



**UNIVERSITY OF ALBERTA
COLLABORATIVE BACCALAUREATE
NURSING PROGRAM**

Grande Prairie Regional College
Keyano College
Red Deer College
University of Alberta



NURSING 2150

EC

2012 - 2013 COURSE OUTLINE

Revised by the Learning Experiences Development Committee, April 2007

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Approved: May 2009

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**Department of Nursing Education and Health Studies
Course Outline – Winter 2013**

NS2150 Pharmacotherapeutics in Nursing 3(3-0-0), UT, 45 hours, 14 Weeks



| | | | |
|----------------------|-------------------------------|----------------|--|
| INSTRUCTOR: | B. Hessler RN, BScN, MN | PHONE: | Office (780) 539-2751 |
| OFFICE: | H228 | E-MAIL: | bhessler@gprc.ab.ca |
| OFFICE HOURS: | Consult individual instructor | | |

PREREQUISITE(S)/ COREQUISITE: Nil

REQUIRED TEXT/RESOURCE MATERIALS:

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

Alberta Drug Schedules:

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

The electronic Compendium of Pharmaceuticals and Specialties (e-CPS)

<http://www.gprc.ab.ca/library/databases/list.html?cat=275>

RECOMMENDED TEXTBOOKS AND RESOURCES:

A Nursing Drug Guide [book, computer program, or hand held application] or the e-CPS.

ADDITIONAL RESOURCES

PowerPoint presentations, learning activities, supplementary readings, animations, links to media resources, course announcements, etc., will be available on **Moodle** weekly as needed.

OPTIONAL RESOURCES

Lilley, L.L., Harrington, S., Snyder, J.S., and Swart, B. (2011). *Study guide for Pharmacology for Canadian health care practice* (2nd ed.). Toronto: Elsevier.

Headset/Microphone/Speakers.

To participate in Orientation through Elluminate you have 2 options. 1. You will require a headset with a microphone or computer speakers. A headset with a microphone can be purchased through any store selling computer accessories (London Drugs, Future Shop, Staples, etc). 2. If you choose not to purchase a headset with a microphone; you can still participate. You will hear me though your speakers, but you will only be able to talk through text messaging. **The first time that you connect to Elluminate, you will need to run through some set-up routines that will run automatically from the server.**

CALENDAR 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.

CREDIT/CONTACT HOURS (per week): 14 WEEK COURSE.

NS2150 consists of: Lecture (Moodle): 3 Seminar: 0 Lab: 0

DELIVERY MODE(S):

The course will be delivered on-line through GPRC's on – line course management system (Moodle). There is no established time when you must log on. However, at a specified time each week, the instructor will make an online posting relating to the topic for that week and the issues of the day. This posting will set the tone for the online discussion. The purpose of the weekly input is to keep each of us focused on the same topic. Once the instructor's presentation is posted, you may add to the discussion at any time. You must log-on twice a week at a minimum. However, to benefit most from this part of the course, you are advised to check in on the discussion several times a week, adding your thoughts and comments to those of others so that the discussion grows as it continues back and forth.

In addition to the online course materials in Moodle, we will use another online tool – **Illuminate** – actually to speak to one another. These conversations will be much like telephone conference calls but with some additional visual elements. You have a **Voice Conference link** (Illuminate) in Moodle that will let you access these conferences. **This component will only be used for the Course Orientation.** The Illuminate Orientation session will be recorded so students who miss it can log into Illuminate at any time and watch/listen to the recorded session.

Contact Information

Our communication will be carried out by Course e-mail, News Forum (General News and Announcements), Illuminate (Orientation), and Moodle Discussion Forums; on-site visits to my office or by phone can occur if you require assistance.

General News and Announcements will be made in Moodle through the **News Forum**.

Technical Requirements: Computer System

In order to participate in the program, each student must own or have ready access to a PC. Students are responsible for their own communication costs such as long distance telephone charges and subscriptions to an Internet node, or any other communication service requirements.

Go to <http://moodle.gprc.ab.ca/>

On the **Left Hand** side of the page, **Click Support and then Click Student Support** from the drop down menu. Then, **Click Technical Requirements and Browser Check** to view Moodle Technical Requirements.

On the Technical Requirements page; **Click Browser Check-up**. Here you will see a **Green Check Mark (✓)** in the programs that you already have. If you see a **Red X** you will need to download the program[s].

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.

