

DEPARTMENT OF PRACTICAL NURSE AND HEALTH CARE AIDE

COURSE OUTLINE – Fall 2024

HC 1020 A2: Human Body, Health, and Chronic Illness

3 (3.75-0-0) 45 hours for 12 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:
Brandi Krzysik LPN

PHONE:
780-539-2753

OFFICE:
HEC#350

E-MAIL:
BKrzysik@nwpolytech.ca

OFFICE HOURS:
By Appointment

CALENDAR DESCRIPTION:

In this course, you will study the systems that make up the human body and discuss the milestones of growth and development across a lifetime. You will read about and discuss the most common of the chronic illnesses that you may encounter, and you will learn how to provide safe care based on evidence-informed practices according to the clients' diagnoses, needs, and care plans. The information learned in this course will provide you with care strategies to support the client and the client's family through the process of a client's dying and death.

PREREQUISITE(S)/COREQUISITE:

HC1010, HC1030, HC1040

REQUIRED TEXT/RESOURCE MATERIALS:

Alberta Government. (2018, April). Alberta health care aide competency profile.

Retrieved November 9, 2021, from

<https://open.alberta.ca/publications/9781460137253>

Wilk, M. (2022). Sorrentino's Canadian clinical skills: Skills for personal support workers. <https://evolve.elsevier.com>

Wilk, M. (2022). Sorrentino's Canadian textbook for the support worker (5th ed.). Elsevier Inc.

Wilk, M., & Sekhon, N. (2022). Workbook to accompany Sorrentino's Canadian textbook for the support worker (5th ed.). Elsevier Inc.

RECOMMENDED TEXTBOOKS

Murray, L. (2014). Integrating a Palliative Approach: Essentials for Personal Support Workers. Saanichton, BC, Canada: Life and Death Matters.

DELIVERY MODE(S): Lecture and Lab

LEARNING OUTCOMES:

1. Define and use terminology related to the twelve body systems.
2. Describe the basic structure, function, and location of organs in the following body systems:
 - a. Integumentary
 - b. Musculoskeletal
 - c. Nervous
 - d. Sensory
 - e. Circulatory
 - f. Lymphatic
 - g. Respiratory
 - h. Digestive
 - i. Urinary
 - j. Reproductive
 - k. Endocrine
 - l. Immune
3. Explain the connection between foundational knowledge of the body systems and the provision of safe person-centred care.
4. Define and use terminology related to human growth and development.
5. Identify the stages of growth and development across the lifespan.
6. Describe psychosocial development tasks across the lifespan.

7. Discuss the implications for care in relation to sexuality and sexually transmitted infections (STIs) in seniors.
8. Discuss the concept of death as a stage of growth and development.
9. Describe the physical changes that occur with death and dying.
10. Identify four common trajectories of decline to death.
11. Reflect on your own experiences with aging, death, and dying and how this can affect the care you provide.
12. Describe how knowledge of growth and development supports person-centred care.
13. Define and use terminology related to aging.
14. Describe the expected physical changes that may occur with aging in the following body systems.
 - a. Integumentary
 - b. Musculoskeletal
 - c. Nervous
 - d. Circulatory
 - e. Respiratory
 - f. Digestive
 - g. Urinary
 - h. Reproductive
15. Identify changes that may occur with aging in other health dimensions and how the HCA can provide support to clients in the following areas.
 - a. Emotional
 - b. Social
 - c. Recreational
 - d. Spiritual
 - e. Cultural
16. Describe the characteristics of aging that support independence in later adulthood.
17. Describe observations that indicate a change in the level of independence and the requirement for reporting/documentation.
18. Identify normal functions of the brain and nervous system.
19. Review the expected physical changes in the brain that occur with aging.
20. Describe the expected changes in memory and learning that occur with aging:
 - a. Short-term memory
 - b. Long-term memory
 - c. Attention
 - d. Learning new information
21. Discuss dementia as an unexpected part of aging.
22. Define and use terminology related to chronic and acute illnesses.

23. Explore the differences between acute and chronic illness.
24. Describe common chronic illnesses in relation to specific body systems.
25. Examine dementia, its effects on the different body systems, and implications for caregivers.
 - a. Identify causes of dementia.
 - b. Compare reversible and non-reversible dementias.
 - c. Describe the stages of progressive dementias of the Alzheimer's type.
26. Identify pain reaction in late adulthood and behaviours that may indicate pain with the client who is unable to report pain.
27. Compare acute and chronic pain.
28. Discuss the purpose of palliative care approach to clients with a life-limiting illness undergoing pain.
29. Distinguish between learned dependence and physical impairment.
30. Describe the roles and responsibilities of the HCA in providing person-centred care to diverse clients with chronic illness across various settings.

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>.

Students are cautioned that it is their responsibility to contact the receiving institutions to ensure transferability.

EVALUATIONS:

Evaluation	Value	Date
Final Exam	Pass/Fail (70% or better)	November 20 th , 2024 (Tentative)
Completion of Lab Skills	Pass/Fail	November 22 nd , 2024

This course follows the Health Care Aide Provincial Curriculum Program Standards and Policies developed by the Government of Alberta.

1. Final Exam

The final exam includes all content covered in Weeks 1-11. It is a cumulative exam. Question format will be multiple choice questions only.

2. Completion of Lab Skills

A skills checklist is provided on D2L. All skills must be demonstrated and signed off by an instructor to receive a pass for this evaluation.

GRADING CRITERIA

Alpha Grade	4-Point Equivalence	Percentage Conversion (unless otherwise specified in the Course Outline)	Descriptor
P	N/A	70-100	Pass
F	N/A	0-69	Fail

COURSE SCHEDULE/TENTATIVE TIMELINE:

<u>Week</u>	<u>Topic</u>
Week 1, 2 & 3	Module 1: Body Systems and Function
Week 4 & 5	Module 2: Human Growth, Development and Death
Week 6 & 7	Module 3: Healthy Aging and Independence
Week 8, 9 & 10	Module 4: Chronic Condition/ Review
Week 11	<i>Reading Week</i>
Week 12	Final Exam

** Tentative/Subject to change

STUDENT RESPONSIBILITIES:

For policies related to clinical absences, immunizations, uniforms, and other clinical requirements refer to the Health Care Aide handbook on MyClass or at https://www.nwpolytech.ca/doc.php?d=HCA_HBK

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.

ADDITIONAL INFORMATION:

LECTURES:

Attendance at all lectures is encouraged. Absence could jeopardize overall performance.