

COURSE NAME: PNE242 Pharmacology II

Credit Value: 3
Total Course Hours: 42
Prerequisite Course(s): IAP 100, IAP 120, PNE 232
Corequisite Course(s): None

COURSE DESCRIPTION

This course continues to explore concepts of pharmacology as selected drug groups are studied. The course will emphasize the role and responsibilities of the practical nurse in the administration and monitoring of client medications.

LAND ACKNOWLEDGEMENT

Canadore College resides on the traditional territory of the Anishinaabeg and within lands protected by the Robinson Huron Treaty of 1850. This land is occupied by the people of Nipissing First Nation, Treaty #10 in the Robinson Huron Treaty of 1850 since time immemorial.

PLAR INFORMATION

This course is eligible for Prior Learning Assessment and Recognition. Students are advised to discuss options with their program coordinator.

COURSE LEARNING OUTCOMES

Upon completion of this course, the student will have reliably demonstrated the ability to:

- | | |
|---|--|
| 1.0 Explain the action and interaction within the body of selected pharmaceutical preparations and the impact on nursing care: | 2.3 b) Adrenergic blocking agents |
| 1.1 Examine the action, therapeutic indications and nursing responsibilities associated with the administration of medication for each drug classification. | 2.4 c) Cholinergic agents |
| 1.2 Formulate relevant health teaching related to medication administration and monitoring for each drug classification. | 2.5 d) Cholinergic blocking agents |
| 1.3 Develop an understanding of the patients spiritual beliefs, values, cultural and health practices and recognize how these impact patient's treatment choices. | 2.6 Skeletal muscle relaxants |
| 1.4 Explain safe practices in administering medications for each classification by following the Standards from the College of Nurses of Ontario. | 2.7 Drugs to treat seizures |
| 1.5 | 2.8 Drugs to treat Parkinson's disease |
| 2.0 Drugs to treat the nervous and musculoskeletal system. | 3.0 Drugs used to treat the urinary system. |
| 2.1 Drugs affecting autonomic nervous system: | 3.1 Drug therapy for UTIs |
| 2.2 a) Adrenergic agents | 3.2 Drug therapy for overactive bladder syndrome |
| | 3.3 Miscellaneous urinary agents |
| | 4.0 Drugs used to treat respiratory diseases |
| | 4.1 Antihistamines |
| | 4.2 Decongestants |
| | 4.3 Bronchodilators and other respiratory agents |
| | 4.4 Antitussives |
| | 4.5 Expectorants |
| | 4.6 Mucolytic agents |
| | 5.0 Drugs to treat cardiovascular diseases. |
| | 5.1 Drugs to treat heart failure |
| | 5.2 Antidysrhythmic agents |
| | 5.3 Antiangina agents |

- 5.4 Antihypertensive agents
- 5.5 Drugs affecting blood coagulation
- 5.6 Antilipemic agents
- 5.7 Drugs used for hypotension and shock
- 6.0 Drugs affecting the gastrointestinal system.
 - 6.1 Antacids and acid controlling agents
 - 6.2 Antidiarrheals and laxatives
 - 6.3 Anti-emetics and anti-nausea agents
 - 6.4 Nutritional supplements
 - 6.5 Vitamins and minerals
- 7.0 Drugs used to treat hematological conditions.
 - 7.1 Iron sources
 - 7.2 Vitamin B12 sources
 - 7.3 Folic Acid sources
- 8.0 Drugs affecting the immune system.
 - 8.1 Agents that provide active or passive immunity (Immunizations)
 - 8.2 Immunosuppressants
 - 8.3 Antiretrovirals and antivirals
- 9.0 Ophthalmic agents.
 - 9.1 Agents that treat glaucoma
 - 9.2 Other ophthalmic agents
- 10.0 Otic agents.
 - 10.1 Drugs to treat ophthalmic conditions
- 11.0 Dermatological agents
 - 11.1 Drugs to treat dermatological conditions
- 12.0 Drugs used in the treatment of cancer.
 - 12.1 Immunomodulating agents
 - 12.2 Antineoplastic agents
- 13.0 Examine the use of complementary medicine and Indigenous practices as a treatment adjunct or alternative in maintaining wellness and managing disease.
 - 13.1 Discuss and identify natural or herbal products
 - 13.2 Discuss the Interactions of pharmacologic agents and natural products
 - 13.3 Discussion of Indigenous Medication Practices (eg. Medicine Wheel)

GENERAL EDUCATION

This is not a General Education course.

PROGRAM OUTCOMES

This course contributes to the following Ministry of Colleges and Universities approved program learning outcomes (PLO):

Practical Nursing

3. plan safe and competent nursing care, based upon a thorough analysis of available data and evidence-informed practice guidelines.
4. select and perform nursing interventions using clinical judgment, in collaboration with the client and, where appropriate, the health care team, to promote health and well-being, prevent disease and injury, maintain and/or restore health, promote rehabilitation, and/or provide palliation.
5. evaluate the outcomes resulting from all interventions in the nurse-client interaction and modify the plan of care as required.
8. contribute to creating a healthy and safe work environment in a variety of health care settings.
9. practise in a self-regulated, professional and ethical manner, complying with relevant legislation and with the standards of both the regulatory body and the practice setting to provide safe and competent client care.