DISTANCE EDUCATION SUPPORT

For **help with Moodle**, go to <http://moodle.gprc.ab.ca/> On the **Left Hand** side of the page; **Click Support and then Click Student Support** from the drop down menu. Then, **Click Moodle Support**. When you click **Moodle Support** you will open the *GPRC Student Moodle User Manual*. For additional assistance, drop in and ask for assistance at the Library Information desk.

For **help with Elluminate**, go to <http://moodle.gprc.ab.ca/> On the **Left Hand** side of the page; **Click Support and then Click Student Support** from the drop down menu. Then **Click Elluminate Live!**

Grande Prairie Regional College has a **Distance Education Support Line** that is toll free number 1-877-832-7667.

Logging In

Type http://moodle.gprc.ab.ca in the address bar of your internet browser. When the page loads, enter your username and password in the Login box.

Your username will be your 7-digit student ID

Your password will be the same as the network password used to login to Students Online and the PC's on campus.

Note: If you change your network password, then your Moodle password changes too.

Navigating Moodle

Once you login to Moodle, you will see the **“My Courses”** where all your courses will be listed. Choose the Course **NS2150_EC_W12_Pharmacotherapeutics**.

OBJECTIVES:

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

1. Demonstrate an understanding of ¹ 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.

TRANSFERABILITY:

“This course is part of the block transfer agreement with the University of Alberta in the Collaborative BScN Program. Admission to the fourth year of the Program and registration at the U of A will be contingent upon confirmation by the Faculty of Nursing that the first three years of the Program have been completed with satisfactory academic standing. For promotion to Year 4 at the U of A, a student is required to pass all previous courses and obtain a minimum cumulative GPA of 2.0 on a 4.0 point scale in the first three years of the program. If these conditions are met, the student will be granted a block transfer of work completed at GPRC to the U of A record.”

**** 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**

¹ ‘Demonstrate an understanding of...’ This means through satisfactory continuous assessment, the examination regimen, self-testing using the Moodle site, class interaction with tutor, etc.

GRADING CRITERIA:**Assignment of Final Grade:**

A percentage mark will be assigned for each quiz, participation, and final exam. A final letter grade will be determined by converting the total percentage mark for all evaluation components to a letter grade. The letter grade is based on the Grading Conversion Chart.

| 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 |

*A grade of C- is the minimum passing grade for any nursing course with the exception of NS1050 and NS2150. The passing grade for these courses is a D or D+.

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

**Note: Please refer to the GPRC's 2012-2013 Academic Calendar for the grading policy at: <http://www.gprc.ab.ca/programs/calendar/admissions-guide-2011-2012/document.pdf>

and the Progression Criteria in the Bachelor of Science in Nursing program at: <http://www.gprc.ab.ca/programs/calendar/program-of-study-2011-2012/document.pdf>

EVALUATIONS:

In order to pass Nursing 2150, students must **complete** the following requirements:

Course Requirements and Value (Total 100%)

1. **On-line open book quizzes:** There will be **6 quizzes** valued at **10% each**. (Total: **60%**). **These consist of matching, true/false, multiple answers, ordering, and multiple choice questions.** All quizzes will be submitted on-line through an automated system at the dates and times specified in the study guide. **The quizzes will be available for 3 days, from 0800 on Day 1 to midnight on Day 3.** Once you log on, you will have **1 hour** to complete it. You **cannot** partially complete it and return later. **When completed, you will submit the Quiz on-line** (i.e. Click Next at the bottom of the Quiz page and then Click Submit all and finish). Your grades will be automatically entered into the Moodle grade book.
Note: You can access the Quizzes through links in Unit 2, 4, 6, 8, 10, and 12.
2. **Final Examination: 30% (75 multiple choice questions)** *refer to the Student Handbook for procedures for exams. The Final Exam will be submitted on-line through an automated system at the date and time specified in the study guide. It will be available for **4 days**, but once you log on, you will have **1-1/2 hours** to complete it. You **cannot** partially complete it and return later. **When completed, you will submit the Exam on-line** (i.e. Click Next at the bottom of the Exam page and then Click Submit all and finish). Your grade will be automatically entered into the Moodle grade book. **This Exam can be taken anytime from 0800 April 16th to 2400hrs April 19th [During GPRC Final Exam Time Period – April 16th – 26th].** **Note:** You can access the Final Exam through a link in Unit 13.
3. **Participation:** Mid-term Self - Evaluation **5%**; Final Self – Evaluation **5%**. (Total: **10%**). You may log on anytime during the required period [mid-term and end of course] and complete the self-evaluation. But, once you log on you will have **1 attempt with no time limit**. You **cannot** partially complete it and return later. **When completed, you will submit the Self-Evaluation on-line** (i.e. Click Next at the bottom of the Self-Evaluation page and then Click Submit all and finish). Your grade will be automatically entered into the Moodle grade book.
Note: You can access the Mid-term Self-Evaluation through a link in Unit 7 and the Final Self-Evaluation through a link in Unit 13.

