



**DEPARTMENT OF NURSING EDUCATION AND HEALTH STUDIES**

**COURSE OUTLINE – Fall 2017**

**UC1250 - INTRODUCTION TO PHARMACOLOGY**

**1.5 (3-0-0) 21 HOURS**

**INSTRUCTOR:** Deena Honan RN, MSN      **PHONE:** (780) 539-2703  
**OFFICE:** H204      **EMAIL:** dhonan@gprc.ab.ca

**OFFICE HOURS:** By Appointment.

**CALENDAR DESCRIPTION:**

**UC 1250 1.5 (1.5-0-0) 23 Hours**

This course covers aspects of Pharmacology, which relate specifically to the hospital unit clerk. Course topics include: pharmacology vocabulary, routes of medication administration and measurement, and the twenty-four hour clock. The course content will focus on major drug groups and how they affect the various body systems, generic and trade names of common medications, and the classifications in which they belong. Along with unit clerk students, this course would also be beneficial to currently employed unit clerks, or those seeking employment in health related areas.

**PREREQUISITE(S)/COREQUISITE:**

No prerequisite or corequisite required.

**REQUIRED TEXT/RESOURCE MATERIALS:**

Turley, S. (2016). Understanding pharmacology for health professionals (5<sup>th</sup> ed.). Boston: Pearson.

All other necessary resource materials, graded and practice exercises and class activities will be provided by the course Instructor and posted on Moodle.

**DELIVERY MODES:**

The course work includes classroom lecture, classroom discussions, individual work, group work, and graded and practice exercises.

Students will participate in a number of activities to assist in meeting the objectives of the course.

**COURSE OBJECTIVES:**

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

1. Define the term pharmacology.
2. Explain the twenty-four hour clock.
3. Identify the various routes of medication administration and related abbreviations.
4. Describe the various forms that drugs are available in.
5. Distinguish between the various categories of medications.
6. Explain generic and trade names of common medications, and the classifications in which they belong.
7. Identify the drug classifications according to the various body systems.
8. Describe the role of the pharmacist, pharmacy, and pharmacy system within a hospital system.
9. Identify the different types of prescriptions.
10. Demonstrate proper medication storage and disposal.
11. Compare the differences between prescription and non-prescription/over-the-counter drugs.
12. Distinguish between various resources used in medication management including:
  - a. Textbooks
  - b. Credible online sources
  - c. Compendium of Pharmaceuticals and Specialties (CPS)
  - d. Other
13. Discuss the safety considerations in medication management and error prevention.  
Introduction to Health Canada and regulation of pharmaceuticals in Canada.

### **LEARNING OUTCOMES:**

Upon successful completion of this course, the student will:

1. Define the term pharmacology.
2. Understand the twenty-four hour clock.
3. Understand the various routes of medication administration and related abbreviations.
4. Understand the various forms that drugs are available in.
5. Understand the various categories of medications.
6. Have a working knowledge of generic and trade names of common medications, and the classifications in which they belong.
7. Be able to identify the drug classifications according to the various body systems.
8. Understand the role of the pharmacist, pharmacy, and pharmacy system within a hospital system.
9. Understand the different types of prescriptions.
10. Understand proper medication storage and disposal.
11. Understand the differences between prescription and non-prescription/over-the-counter drugs.
12. Use various resources used in medication management including:
  - a. Textbooks
  - b. Credible online sources
  - c. Compendium of Pharmaceuticals and Specialties (CPS)
  - d. Other
13. Understand the safety considerations in medication management and error prevention.  
Introduction to Health Canada and regulation of pharmaceuticals in Canada.

### **TRANSFERABILITY:**

Please consult the Alberta Transfer Guide for more information

(<http://alis.alberta.ca/ps/tsp/ta/tbi/onlineSearch.html?SearchMode=S&step=2>)

**\*\* 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**

## EVALUATIONS/EXAMINATIONS:

**1) Attendance, classroom participation will be worth 10% of the final grade.**

**2) First Examination worth 30% of the final grade.**

The exam will cover all units discussed in the first four classes. All readings and classroom material will be testable. This examination will be a combination of multiple choice, matching and short answer questions. Exam is computer based.

**3) Mid-Term Examination worth 30% of the final grade.**

This examination will be a combination of multiple choice, matching and short answer questions. Testable content will cover the readings & classroom material for weeks 3-5. Exam is computer based.

**4) Final Examination worth 30% of the final grade.**

This exam is scheduled during the final exam week. You will have time that week to complete any unfinished work and study for the exam. This examination will include a combination of multiple choice, matching, short answer and a written portion. This examination will test content covered in weeks 6 & 7, readings and classroom. Exam is computer based.

