assessment 10
14	Apr 7-11	Respiratory System/Digestive System/Review
<b>15</b>	<b>Apr 14-23</b>	<b>EXAM PERIOD</b>

## STUDENT RESPONSIBILITIES:

Students are expected to come to class prepared and regular attendance is critical to succeed in this class. Students should contact the instructor in advance if they are unable to attend. It is the student's responsibility to acquire any materials and content missed due to absence.

Lectures/Slides will be provided to students in a format of the instructors choosing. You may not always receive complete slides or there may be alterations to the ones posted. It is the student's job to ensure they are taking appropriate notes.

Refer to Northwestern Polytechnic policy on the Student Rights and Responsibilities on the NWP website.

All assignments are expected to be submitted on the due date. Late assignments will be deducted 10% per day up to 5 days late. After 5 days late, assignments will not be accepted and receive a grade of 0. Each day will consist of the 24-hour period following the due date, including weekdays and weekends. Valid reasons for submission of late assignments as well as absence from labs, tests, midterm exam need to be communicated to the instructor as soon as possible and are limited to:

- Medical emergencies (physician note may be required)
- Death in the immediate family (death certificate may be required)
- Other significant occurrences (some form of documentation may be required)

## STATEMENT ON ACADEMIC MISCONDUCT:

Academic Misconduct will not be tolerated. For a more precise definition of academic misconduct and its consequences, refer to the Student Rights and



Responsibilities policy available

at <https://www.nwpolytech.ca/about/administration/policies/index.html>.

\*Note: all Academic and Administrative policies are available on the same page.