Conference Participation

The assessment structure for NS2150 indicates that 10% of your final grade will be determined by your participation in the course. Your participation will be measured against the following criteria. Keep these criteria in mind as you proceed through the course, and gauge your own efforts toward achieving your full share of this significant portion of your course grade. You will submit a mid-term participation self-evaluation at the end of week 7, followed by a final self-evaluation at week 13. A formative (mid-term) and summative (final) evaluation tool will be provided. Your participation mark is the mark given by you for each of the two evaluations. **The instructor reserves the right to override this mark if it is deemed it is not an accurate evaluation of your participation.** The instructor will be watching for the introduction of new ideas, the support of others, offering of reference sites, and interesting interpretation or application of the course content. A summary of the expectations of online participation can be found below.

Participation Criteria

1. Respond to online discussions **at least twice each unit**. That is:
 - a. Post my input into the discussion board forum **at least once each unit [answer required question[s] once per unit]**.
 - b. Respond to classmates online discussions **at least once each unit**.
2. Contribute original thoughts or ideas to online discussions.
3. Bring up new and related perceptions of an issue being discussed.
4. Cite relevant research to validate points made.
5. Be open to divergent points of view.
6. Be respectful of the perceptions of others.
7. Integrate material from previous units to formulate ideas and generate dialogue.
8. Follows directions
9. Follow rules of grammar and spelling [including APA].

Conference participation is critical to course success. Cooperative and collegial learning is fundamental to this course. Your participation is not being evaluated relative to others in the class but rather against the above stated criteria.

STUDENT RESPONSIBILITIES:

Required Learning Experiences:

NS2150 Lectures: Students will work with tutor on-line to acquire necessary information for pharmacotherapeutics. **Participation is an expectation.** In addition, you will need to spend approximately **3 hours** on the Moodle site each week.

Nursing Program Policies and Dates:

Please refer to the 2011/12 Grande Prairie Regional College Calendar at <http://www.gprc.ab.ca/programs/calendar/> and the University Of Alberta Collaborative Baccalaureate Nursing Program with Grande Prairie Regional College Student Handbook and/or the University Of Alberta Faculty of Nursing Student Manual for specific nursing program policies and dates.

Late Assignment Policy:

All quizzes and final exam are expected to be completed on-line within the time frame given.

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.

If applicable, 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, a quiz scored at 80% (B+) would receive an adjusted grade of 75 (B) if submitted one day late when an extension was not negotiated with the instructor prior to the due date.

STATEMENT ON PLAGIARISM AND CHEATING:

Refer to the Student Conduct section of the College Admission Guide at <http://www.gprc.ab.ca/programs/calendar/> or the College Policy on Student Misconduct: Plagiarism and Cheating at www.gprc.ab.ca/about/administration/policies/

**Note: all Academic and Administrative policies are available on the same page.

COURSE SCHEDULE/TENTATIVE TIMELINE:

Dates: January 7 – April 19, 2012; On-line through Moodle.

ORIENTATION

Illuminate Orientation Session:

Orientation to Moodle, the Course, and Illuminate using Illuminate will occur on January 9th, 2013 from 1900hrs to 2100hrs [Alberta Time]. You will have received instructions on how to log onto Moodle and Illuminate through a package that you received via mail. Support information is also included on page 4 of this course outline [**Distance Education Support**].

Once you login to Moodle, you will see the “My Courses” where all your courses will be listed.

Choose the Course NS2150_EC_W12_Pharmacotherapeutics. In the Course, just go to Topic 2 – Elluminate. Click the NS2150 Orientation Session, then Click the Join Session Link and Elluminate will launch adding you to the meeting. We will guide you through the rest.

