



**University of Alberta
Collaborative Baccalaureate
Nursing Program**

Grande Prairie Regional College

Keyano College

Red Deer College

University of Alberta

**NS 2150 A4
2010 - 2011 Course Outline
Spring 2011
DATES: May 2 - 26th.**

Revised by the Learning Experiences Development Committee, April 2007

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Approved: May 2009

COURSE LEADER /INSTRUCTOR:

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Office Hours: Open door policy or by appointment

COURSE HOURS (per week): 4 week course

Lecture: 3 (3-0-0) UT

COURSE LOCATION AND TIME:

Mon, Tues, Wed, Thurs: 9:00 - 11:50 D208

Note: D208 has wireless internet capacity so you are welcome to bring laptops to class.

COURSE DESCRIPTION:

The course begins with an introduction to drug classification and regulation - from discovery to the patient. The foundations of pharmacodynamic and pharmacokinetic principles will be introduced. Four fundamental domains of drug movement and modification will be studied: drug absorption, distribution, metabolism and excretion (i.e., pharmacokinetics). To illustrate how the principles involved in pharmacotherapeutics need to be incorporated into professional nursing practice; examples from specific drug classes will be used. Brief scenarios will be used to integrate pharmacology within the clinical setting. Safe, evidence-based practice will be emphasized.

COURSE OBJECTIVES:

Upon completion of Nursing 2150, the nursing student will be able to:

1. Demonstrate an understanding of ¹the basic pharmacodynamic concepts underlying drug actions in the human body.
2. Demonstrate an understanding of the basic pharmacokinetic principles that govern movement of drugs within the human body.
3. Demonstrate an understanding of the classification, nature, properties, and effects of drugs.

4. Demonstrate an understanding of the role of the nurse and the health team in promoting client education, optimal therapeutic regimens, and in the anticipation and management of side/adverse effects.
5. Demonstrate an understanding of how individual differences account for differences in drug response.
6. Integrate principles of drug therapies into professional practice.
7. Demonstrate an understanding of ethical and legal principles related to the administration of pharmacological agents.

¹ "Demonstrate an understanding of..." This means through satisfactory continuous assessment, the examination regimen, class interaction with tutor, etc.

REQUIRED TEXTBOOKS AND RESOURCES:

Lilley, L., Harrington, S., and Synder, J. (2011). *Pharmacology for Canadian health care practice* (2nd ed). Toronto, ON: Elsevier

Understanding Alberta's Drug Schedules:

<https://pharmacists.ab.ca/nPharmacistResources/ABDrugSchedules.aspx>

Any current drug handbook or drug handbook software for a PDA or The electronic Compendium of Pharmaceuticals and Specialties (e-CPS): <https://www.e-therapeutics.ca/home.whatsnew.action>

REQUIRED LEARNING EXPERIENCES:

NS2150 Lectures: Students will work with tutor in class to acquire necessary information for pharmacotherapeutics. **Pre-reading is an expectation.** Refer to course syllabus for required readings.

COURSE EVALUATION:

In order to pass NS2150, students must **complete** the following requirements:

- | | |
|-------------------|-------------------------|
| 1. Three quizzes: | 10% each (total of 30%) |
| 2. Midterm exam: | 35% (multiple choice) |
| 3. Final exam: | 35% (multiple choice) |

SPECIALIZED SUPPORT AND DISABILITY SERVICES:

Students who require accommodations in this course due to disability affecting mobility, vision, hearing, learning, or mental or physical health are advised to discuss their needs with Student Services.

POLICY STATEMENTS:

Late Assignment Policy:

All assignments are required to be completed in order to pass this course.

All assignments are expected to be passed in at the time and place they are due. See attached schedule.

Extensions on assignments may be granted and must be negotiated with the instructor prior to the due date and with a date and time specified for late submissions.

A penalty of one letter grade for each working day that an assignment is submitted after the due date will be deducted from the final mark. For example, an assignment scored at B+ would receive an adjusted grade of B, if submitted one day late when an extension was not negotiated with the instructor.

Plagiarism and Cheating:

Please refer to the GPRC's 2009-2010 Academic Calendar for the policy on plagiarism and cheating as guidelines for NS 2150.

Grading Criteria for Course

Final Grade Assignment

Each assignment in the course will be given an alpha grade according to the grading criteria for each assignment. Grades for each assignment will be converted into a 4-point equivalent. This number will then be multiplied by the weighting of the assignment to determine a score. The scores for each assignment will be added together for a total score in the course. This total score will then be used to determine the final alpha grade in the course. If you have any questions or concerns, please see your tutor / instructor for more information.

GRADING CONVERSION CHART			
ALPHA GRADE	PERCENTAGE CONVERSION (%)	4-POINT EQUIVALENT	DESCRIPTOR
A+	95 – 100	4.0	Excellent
A	90 – 94.9	4.0	
A-	85 – 89.9	3.7	Very Good First Class Standing
B+	80 – 84.9	3.3	
B	75 – 79.9	3.0	Good
B-	70 – 74.9	2.7	
C+	66 – 69.9	2.3	Satisfactory
C	63 – 65.9	2.0	
C-	60 – 62.9	1.7	
D+	55 – 59.9	1.3	Poor
D	50 – 54.9	1.0	Minimal Pass
F	0 – 49.9	0.0	Failure
WF	0	0.0	Fail Withdrawal after the deadline

Students may receive a grade of D or D+ in an assignment, but must have an overall grade of C- to achieve a passing grade in a nursing course.