

Department of Practical Nurse and Health Care Aide

COURSE OUTLINE – Fall 2023

**NP1500: Anatomy and Physiology – 6 (6-0-0) 90 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:** Paige Machuk

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**OFFICE HOURS:**

By appointment

**CALENDAR DESCRIPTION:**

Introduction to the structure, organization, and functions of the human body.

NOTE: Available only to Practical Nursing Students

**PREREQUISITE(S):** Biology 30 or equivalent

**COREQUISITE:** NP1205, NP1250, NP1280

**REQUIRED TEXT/RESOURCE MATERIALS:**

Solomon, E.P. (2016). Introduction to human anatomy and physiology (4th ed.). Elsevier.

Elsevier Adaptive Quizzing (EAQ) 4th edition Next Gen, is available for purchase through the NWP Polytechnic bookstore. This is a required online NCLEX prep resource. The EAQ will assist students with preparing to write the NCLEX-PN registration exam. This resource will provide students with a 24-month online review/prep course to use as they progress through the PN

program.

**DELIVERY MODE(S):** In person- Lecture

**LEARNING OUTCOMES**

1. To gain further understanding of the structures and physiological processes of the human body.
2. Demonstrate critical thinking skills with respect to anatomy, physiology and principles of microbiology.
3. Develop knowledge of medical terminology.
4. To gain an understanding of anatomy and physiology that will facilitate future work in the medical field.

**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:**

Academic Evaluation	Weight	Date	Related Course Learning Outcome
Midterm Exam #1	30%	Week 5	1, 2, 3, 4
Midterm Exam #2	30%	Week 10	1, 2, 3, 4
Final Exam	40%	During Final Exam Week	1, 2, 3, 4

**1. Midterm Exam #1**

The first midterm examination includes all content covered up to and including Week 4. Question format includes a variety of styles including, but not limited to multiple choice, short answer, long answer, matching, and select all that apply. (Subject to change)

**2. Midterm Exam #2**

The second midterm examination includes all content covered from Week 6 up to and including Week 9 Question format includes a variety of styles including, but not limited to multiple choice, short answer, long answer, matching, and select all that apply. (Subject to change)

**3. Final Exam**

The final examination includes all content covered throughout the course. Question format includes a variety of styles including, but not limited to multiple choice, short answer, long answer, matching, and select all that apply. Scheduling of the final exam is set by the Registrar's Office.

**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

**PROGRESSION CRITERIA**

Academic Progression Criteria

A grade of C- is the minimum passing grade for all Practical Nursing courses in the program. For promotion from term to term in the program and for graduation, students must have successfully completed all the required Practical Nursing and non-Practical Nursing courses of the previous term.

A student with a GPA of 1.69 or lower must withdraw from the Practical Nursing program. Readmission to the program is subject to departmental review. Students who withdraw or fail twice from a required practical nursing course will be withdrawn

from the program and ineligible for re-admission.

**COURSE SCHEDULE/TENTATIVE TIMELINE:**

Week	Topic	Text Resource
1	The Human Body Cells and Tissues	Chapter 1 Chapter 2
2	The Integumentary System The Skeletal System	Chapter 3 Chapter 4
3	The Muscular System	Chapter 5
4	The Central Nervous System	Chapter 6
5	Review Class Midterm #1	Chapter 1-6
6	The Peripheral Nervous System	Chapter 7
7	The Sense Organs Endocrine Control	Chapter 8 and 9
8	The Circulatory System: Blood The Circulatory System: The Heart	Chapter 10 and 11
9	The Circulation of Blood and Lymph Immune Response	Chapter 12 and 13
10	Medical Microbiology – Principles and Processes Midterm #2	OER on my Class Chapters 7-14
11	The Respiratory System	Chapter 14
12	FALL BREAK	
13	The Digestive System	Chapter 15
14	The Urinary System and Fluid Balance	Chapter 16
15	Reproduction Final Exam Review	Chapter 17

**\*\*Subject to Change**

**STUDENT RESPONSIBILITIES:**

Refer to NWP Academic Policies

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

For policies related to clinical absences, immunizations, uniforms, and other clinical requirements please see the NWP Department of Nursing Education & Health Studies PN Student Handbook on myClass.

**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.

**LATE ASSIGNMENTS:**

To obtain credit in the course ALL assignments, examinations, and knowledge checks must be completed. Students are expected to make every effort to complete assignments on time. Assignment submissions are expected on the date determined by faculty. If extensions are necessary, they may be requested up to 48 hours prior to the assignment due date and should be submitted in writing to the faculty member involved. Not all extensions will be granted. In exceptional situations, extension requests within the 48-hour period may be considered. Late assignments will have 5% of total marks (or one letter grade) for the assignment deducted for each day/partial day (including weekend days) beyond the due time.

For example, a paper marked at B+ would receive an adjusted grade of B if handed in one day late. After 5 days, a grade of 0 will be awarded to the assignment. If the late penalty places the grade below the necessary pass grade, students will be unsuccessful in the course. When submitting assignments electronically, it is the student's responsibility to ensure the assignment has been received.

Papers/assignments may not be rewritten for a higher grade. Concerns regarding grading are to be discussed with the faculty member involved.