You will be able to talk to the instructor via a microphone or text messaging but you will not be able to see me. You will see how Elluminate works during orientation. This session is not mandatory and does not affect your participation mark. However, it is suggested that you attend the Orientation session.

If you miss this Orientation session then you can watch a recording of this session through Elluminate. [In the course, go to **Topic 2 - Elluminate**. **Click NS2150 Orientation Session**. Then **Click "Play Recording"**. Elluminate will launch the recorded session for you to view/hear].

Refer to Course Schedule on page 11-17.

Withdrawal Date: The withdrawal deadline for NS2150 with permission is **Monday, March 11th, 2013** as per the GPRC 2012/2013 Calendar. Students who drop a course after this date will receive a WF [Fail, withdrawal after the deadline] on their transcript.

Note: In the readings below; **Lilley et al.** chapters refer to the textbook we are using:

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

PLEASE NOTE: All Lilley et al. Textbook Chapter Readings, PowerPoint Presentations, and the Alberta's Drug Schedules are **REQUIRED READINGS!**

All other **Supplemental Readings** and **Learning Activities** are ADDITIONAL RESOURCES to *Supplement Your Learning*. You are encouraged to read, view, and do these where applicable, as your time and schedule permit; but they are not required.

| Unit/Date | Topic | Readings | Notes |
|------------|---|--|-------|
| UNIT 1 | Orientation to the course through Elluminate- Jan 9th – 1900 - 2100 | Course Outline Technical Requirements and Browser Check Moodle Help Elluminate Help | |
| Jan 10-16. | <u>Pharmacology Basics</u> | | |
| | Nursing Practice in Canada and Drug Therapy | Required Reading: Lilley et al. - Chapter 1: Nursing Practice in Canada and Drug Therapy Required Reading: Lilley et al. - PPT Ch.1 Supplemental Reading: Getting to the Root of Med Errors Article | |
| | Drug Schedules | Required Reading: Alberta Drug Schedules: https://pharmacists.ab.ca/nPharmacistResources/ABDrugSchedules.aspx | |
| | Pharmacological Principles | Required Reading: Lilley et al. - Chapter 2: Pharmacological Principles Required Reading: Lilley et al.-Chapter 2-PPT | |
| | ▪ Pharmaceutics | Supplemental Reading: Herb-Drug, Food-Drug, Nutrient-Drug, and | |

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| | <ul style="list-style-type: none"> ▪ Pharmacokinetics ▪ Pharmacodynamics ▪ Pharmacotherapeutics ▪ Pharmacognosy <p>Considerations for Special Populations</p> | <p>Drug-Drug Interactions Article Supplemental Reading: Canadian Trade Names and Generic Equivalents Learning Activity: First Pass Effect</p> <p>Required Reading: Lilley et al. - Chapter 3 – Considerations for Special Populations Required Reading: Lilley et al. - Chapter 3-PPT Supplemental Reading: Beers List - Potentially Inappropriate Meds for the Elderly Supplemental Reading: MotheRisk Learning Activity: Videos: Med Challenges in the Elderly – Part 1 and 2 Test your knowledge of Unit 1 in Clinical Connections.</p> <p>Complete and post the assigned questions for Unit 1; Chapters 1, 2, 3, and AB Drug Schedules. [Discussion Forum]</p> | |
| <p>UNIT 2 Jan 17-23.</p> | <p><u>Pharmacology Basics</u></p> <p>OTC and NHP's</p> <p>Substance Abuse [Drugs of Addiction]</p> <p><u>Drugs affecting the CNS</u></p> <p>Drugs for Control of Pain</p> | <p>Required Reading: Lilley et al.- Chapter 7: Over-the-Counter Drugs and Natural Health Products Required Reading: Lilley et al.- Ch.7 -PPT Supplemental Readings: American Botanical Council Camline National Center for Complementary and Alternative Medicine Medline Plus: Herbs and Supplements Herbal and Alternative Therapies Public Health Agency of Canada Health Canada: Natural Health Products</p> <p>Required Reading: Lilley et al. - Chapter 9: Problematic Substance Use Required Reading: Lilley et al. - Ch. 9- PPT Supplemental Readings: Health Canada: Drugs and Health Products Canadian Network of Substance Abuse and Allied Professionals Centre for Addictions and Mental Health Drug Prevention Network of Canada Government of Canada: National Anti-Drug Strategy</p> <p>Learning Activity: Animations: How Drugs Work</p> <p>Required Reading: Lilley et al. - Chapter 11: Analgesic Drugs Required Reading: Lilley et al. -Ch.11-PPT Learning Activity: Pain Pharmacology</p> <p>Test your knowledge of Unit 2 in Clinical Connections.</p> <p>Complete and post the assigned questions for Unit 2; Chapters 7, 9, 11. [Discussion Forum]</p> | <p>Quiz #1 – [Content: Unit 1 and 2]. Available January 23rd 0800hrs- January 25th 2400hrs.</p> |
| <p>UNIT 3 Jan 24-30</p> | <p><u>Drugs Affecting the CNS</u></p> <p>Drugs for Insomnia</p> | <p>Required Reading: Lilley et al. - Chapter 13: Central Nervous System</p> | |

