



Department of Nursing Education and Health Studies

# DEPARTMENT OF NURSING EDUCATION AND HEALTH STUDIES

## NS2150 A4 COURSE OUTLINE

MAY 7 – MAY 31, 2012

## PHARMACOTHERAPEUTICS IN NURSING

<b>INSTRUCTOR:</b>	Bonnie Hessler, RN, BScN,	<b>PHONE:</b>	780-539-2757
	MN		
<b>OFFICE:</b>	H228	<b>E-MAIL:</b>	bhessler@gprc.ab.ca
<b>OFFICE HOURS:</b>	Monday – Thursday 1300 – 1400		

**PREREQUISITE(S)/COREQUISITE: None**

**REQUIRED TEXT/RESOURCE MATERIALS:**

Lilley, L., Harrington, S., J. (2011). *Pharmacology for Canadian health care practice*. (2<sup>nd</sup> 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): (available at through the library).

<https://www.e-therapeutics.ca/home.whatsnew.action>

**CALENDAR DESCRIPTION:**

The course begins with an introduction to drug classifications 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.

**CREDIT/CONTACT HOURS: (PER WEEK): 4 WEEK COURSE**

Lecture: 3 (3-0-0) UT

**COURSE SCHEDULE:**

May 7, 2012 – May 31, 2012

Mon, Tues, Wed, Thurs: 9:00 – 11:50

ROOM: H211

**OBJECTIVES (OPTIONAL):**

Upon completion of NS2150, the nursing student will be able to:

1. Demonstrate an understanding of <sup>1</sup> the 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.

<sup>1</sup> Demonstrate and understanding of..."This means through satisfactory continuous assessment, the examination regimen, class interaction with tutor, etc."

**TRANSFERABILITY:**

**\*\* Grade of D or D+ may not be acceptable for transfer to other post-secondary institutions. Students are cautioned that it is their responsibility to contact the receiving institutions to ensure transferability.**

**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 Students Services.

**EXAMINATIONS:**

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)

**STUDENT RESPONSIBILITIES:**

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

**STATEMENT ON PLAGIARISM AND CHEATING:**

Please refer to GPRC's 2011-2012 Academic Calendar for the policy on plagiarism, cheating and the resultant penalties as guidelines for NS2150. These are serious issues and will be dealt with severely.

**GRADING CRITERIA:**

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**

<b>GRANDE PRAIRIE REGIONAL COLLEGE</b>			
<b>GRADING CONVERSION CHART</b>			
<b>Alpha Grade</b>	<b>4-point Equivalent</b>	<b>Percentage Guidelines</b>	<b>Designation</b>
<b>A<sup>+</sup></b>	<b>4.0</b>	<b>95 - 100</b>	<b>EXCELLENT</b>
<b>A</b>	<b>4.0</b>	<b>90 – 94.9</b>	
<b>A<sup>-</sup></b>	<b>3.7</b>	<b>85 – 89.9</b>	<b>FIRST CLASS STANDING</b>
<b>B<sup>+</sup></b>	<b>3.3</b>	<b>80 – 84.9</b>	
<b>B</b>	<b>3.0</b>	<b>75 – 75.9</b>	<b>GOOD</b>
<b>B<sup>-</sup></b>	<b>2.7</b>	<b>70 – 74.9</b>	
<b>C<sup>+</sup></b>	<b>2.3</b>	<b>66 – 69.9</b>	<b>SATISFACTORY</b>
<b>C</b>	<b>2.0</b>	<b>63 – 65.9</b>	
<b>C<sup>-</sup></b>	<b>1.7</b>	<b>60 – 62.9</b>	
<b>D<sup>+</sup></b>	<b>1.3</b>	<b>55 – 59.9</b>	<b>MINIMAL PASS</b>
<b>D</b>	<b>1.0</b>	<b>50 – 54.9</b>	
<b>F</b>	<b>0.0</b>	<b>0 – 49.9</b>	<b>FAIL</b>
<b>WF</b>	<b>0.0</b>	<b>0</b>	<b>FAIL, withdrawal after the deadline</b>

**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.**