ESSENTIAL EMPLOYABILITY SKILLS OUTCOMES

This course contributes to the following Ministry of Colleges and Universities approved essential employability skills (EES) outcomes:

1. Communicate clearly, concisely, and correctly in the written, spoken, and visual form that fulfils the

purpose and meets the needs of the audience.

2. Respond to written, spoken, or visual messages in a manner that ensures effective communication
3. Execute mathematical operations accurately
4. Apply a systematic approach to solve problems
5. Use a variety of thinking skills to anticipate and solve problems
7. Analyse, evaluate, and apply relevant information from a variety of sources.
8. Show respect for the diverse opinions, values, belief systems, and contributions of others
10. Manage the use of time and other resources to complete projects.
11. Take responsibility for one's own actions, decisions, and consequences.

EXTERNAL COURSE ACCREDITATIONS AND CONDITIONS

This course is a compulsory course within the Canadore College Practical Nursing program, as reviewed and approved by the College of Nurses of Ontario

COURSE EVALUATION

Quizzes/tests/exams - 90%

Assignment(s)/group work - 10%

PROGRAM SPECIFIC GRADING

Successful completion of this course requires a minimum grade of C

GRADING SYSTEM

A+:	90-100%	B+:	77-79%	C+:	65-69%	D:	50-54%	S - Satisfactory
A:	85-89%	B:	73-76%	C:	60-64%	F:	0-49%	I - Incomplete
A-:	80-84%	B-:	70-72%	D+:	55-59%			F- Repeat Course, included in GPA
								FS- Failure Supplemental
								FR- Repeat course, excluded from GPA

*For a complete chart of grades and descriptions, please see the Grading Policy.

LEARNING RESOURCES

Course Textbooks:

Required:

Title: Pharmacology for Canadian Health Care Practice

ISBN: 978-0-323-69480-3

Edition: 4th Canadian

Author: Lilley, L.L., Sealock, K., Seneviratne, C., & Snyder, J.S.

Other Resources:**Optional:**

Richardson, F. & Skidmore-Roth, L. (2020). Mosby's Canadian Nursing Drug Reference Mosby: Toronto
ISBN 9781771720885

Resources listed on the course outline support the achievement of learning outcomes, and may be used throughout the course to varying degrees depending on the instructor's teaching methodology and the nature of the resource.

Technology requirements - <https://www.canadorecollege.ca/BYOD>

The Harris Learning Library's staff can help you find resources to support your learning - www.eclibrary.ca

LEARNING ACTIVITIES

In-class/online activities

DELIVERY MODE

This course may be delivered, in whole or in part, in a number of modalities, including in class, online, hybrid, in a synchronous or asynchronous manner or a combination thereof, as per accreditation and/or regulatory standards where appropriate.

RECORDING GUIDELINES

This class may be recorded by faculty of the College. Faculty will inform students when recording of the class commences and ceases. 'Recorded' means that the audio-visual and chat portions of the class will be recorded and then be stored on the College or vendor provider server. They will be made available to students, but only for the express and sole use of those registered in this course. If you have any questions or concerns about this recording, please contact your instructor or the College's privacy officer at privacy.officer@canadorecollege.ca. Full recording guidelines can be found at: <https://cdn.agilitycms.com/canadore-college/academic-centre-of-excellence/Canadore%20Recording%20Guidelines.pdf>

ACADEMIC POLICIES

Canadore College is committed to the highest standards of academic integrity, and expects students to adhere to these standards as part of the learning process in all environments. The College's Academic Integrity policy seeks to ensure that all students understand their rights and responsibilities in upholding academic integrity and that students receive an accurate and fair assessment of their work. Please review the Academic Integrity policy (A-18) and other academic policies found on our website: <https://www.canadorecollege.ca/about/policies>.

COLLEGE POLICIES

- Protecting human rights in support of a respectful college community

For college policies please see: <http://www.canadorecollege.ca/about-us/college-policies>.

STUDENT SUCCESS SERVICES - Your Success Matters!

Student Success Services provides student-focused services to facilitate students' success in their studies. Staff provide support by reducing and/or removing educational-related barriers through individualized accommodations and supports to students with disabilities.

Please visit our webpage to learn more: <https://www.canadorecollege.ca/support/student-success-services> or look for our events on social media.

To connect with Student Success Services email studentsuccessnow@canadorecollege.ca or call 705.474.7600 ext 5205.

FIRST PEOPLES' CENTRE:

A culturally safe environment offering CONFIDENTIAL student focused services, drop in or make an appointment to access:

- One on one counselling
- Elder in residence program
- Peer tutoring
- Peer mentorship
- Lunch & learn workshops on study skills, self-care, life skills
- Learning Resource Centre

Drop by our offices at C254 College Drive, E101 Commerce Court or call 705 474 7600 Ext. 5961 College Drive / 5647 Commerce Court.

<https://www.canadorecollege.ca/experience/indigenous-student-experience>

WAIVER OF RESPONSIBILITY

Every attempt is made to ensure the accuracy of this information as of the date of publication. The college reserves the right to modify, change, add, or delete content.

HISTORICAL COURSE OUTLINES

Students use course outlines to support their learning. Students are responsible for retaining course outlines for future use in applications for transfer of credit to other educational institutions.

ADDITIONAL DISCLAIMER NOTE

Students are expected to adhere to the policies and procedures as outlined in the Practical Nursing Student Success Guide 2022-2023. All previous guides will not apply.