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| | <p>Drugs for Seizures</p> <p>Drugs for Parkinson's Disease</p> | <p>Depressants and Muscle Relaxants Required Reading: Lilley et al.-Ch.13-PPT Learning Activity: X-Word</p> <p>Required Reading: Lilley et al -Chapter 14: Anti-Epileptic Drugs Required Reading: Lilley et al -Ch.14-PPT</p> <p>Required Reading: Lilley et al. -Chapter 15: Antiparkinsonian Drugs Required Reading: Lilley et al. -Ch.15-PPT</p> <p>Test your knowledge of Unit 3 in Clinical Connections.</p> <p>Complete and post the assigned questions for Unit 3; Chapters 13, 14, 15. [Discussion Forum]</p> | |
| <p>UNIT 4</p> <p>Jan 31- Feb 6.</p> | <p><u>Drugs Affecting the CNS</u></p> <p>Drugs for Anxiety, Emotional, and Mood Disorders</p> <p>Stimulants</p> <p><u>Drugs Affecting the Autonomic Nervous System</u></p> | <p>Required Reading: Lilley et al. -Chapter 16: Psychotherapeutic Drugs Required Reading: Lilley et al. -Ch.16-PPT Learning Activity: Psychotropic Meds and Neurotransmitters</p> <p>Required Reading: Lilley et al. -Chapter 17: CNS Stimulant Drugs Required Reading: Lilley et al. -Ch.17-PPT</p> <p>Required Reading: Lilley et al. -Chapter 18: Adrenergic Drugs Required Reading: Lilley et al. -Ch.18-PPT</p> <p>Test your knowledge of Unit 4 in Clinical Connections.</p> <p>Complete and post the assigned questions for Unit 4; Chapters 16, 17, 18. [Discussion Forum]</p> | <p>Quiz #2 – [Content: Unit 3 and 4]. Available February 6th 0800hrs- February 8th 2400hrs.</p> |
| <p>UNIT 5</p> <p>Feb 7-13.</p> | <p><u>Drugs Affecting the Autonomic Nervous System</u></p> | <p>Required Reading: Lilley et al. -Chapter 20: Cholinergic Drugs Required Reading: Lilley et al. -Ch.20-PPT Learning Activity: Neuromuscular Blockers</p> <p>Required Reading: Lilley et al. -Chapter 21: Cholinergic-Blocking Drugs Required Reading: Lilley et al. -Ch.21-PPT</p> <p>Test your knowledge of Unit 5 in Clinical Connections.</p> <p>Complete and post the assigned questions for Unit 5; Chapters 20, 21. [Discussion Forum]</p> | |
| <p>UNIT 6</p> <p>Feb 14-</p> | <p><u>Drugs Affecting the Cardiovascular and Renal Systems</u></p> | | <p>Quiz #3 – [Content: Unit 5 and</p> |

