

Department of Practical Nurse & Health Care Aide

COURSE OUTLINE – Fall 2024

NP1500 (VA2): Anatomy and Physiology – 6(6-0-0) 90 hours in 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 in 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:	Jaclyn Lucas	PHONE:	780-835-6620
OFFICE:	TBI 135	E-MAIL:	jlucas@nwpolytech.ca
OFFICE HOURS:	By Appointment		

CALENDAR DESCRIPTION:

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

NOTE: This is only for Practical Nursing Students.

PREREQUISITE(S): Biology 30 or equivalent

COREQUISITE: NP1205, NP1250, NP1280

REQUIRED TEXT/

Patton, K. T., & Thibodeau, G. A. (2019). Structure & Function of the Body (16th Ed.). Elsevier

RESOURCE MATERIALS: Recommended

Patton, K. T., & Thibodeau, G. A. (2019). Structure & Function of the Body – Study Guide. (16th ed.). Elsevier

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.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	25%	Week 5	1, 2, 3, 4
Midterm Exam #2	25%	Week 10	1, 2, 3, 4
Final Exam	30%	During Final Exam Week	1, 2, 3, 4
Assignments			1, 2, 3, 4
1. Study Aid Drawings	10%	1. Before Midterm 1 & 2 and Final Exam	
2. Weekly Review Quizzes	10%	2. Weekly	

1. Midterm Exam #1 – all content 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.
2. Midterm Exam #2 – content from weeks 5 – 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.
3. Final Exam – content from weeks 10-15. 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.

4. Assignments will be both home and in-class activities.
 - a. These will include labelling and colouring different sheets related to weekly topics. Labelled diagrams for each chapter/unit – Rubric to be posted on D2L.

Criteria	Excellent (4)	Good (3)	Satisfactory (2)	Needs Improvement (1)
Accuracy of Labeling	All structures correctly labeled. No errors present.	Most structures correctly labeled with 1-2 minor errors.	Several structures (3-4) labeled incorrectly or omitted.	Multiple incorrect or missing labels. Lacks understanding of structure names.
Clarity of Labeling	Labels are neat, legible, and easy to read. Proper formatting used.	Labels are mostly clear, with few areas that are difficult to read.	Labels are somewhat unclear, with formatting issues or several legibility concerns.	Labels are unclear or illegible, significantly hindering understanding.
Coloring Accuracy	Coloring is accurate based on anatomical guides and reflects proper structure distinctions.	Coloring is mostly accurate, with 1-2 minor errors.	Coloring is somewhat accurate but contains noticeable errors or confusion.	Coloring is inaccurate, shows little attention to anatomical details.
Neatness & Presentation	Coloring is neat, stays within lines, and clearly distinguishes structures.	Coloring is mostly neat, with minor smudging or inconsistency.	Somewhat messy, with areas that are difficult to distinguish due to poor coloring.	Poorly colored, very messy, hard to distinguish between anatomical structures.
Effort & Completeness	Completed fully with attention to detail. Demonstrates high effort and thoroughness.	Completed mostly with some attention to detail. Minor sections may lack effort.	Incomplete in several areas or lacks attention to detail. Shows minimal effort.	Largely incomplete or lacks sufficient effort and attention to detail.

- b. Topic review quizzes to be done each week. These will review the topics we discussed in class, they will be multiple-choice question quizzes.

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:

Week	Topic	Text Resource
1	The Human Body Cells & Tissues	Chapters 1, 2, 3, 4, 5
2	The Integumentary System The Skeletal System	Chapter 6 Chapter 7
3	The Muscular System	Chapter 8
4	The Central Nervous System	Chapter 9
5	Review Class Midterm # 1	
6	The Peripheral Nervous System The Autonomic Nervous System	Chapter 9
7	The Sense Organs Endocrine Control	Chapter 10 Chapter 11
8	The Circulatory System: Blood The Circulatory System: The Heart	Chapter 12 Chapter 13
9	The Circulation of Blood & Lymph Immune Response	Chapter 14 Chapter 14
10	Review Class Midterm #2	
Week 11 – Fall Break – November 11-15 – No Classes		
12	The Respiratory System	Chapter 15
13	The Digestive System	Chapters 16 & 17
14	The Urinary System Fluid Balance	Chapter 18 Chapter 19

	Start of Reproduction	Chapter 21 & 22
15	Reproduction (Chapter 21 & 22) & Review Class Dec 10 th	
16	Exam Week is December 12 – 19 – Final exam date TBA	

STUDENT RESPONSIBILITIES:

As a student at NWP, you have rights and responsibilities. It is your responsibility to be familiar with the information contained in this Course Outline and the PN Student Handbook and to clarify any areas of concern with the Instructor. It is also your responsibility to be familiar with NWP Policies.

Please take the time to familiarize yourself with the policies that might impact you while you attend NWP:

- NWP Academic Policies, and Students Rights & Responsibilities:

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

- NWP Practical Nurse Handbook: <https://nwpolytech.ca/doc.php?d=PNHBK>

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.

STATEMENT ON PLAGIARISM AND CHEATING:

Cheating and plagiarism will not be tolerated and there will be penalties. For a more precise definition of plagiarism and its consequences, refer to the Student Conduct section of the Northwestern Polytechnic Calendar

at <https://www.nwpolytech.ca/programs/calendar/> or the Student Rights and Responsibilities policy which can be found

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

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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 the 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.