

**COURSE NAME:** PNE242 Pharmacology II

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

## COURSE DESCRIPTION

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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

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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 since time immemorial.

## PLAR INFORMATION

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

## COURSE LEARNING OUTCOMES

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

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|--|---|
| 1.0 Explain the action and interaction within the body of selected pharmaceutical preparations and the impact on nursing care.                                     | 2.4 Cholinergic agents                            |
| 1.1 Examine the action, therapeutic indications and nursing responsibilities associated with the administration of medication for each drug classification.        | 2.5 Cholinergic blocking agents                   |
| 1.2 Formulate relevant health teaching related to medication administration and monitoring for each drug classification.   | 2.6 Skeletal muscle relaxants                     |
| 1.3 Develop an understanding of the patient's spiritual beliefs, values, cultural and health practices and recognize how these impact patient's treatment choices. | 2.7 Drugs to treat seizures                       |
| 1.4 Explain safe practices in administering medications for each classification by following the Standards from the College of Nurses of Ontario.                  | 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 Adrenergic agents  | 3.2 Drug therapy for overactive bladder syndrome. |
| 2.3 Adrenergic blocking agents   | 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 Antianginal 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 Optic 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 (e.g., Medicine Wheel).

## GENERAL EDUCATION

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This is not a General Education course.

## PROGRAM OUTCOMES

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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.
6. act equitably and justly with clients and members of the health care team.
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

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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.
3. Execute mathematical operations accurately.
5. Use a variety of thinking skills to anticipate and solve problems.
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

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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

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| Evaluation Item | Weight |
|-----------------|--------|
| Tests           | 90     |
| Assignment      | 10     |

## COURSE PASS GRADE

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60

## GRADING SYSTEM

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|     |         |     |        |     |        |    |        |   |
|-----|---------|-----|--------|-----|--------|----|--------|---|
| 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,<br>included in GPA    |
|     |         |     |        |     |        |    |        | FS- Failure Supplemental                |
|     |         |     |        |     |        |    |        | FR- Repeat course,<br>excluded from GPA |

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

## LEARNING RESOURCES

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Course Textbooks:

Recommended:

Title: Mosby's Canadian Nursing Drug Reference  
 Author: Richardson, F. & Skidmore-Roth, L. (2020)  
 Publisher: Elsevier  
 Edition: 2nd ed.  
 Print ISBN: 9780323778930

eBook ISBN:

Additional Learning Resources:

Most of the required textbooks for the program are bundled into a Total Solution Package (TSP) through our publisher Elsevier. The TSP package includes eBooks as well as access to all the required online resources such as Sherpath, Clinical Skills videos, Shadow Health simulations, Adaptive Quizzing EAQ's, HESI preparatory exams and software for this course and many others throughout the program. Textbooks and course resources that are not included in the TSP must be purchased independently, as listed in each course outline and syllabus. Resources listed on the course outline support the achievement of learning outcomes and may be used throughout the course/program to varying degrees depending on the instructor's teaching methodology and the nature of the resource. Faculty may, at their discretion, integrate TSP resources into class activities, graded assessments, or preparatory work for courses/labs/clinicals and the College of Nurses of Ontario registration exam.

The fee for this bundle will be charged to your student account as part of the semester program fees. The bundle fee is intended to be rolled into your Program Fees at the beginning of each academic year; however, the Administration reserves the right to post it as a separate charge later in the term or each semester. Please monitor your student account for any subsequent billing and direct any questions to the Admissions Office. For the fee structure please see <https://cdn.agilitycms.com/canadore-college/eText%20eResource%20Fees.pdf> Upon entry to the program students will have the option of accepting the full package or to "opt out" of the nonevaluative resources of the package. If they choose to "opt out", they will be required to meet with the program coordinator to discuss the TSP and sign a declaration prior to 4:00 pm on the first Friday of the first semester of the program/year. After this deadline, access for the entirety of the program is final and non-refundable. Full deployment of the resources will begin shortly after the opt-out window closes.

BYOD <https://www.canadorecollege.ca/bring-your-own-device>

Please see the [Campus Bookstore](#) to verify the current textbook costs and your [program page](#) for additional program fees and/or learning material requirements (see the "Tuition Fees" and "What You Need" sections).

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](http://www.eclibrary.ca)

## LEARNING ACTIVITIES

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In-class/online activities

## DELIVERY MODE

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This course may be delivered, in whole or in part, in a number of modalities, including In-Person, Remote (synchronous and/or asynchronous), hybrid, or Hyflex, as per accreditation and/or regulatory standards where appropriate. This information is identified on the course schedule (student and faculty).

## RECORDING GUIDELINES

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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](mailto: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>. Recordings are to be managed (or removed) as per the College's Recording Guidelines following the completion of the course.

## ACADEMIC POLICIES

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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

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- Protecting human rights in support of a respectful college community

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

## Accessibility Learning Services for Students with Disabilities - Student Success Services

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Student Success Services provides comprehensive support to students. We aim to ensure that all students have equal access to educational opportunities and can succeed in their academic journey. Our services focus on reducing and eliminating barriers related to education through individualized accommodations and support. If you are a student with a disability, we encourage you to register with Accessible Learning by completing the Student Success – Accessible Learning Services Form ([https://canadorecollege-accommodate.symplcity.com/public\\_accommodation/](https://canadorecollege-accommodate.symplcity.com/public_accommodation/)).

For more detailed information about the services offered, please visit our webpage: <https://isucceed.canadorecollege.ca/students>. To connect with Student Success Services email

studentsuccessnow@canadorecollege.ca or call 705.474.7600 ext 5205.

### FIRST PEOPLES' CENTRE:

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A culturally supportive and comfortable environment where you can study, socialize, and access a wide range of resources and confidential student focused services.

- Counselling services
- Elders on Campus and Cultural Advisors
- Cultural and Spiritual Wellness
- Peer tutoring/Peer Mentorship
- wholistic support network
- Social events and workshops on study skills, self-care & life skills

Drop by our offices at C254 College Drive, W103 Commerce Court or Call 705-474-7600 Ext. 5961

<https://www.canadorecollege.ca/first-peoples-centre>

### WAIVER OF RESPONSIBILITY

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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

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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

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Students are expected to adhere to the policies and procedures as outlined in the Practical Nursing Student Success Guide 2024-2025. All previous guides will not apply.