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| 18. | Drugs for Angina, MI and CVA | <p>Required Reading: Lilley et al. -Chapter 22: Positive Inotropic Drugs Required Reading: Lilley et al. -Ch.22-PPT</p> <p>Required Reading: Lilley et al. -Chapter 23: Antidysrhythmic Drugs Required Reading: Lilley et al. -Ch.23-PPT Learning Activity: X-Word</p> <p>Required Reading: Lilley et al. -Chapter 24: Anti-Anginal Drugs Required Reading: Lilley et al. -Ch.24-PPT</p> <p>Test your knowledge of Unit 6 in Clinical Connections.</p> <p>Complete and post the assigned questions for Unit 6; Chapters 22, 23, 24. [Discussion Forum]</p> | 6]. Available February 25 th 0800hrs- February 27 th 2400hrs. |
| Feb 18 | Family Day – No Classes | | |
| Feb 19-22 | Winter Break – No Classes | | |
| UNIT 7 Feb 25- Mar 4 | <p><u>Drugs Affecting the Cardiovascular and Renal Systems</u></p> <p>Drugs for Hypertension</p> <p>Diuretics</p> | <p>Required Reading: Lilley et al. -Chapter 25: Antihypertensive Drugs Required Reading: Lilley et al. -Ch.25-PPT Supplemental Reading: Hypertension Canada Learning Activity: Antihypertensive Drugs</p> <p>Required Reading: Lilley et al. -Chapter 26: Diuretic Drugs Required Reading: Lilley et al. -Ch.26-PPT Learning Activity: Diuretic Action in the Kidney</p> <p>Test your knowledge of Unit 7 in Clinical Connections.</p> <p>Complete and post the assigned questions for Unit 7; Chapters 25, 26. [Discussion Forum]</p> | Complete Mid-term Self- Evaluation |
| UNIT 8 March 5- 11. | <p><u>Drugs Affecting the Cardiovascular and Renal systems</u></p> <p>Drugs for Coagulation Disorders</p> <p>Drugs for Lipid Disorders</p> | <p>Required Reading: Lilley et al. -Chapter 28: Coagulation Modifier Drugs Required Reading: Lilley et al. -Ch.28-PPT Learning Activity: Cases in Clinical Coagulation-PPT Learning Activity: Warfarin - Introduction for New Users</p> <p>Required Reading: Lilley et al. -Chapter 29: Antilipemic Drugs Required Reading: Lilley et al. -Ch.29-PPT Supplemental Reading: Canadian CV Society Position Statement</p> <p>Test your knowledge of Unit 8 in Clinical Connections.</p> <p>Complete and post the assigned questions for Unit 8; Chapters 28, 29. [Discussion Forum]</p> | Quiz #4 – [Content: Unit 7 and 8]. Available March 12 th 0800hrs – March 14 th 2400hrs. |
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| <p>UNIT 9</p> <p>March 12-18.</p> | <p><u>Drugs Affecting the Endocrine System</u></p> <p>Drugs for Thyroid Disorders</p> <p>Drugs for Diabetes</p> <p><u>Drugs Affecting the Respiratory System</u></p> | <p>Required Reading: Lilley et al. -Chapter 31: Thyroid and Antithyroid Drugs Required Reading: Lilley et al. -Ch.31-PPT Learning Activity: The Endocrine Hormones Game Show Learning Activity: The Endocrine Medication Game Show Learning Activity: Alberta Health Services: Thyroid Medication</p> <p>Required Reading: Lilley et al. -Chapter 32: Antidiabetic Drugs Required Reading: Lilley et al. -Ch.32-PPT Supplemental Reading: Canadian Diabetes Association 2008 Clinical Practice Guidelines Supplemental Reading: Guide to Diabetes Medication Learning Activity: Pharmacological Management of Diabetes Mellitus Learning Activity: Alberta Health Services: Diabetes Medication and Insulin Delivery</p> <p>Required Reading: Lilley et al. -Chapter 37: Bronchodilators and Other Respiratory Drugs Required Reading: Lilley et al. -Ch.37-PPT Learning Activity: Dr. House: Inhaler Scene Learning Activity: Alberta Health Services: Inhalers</p> <p>Test your knowledge of Unit 9 in Clinical Connections.</p> <p>Complete and post the assigned questions for Unit 9; Chapters 31, 32, 37. [Discussion Forum]</p> | |
| <p>UNIT 10</p> <p>March 19-25.</p> | <p><u>Anti-Infective and Anti-Inflammatory Drugs</u></p> <p>Drugs for Bacterial Infections</p> <p>Drugs for Viral Infections</p> | <p>Required Reading: Lilley et al. -Chapter 38: Antibiotics, Part 1 Required Reading: Lilley et al. -Ch.38-PPT Required Reading: Lilley et al. -Chapter 39: Antibiotics, Part 2 Required Reading: Lilley et al. -Ch.39-PPT The following Learning Activities apply to both Chapter 38 and 39 Learning Activity: X-Word Learning Activity: Video: Anti-infective Medication Therapy: Antibiotics</p> <p>Required Reading: Lilley et al. -Chapter 40: Antiviral Drugs Required Reading: Lilley et al. -Ch.40-PPT</p> <p>Test your knowledge of Unit 10 in Clinical Connections.</p> <p>Complete and post the assigned questions for Unit 10; Chapters 38, 39, 40. [Discussion Forum]</p> | <p>Quiz #5 – [Content: Unit 9 and 10]. Available March 25th from 0800hrs- March 27th 2400hrs.</p> |
| <p>UNIT 11</p> <p>March 26-April 1</p> | <p><u>Anti-Infective and Anti-Inflammatory Drugs</u></p> | | |

