NORTHWESTERN POLYTECHNIC

DEPARTMENT OF KINESIOLOGY AND HEALTH SCIENCES

COURSE OUTLINE – Fall 2025

PE1000 (A2/L1/L2): 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.

INSTRUCTOR:	Brye McMorran	**PHONE:**	780-539-2971
OFFICE:	K215	**E-MAIL:**	bmcmorran@nwpolytech.ca
OFFICE HOURS:	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 MATERIALS:
Behnke, R.S. and Plant, J.L., (2022). Kinetic Anatomy 4th 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	Oct. 16 – During lecture
Exam	30	Exam Period
Project Presentation	20	L1 - Dec. 5 – During lab L2 - Dec. 4 – During lab
Lab Assessments	20	Throughout the semester during lab (10 assessments, 2% each)

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:

The instructor reserves the right to alter the pace, scope, and/or breadth of the topics covered to facilitate student learning.

Week	Day	Lecture Topic	Lab Topic	Assessment
1	Sep. 3 - 5	Course Introduction	No Lab	
2	Sep. 8 - 12	Terminology Introduction to anatomical structures	Terminology Anatomical Structures	1. Academic Integrity Pledge
3	Sep. 15 - 19	Head Neck	Head Neck	2. Terminology + Anatomical Structures
4	Sep. 22 - 26	Back Shoulder	Back	3. Head + Neck
5	Sep. 29 - Oct. 3 *Truth & Reconciliation Day Sep. 30 – No classes*	Shoulder Brachial Plexus	Shoulder	4. Back
6	Oct. 6 - 10	Elbow Wrist	Brachial Plexus	5. Shoulder
7	Oct. 13 - 17	Review/Midterm	Presentation practice	6. Survey
8	Oct. 20 - 24	Gluteal Region Hip - Thigh	Gluteal Region	7. Brachial Plexus
9	Oct. 27 - 31	Knee Ankle - Shank & Foot	Lower Limb	8. Gluteal Region
10	Nov. 3 - 7	Thorax and Abdomen	Thorax and Abdomen	9. Lower Limb
11	Nov. 10 - 14	FALL BREAK		
12	Nov. 17 - 21	Circulatory System Respiratory System	Circulatory System	10. Lower Limb
13	Nov. 24 - 28	Respiratory System Digestive System	Presentation practice	None
14	Dec. 1 - 5	Nervous System	Presentations	None
15	Dec. 8 - 12	Catch-up / Review	No Lab	

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.

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 https://www.nwpolytech.ca/about/polytechnic-leadership/policies-directory.

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

POLICY ON THE USE OF ARTIFICIAL INTELLIGENCE (AI): The use of Artificial Intelligence (AI), including Large Language Models (LLMs) and other related technologies, has grown significantly in recent years and is now part of everyday reality. The intent of this policy is not to prohibit their use entirely, but to ensure it is applied appropriately and transparently in accordance with established course guidelines. This policy applies only to this course; other instructors may have different policies, and students should not assume these rules apply elsewhere. When no specific rules are established for a given task, the following defaults will apply: **i. For Assignments, Reports, and Presentations** – AI tools may be used to assist in brainstorming but may not be used to generate the complete work; if AI is used, references are required, students must read and verify them to ensure accuracy and existence; any information generated by AI must be independently verified using credible sources; and students must fully understand the material they submit. The instructor may interview students to assess their understanding, and a demonstrated lack of knowledge will be treated as probable academic misconduct. **ii. For Tests, Exams, and Quizzes** – the use of AI tools, search engines, communication devices, or any feature enabling communication with external entities is strictly prohibited. Once specific rules are set for a task, those rules override these defaults, which will no longer apply. Any breach of the applicable rules will be addressed under the institution's academic misconduct procedures.

POLICY ON INSTRUCTIONAL RESOURCES AND MATERIALS: Any course resource/material should be properly used: the content created by your instructor is their intellectual property and is provided to you based upon your registration for this class; as such, the material is for your private use only. It is not to be distributed, publicly exhibited, or sold without the permission of the instructor. Third party

materials (such as assigned readings, videos, etc.) have either been licensed for use in this course or fall under an exception or limitation in Canadian Copyright law.

POLICY ON ATTENDANCE: Attendance in this course is MANDATORY. Students are strongly recommended to attend all lectures and labs; however, they must attend at least 75% of the labs. This translates to 9 labs**. If a student misses more than 25% of the labs (3 labs), they will be debarred from the Final Exam, see Final Examination Policy.** In exceptional circumstances, the instructor may allow a student to miss more classes than the minimum, but these issues will be addressed case-by-case.

POLICY ON LATE/MISSED ASSESSMENTS: 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)

INFORMED CONSENT FOR PHYSICAL ACTIVITY AND EXERCISE: This course includes physical activity, exercise, and/or fitness assessments as part of its learning and evaluation components. By enrolling in this course, you acknowledge and accept the following:

- You may be asked to participate in physical activity sessions, which include aerobics and/or musculoskeletal training.
- While the risk is minimal, physical activity may involve potential adverse effects such as episodes of transient lightheadedness, loss of consciousness, abnormal heart rate and/or blood pressure, chest discomfort, leg cramps, nausea). You voluntarily assume these risks.
- You are responsible for promptly informing your instructor(s) of any pain, discomfort, fatigue, or other symptoms experienced during or within 48 hours of the course session.
- You must disclose any health conditions that could be affected by physical activity. The instructor(s) will make reasonable modifications, where appropriate, and may request documentation from a qualified health professional.