**Note: Failure to complete any course examination will result in a grade “0” for that examination. The Instructor must be notified prior to the examination in cases of illness or extenuating circumstances and special arrangements will be made in order to accommodate these students.**

## GRADING CRITERIA:

**Grades will be assigned based on the Letter Grading System:**

**Note: In order to pass UC 1250, the student must achieve a final overall average of 60% (C-) or higher.**

<b>Alpha Grade</b>	<b>4-point Equivalent</b>	<b>Percentage Guidelines</b>		<b>Alpha Grade</b>	<b>4-point Equivalent</b>	<b>Percentage Guidelines</b>
A+	4.0	90-100		C+	2.3	67-69
A	4.0	85-89		C	2.0	63-66
A-	3.7	80-84		C-	1.7	60-62
B+	3.3	77-79		D+	1.3	55-59
B	3.0	73-76		D	1.0	50-54
B-	2.7	70-72		F	0.0	00-49

**COURSE SCHEDULE/TENTATIVE TIMELINE:**

<b>October 24</b>	Introduction to pharmacology and the history of drugs; including generic and trade names. Drug forms, routes of administration, and abbreviations. Introduction to the twenty-four hour clock. <b>Chapter 1, pages 31-34, &amp; Chapter 3</b>
<b>October 26</b>	Introduction to the role of the pharmacist, pharmacy and pharmacy system within the hospital system. Introduction to types of prescriptions and proper storage and disposal of medications. <b>Chapters 4 (omitting pages 78-82), &amp; Chapter 6</b>
<b>October 31</b>	Introduction to drugs and drug categories to treat specific body systems. <b>Chapter 7 &amp; 8: Urinary, &amp; Gastrointestinal</b>
<b>November 2</b>	<b>Chapter 9 &amp; 10:</b> Introduction to drugs and drug classification for specific body systems Musculoskeletal, and respiratory drugs.
<b>November 7</b>	<b>EXAM #1</b>
<b>November 9</b>	Introduction to drugs and drug categories to treat specific body systems. Cardiovascular, hematologic, <b>Chapters 11 &amp; 12</b>
<b>November 14</b>	Introduction to drugs and drug categories to treat specific body systems. endocrine, and neurological drugs. <b>Chapters 14 &amp; 15</b>
<b>November 16</b>	Introduction to drugs and drug categories to treat specific body systems. Psychiatric, & dermatologic, <b>Chapters 16 &amp; 17</b>
<b>November 21</b>	Introduction to drugs and drug categories to treat specific body systems. ophthalmic, and ear, nose, and throat drugs. <b>Chapters 18 &amp; 19</b>
<b>November 23</b>	<b>EXAM #2</b>
<b>November 28</b>	Introduction to drugs and drug categories used to treat multiple body systems. Analgesic, anti-infective, <b>Chapters 20 &amp; 21</b>
<b>November 30</b>	Chemotherapy, anesthetic and emergency drugs, IV fluid and blood products. <b>Chapter 23 and review</b>
<b>December 5</b>	<b>Chapters 24 &amp; 25</b>
<b>FINAL EXAM</b>	<b>covering all weeks of coursework, concentrating on Weeks Five and Six will be held during final exam week, December 9 – 19, 2017, date TBA by the college.</b>

### **STUDENT RESPONSIBILITIES:**

Please refer the College Policy on Student Rights and Responsibilities found on the GPRC Policies website at <https://www.gprc.ab.ca/about/administration/policies/>

### **STATEMENT ON PLAGIARISM AND CHEATING:**

**We expect honesty from our students.** This demands that the contribution of others be acknowledged (GPRC Calendar, 2016-2017). Penalties will be given according to the degree of the plagiarism or cheating. If you are unsure whether an action is plagiarism or not, please consult your course instructor. Cheating refers to dishonest conduct such as speaking during an exam, bringing written material not authorized by the course instructor, tampering with grades, or consciously aiding another student to cheat.

Refer to the College Student Misconduct: Academic and Non-Academic Policy found on the GPRC Policies website at <https://www.gprc.ab.ca/about/administration/policies/>

\*\*Note: all Academic and Administrative policies are available at [www.gprc.ab.ca/about/administration/policies/](http://www.gprc.ab.ca/about/administration/policies/)

### **Additional Information (Optional):**

You can purchase this textbook from either:

<https://www.chapters.indigo.ca/en-ca/home/search/?keywords=understnding%20pharmacology%20for%20health%20professionals>

OR

[https://www.amazon.ca/s/ref=nb\\_sb\\_ss\\_c\\_0\\_38?url=search-alias%3Dstripbooks&field-keywords=understanding+pharmacology+for+health+professionals&prefix=understanding+pharmacology+for+health+%2Caps%2C213](https://www.amazon.ca/s/ref=nb_sb_ss_c_0_38?url=search-alias%3Dstripbooks&field-keywords=understanding+pharmacology+for+health+professionals&prefix=understanding+pharmacology+for+health+%2Caps%2C213)

### ***UNIVERSITY TRANSFER (If applicable):***

**\*\* 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.**

Please refer to the Alberta Transfer guide for current transfer agreements:  
[www.transferralberta.ca](http://www.transferralberta.ca)