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| | <p>Drugs for TB</p> <p>Drugs for Fungal Infections</p> <p>Drugs for Inflammation and Rheumatic Conditions.</p> | <p>Required Reading: Lilley et al. -Chapter 41: Antitubercular Drugs Required Reading: Lilley et al. -Ch.41-PPT Supplemental Reading: TB Global Facts Supplemental Reading: TB Prevention and Control Guidelines–Alberta.</p> <p>Required Reading: Lilley et al. -Chapter 42 Antifungal Drugs Required Reading: Lilley et al. -Ch.42-PPT Learning Activity: Video: Anti-infective Medication Therapy: Antifungal, Antiviral, and Antitubercular Agents</p> <p>Required Reading: Lilley et al. -Chapter 45: Anti-inflammatory, Antiarthritic, and Related Drugs. Required Reading: Lilley et al. -Ch.45-PPT</p> <p>Test your knowledge of Unit 11 in Clinical Connections.</p> <p>Complete and post the assigned questions for Unit 11; Chapters 41, 42, 45. [Discussion Forum]</p> | |
| <p>UNIT 12</p> <p>April 2– April 8.</p> | <p><u>Drugs Affecting the Gastrointestinal System and Nutrition</u></p> | <p>Required Reading: Lilley et al. -Chapter 52: Acid-Controlling Drugs Required Reading: Lilley et al. -Ch.52-PPT</p> <p>Required Reading: Lilley et al. -Chapter 53: Antidiarrheal Drugs and Laxatives Required Reading: Lilley et al. -Ch.53-PPT</p> <p>Required Reading: Lilley et al. -Chapter 54: Anti-Emetic and Antinausea Drugs Required Reading: Lilley et al. -Ch.54-PPT Supplemental Reading: Antiemetics Article Supplemental Reading: Pharmacological Management of Chemo-Induced Nausea and Vomiting Article</p> <p>Test your knowledge of Unit 12 in Clinical Connections.</p> <p>Complete and post the assigned questions for Unit 12; Chapters 52, 53, 54. [Discussion Forum]</p> | <p>Quiz #6 – [Content: Unit 11 and 12]. Available April 8th 0800hrs- April 10th until 2400hrs.</p> |

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| <p>UNIT 13</p> <p>April 9 - 15.</p> | <p><u>Miscellaneous Therapeutics: Dermatologic, Ophthalmic, and Otic Drugs</u></p> | | <p>Complete Final Self-</p> |
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| | <p>Drugs for Skin Disorders</p> <p>Drugs for Eye Disorders</p> <p>Drugs for Ear Disorders</p> | <p>Required Reading: Lilley et al. -Chapter 57: Dermatologic Drugs Required Reading: Lilley et al. -Ch.57-PPT Learning Activity: Dermatological Drugs Quiz - PPT</p> <p>Required Reading: Lilley et al. -Chapter 58: Ophthalmic Drugs Required Reading: Lilley et al. -Ch.58-PPT Learning Activity: Ophthalmic Drugs Quiz - PPT</p> <p>Required Reading: Lilley et al. -Chapter 59: Otic Drugs Required Reading: Lilley et al. -Ch.59-PPT Learning Activity: Otic Drugs Quiz - PPT</p> <p>Test your knowledge of Unit 13 in Clinical Connections.</p> <p>Complete and post the assigned questions for Unit 13; Chapters 57, 58, 59. [Discussion Forum]</p> | <p>Evaluation</p> <p>Complete Course Evaluation</p> |
| April 16-19. | FINAL EXAMINATION | <p>Final Exam: It will be available for 3 days, but once you log on, you will have 1 1/2 hours to complete it.</p> | <p>The Final Exam can be taken anytime from 0800 April 16th to 2400hrs April 19th.</p> |
| April 19 | Last Day of Semester | | |