



Pharmacology 2 – PPNP 115 Practical Nursing Program

Course Outline

COURSE IMPLEMENTATION DATE: January 2013
OUTLINE EFFECTIVE DATE: September 2023
COURSE OUTLINE REVIEW DATE: March 2028

GENERAL COURSE DESCRIPTION:

This course builds on Pharmacology I to increase learners' understanding of pharmacotherapeutics prescribed for illnesses clients experience across the lifespan. Topics include drug classifications and links with common diseases/illness based on a body system approach and drug resistance.

Program Information: This course is one of seven courses required in Level 2 of the Practical Nursing program. Satisfactory completion of this course is required to progress to the next level.

Delivery: This course is delivered face to face.

COTR Credits: 2

Hours for this course: 30 hours

Typical Structure of Instructional Hours:

Instructional Activity	Duration
Lecture Hours	30
Seminars / Tutorials	
Laboratory / Studio Hours	
Practicum / Field Experience Hours	
Other Contact Hours	
Total	30

Practicum Hours (if applicable):

Type of Practicum	Duration
On-the-job Experience	N/A
Formal Work Experience	N/A
Other	N/A
Total	N/A

Course Outline Author or Contact:

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Signature

APPROVAL SIGNATURES:

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Department Head Signature

Dean's Signature

EDCO

Valid from: September 2023 – March 2028

Education Council Approval Date

COURSE PREREQUISITES AND TRANSFER CREDIT:

Prerequisites: Successful completion of Level 1 courses and PPNP 108.

Corequisites: PPNP 111, PPNP 112, PPNP 113, PPNP 114, PPNP 116.

Flexible Assessment (FA):

Credit can be awarded for this course through FA

Yes No

Learners may request formal recognition for flexible assessment at the College of the Rockies through one or more of the following processes: External Evaluation, Worksite Assessment, Demonstration, Standardized Test, Self-assessment, Interview, Products/Portfolio, Challenge Exam. Contact an Education Advisor for more information.

Transfer Credit: For transfer information within British Columbia, Alberta and other institutions, please visit <http://www.cotr.bc.ca/Transfer>.

Students should also contact an academic advisor at the institution where they want transfer credit.

Prior Course Number: PNUR 205 ⇔⇔ PPNP 115

Date changed: September 2012

Textbooks and Required Resources:

Textbook selection varies by instructor and may change from year to year. At the Course Outline Effective Date the following textbooks were in use:

BCCNM: Current British Columbia College of Nurses and Midwives (BCCNM) documents.

Astle, B. J & Duggleby, W. (2019). *Canadian Fundamentals of Nursing*. (6th ed.). Elsevier Canada.

Vallerand, A. H. & Sanoski, C. (2023). *Davis's Canadian drug guide for nurses*. (18th ed.). F.A. Davis Company.

Willihnganz, M. J., Gurevitz, S. L., & Clayton, B. D. (2022). *Basic pharmacology for nurses* (19th ed.). Elsevier Inc.

Please see the instructor's syllabus or check COTR's online text calculator

<http://go.cotr.bc.ca/tuition/tCalc.asp> for a complete list of the currently required textbooks.

LEARNING OUTCOMES:

Upon the successful completion of this course, students will be able to

- describe medication classifications, actions, interactions and nursing implications relative to body systems including: endocrine, neurological, cardiovascular, respiratory, gastrointestinal, genitourinary, musculoskeletal systems and miscellaneous drug classification;
 - relate drug interactions, polypharmacy and food/drug effects to medication used by clients across the lifespan, particularly the older adult;
 - describe the effects, uses and indications for antimicrobials, as well as the relationship with drug resistance;
 - relate theoretical understanding of narcotic side effects, indications for use and legal responsibilities;
 - describe the potential interaction of complementary, Indigenous and herbal preparations with prescription medications;
 - demonstrate competency with mathematical drug calculations; and
 - consider the roles of other health care providers in determining one's own professional and interprofessional roles related to complementary and prescription medication ordering, processing, dispensing, administration and monitoring.
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COURSE TOPICS:

- Drug Classifications according to body systems:
 - Endocrine System
 - Nervous System (includes effect on cognition and mental health)
 - Cardiovascular System
 - Respiratory System
 - Gastrointestinal System (not including medications used to treat constipation)
 - Genitourinary System
 - Musculoskeletal System
 - Sensory System

- Miscellaneous Drug Classifications (antineoplastics)
- Antimicrobial Agents
- Drug Resistance
- Interactions of complementary and alternative healing remedies with prescription medications

See instructor syllabus for the detailed outline of weekly readings, activities and assignments.

EVALUATION AND ASSESSMENT:

Assignments	% Of Total Grade
Midterm	35%
Final Comprehensive Exam	45%
Medication Case Study	20%
Math Exam	<u>Pass/Fail</u>
Total	100%

Please see the instructor syllabus for specific classroom policies related to this course, such as details of evaluation, penalties for late assignments and use of electronic aids.

EVALUATION AND ASSESSMENT:

Math Exam – Based on drug dosage calculations, must achieve a 100% to pass, will be given 3 attempts to achieve 100% (different exam each time).

Theory Exams – Learners must achieve an overall average of 80% on the theory portion of pharmacology (This includes the Midterm and Final Comprehensive exam). One rewrite will be available to replace the lowest achieved exam mark. Maximum grade assigned after a rewrite will be 80% on the overall theory portion of the course.

Medication Administration Case Study: There will be an opportunity to retest practical portion once if the learner fails the first attempt.

Student Attendance/Absence

- As adult learners, students are expected to attend all classes. Attendance is taken as a means of monitoring student success. In the event of illness or other unavoidable cause of absence, the student should notify the appropriate instructor as soon as possible.
- Students must attend all clinical/preceptorship experiences. If illness or other unavoidable absence occurs the student must notify the appropriate instructor prior to the time s/he is expected.
- Unexcused/excessive absences from clinical/preceptorship may mean students must withdraw from the program.

Written Assignments

- When a client/patient is referenced in an assignment, student must only use the term client or patient. No identifying markers (e.g. names, initials, room number, etc.) are to be used. Late assignment: a 15% penalty will be applied for each day past due date for late submissions. If any assignment is more than three (3) days late it will be assigned a grade of "0".
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EXAM POLICY:

Students must attend all required scheduled exams that make up a final grade at the appointed time and place.

Individual instructors may accommodate for illness or personal crisis. Additional accommodation will not be made unless a written request is sent to and approved by the appropriate Department Head prior to the scheduled exam.

Any student who misses a scheduled exam without approval will be given a grade of "0" for the exam.

COURSE GRADE:

Course grades are assigned as follows:

Grade	A+	A	A-	B+	F
Mark (Percent)	≥ 95	94-90	89-85	84-80	< 80

ACADEMIC POLICIES:

See www.cotr.bc.ca/policies for general college policies related to course activities, including grade appeals, cheating and plagiarism.

COURSE CHANGES:

Information contained in course outlines is correct at the time of publication. Content of the courses is revised on an ongoing basis to ensure relevance to changing educational, employment and marketing needs. The instructor endeavours to provide notice of changes to students as soon as possible. The instructor reserves the right to add or delete material from courses.

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