

**Dakota College Bottineau Online**

***Course Syllabus***

**Course: PHRM 215 Introduction to Pharmacology**

**Credits: 3**

**Text: Holland, N., Adams, M., Core Concepts in Pharmacology, 2<sup>nd</sup> ed. (2007).**

**Instructor: DeeAnne Olson, RN**

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**Goal:**

**~To assist the student in understanding the principles of pharmacology and safe medication administration to enable them to competently work in healthcare with an over all goal of patient safety**

**Objectives: Upon completion of this course the student should be able to:**

- 1. Define pharmaceuticals, pharmacokinetic, and pharmacodynamic phases.**
- 2. Understand principles of safe drug administration, calculations, and pharmacological considerations throughout the life span.**
- 3. Identify the actions and appropriate doses of commonly used medications for common diseases/disorders of each body system.**
- 4. Identify drug interactions, side effects, adverse reactions and contraindications of commonly used medications.**
- 5. List medications used in emergency situations and the actions of these medications.**
- 6. Understand laws governing drug administration and legal implications.**

**NOTE: If you are a nursing student please review the lecture on using the nursing process in pharmacology as it relates to the administration of medications. The nursing process does not apply to non-nursing students as this is a function of nursing only. Medication administration by non-nursing personnel will be according to the policies of the healthcare facility in which you are employed. Every healthcare worker is responsible for knowing the law(s) that pertain to medication administration.**

**NOTE: There are 33 chapters in the book. You will need to cover approximately 4 chapters per week to complete the course in the 8 week time frame. It is best to get a blank calendar and map out what you need to complete each week, i.e, what chapters and lectures need to be read, what assignments are due, if there is an**

exam you need to take that week ect. Doing this will help you stay on track in the course.

**Class Schedule:** You may work through the course at your own pace, however, you cannot skip around in the course- chapters need to be completed in the order they are listed in the syllabus. All chapters must be read in sequence with the assignments completed for that chapter. It is best to email your assignments on a weekly basis, however, if for some reason you email the assignments a little later, that is fine also as long as the assignments are completed in a timely manner. All exams need to be taken in order and all exams are timed; therefore, it is important for you to take the self test reviews before taking the exams.

***Week 1:***

**Ch. 1-6 Introduction to Pharmacology: Drug Regulation and Approval- Drug classes, Schedules, and Categories- Methods of Drug Administration- What happens after a drug has been administered- Substance Abuse**

**Ch. 7-8-11 Drugs Affecting Functions of the Autonomic Nervous System- Drugs for Anxiety and Insomnia- Drugs for Seizures**

***Week II: TAKE EXAM I over chapters 1-5 and chapters 7, 8 & 11***

**Ch. 9,10,12,13: Drugs for Emotional and Mood Disorders- Drugs for Psychoses and Degenerative Diseases of the Nervous System- Drugs for Pain Control- Drugs for Anesthesia ( You will not be tested much on Chapter 13 so just skim that chapter and pay attention to the notes.**

***Week III:***

**Ch. 14,15: Drugs for Coagulation Disorders- Drugs for Hypertension**

**Ch. 16, 17, 18: Drugs for Heart Failure- Drugs for Dysrhythmias- Drugs for Angina Pectoris, Myocardial Infarction and Cerebrovascular Accidents.**

***Week IV: EXAM II over Chapters 9,10,12,13,14,15, 16,17,18***

**Ch. 19,20,21,22: Drugs for Shock and Anaphylaxis- Drugs for Lipid Disorders- Drugs for Inflammation, Allergies, and Immune**

**Disorders- Drugs for Bacterial Infections**

**Ch. 23-24: Drugs for Fungal, Viral, and Parasitic Diseases- Drugs for Neoplasia ( just skim chapter 24)**

**Week V: : EXAM III over Chapters 19-22& 23-24**

**Ch.25-26-27: Drugs for Pulmonary Disorders-Drugs for Gastrointestinal Disorders- Vitamins, Minerals, and Nutritional supplements.**

**Ch. 28-29: Drugs for Fluid, Acid-Base and Electrolyte Disorders- Drugs for Endocrine Disorders**

**Week VI: Ch. 30-31: Drugs for Disorders and Conditions of the Reproductive System- Drugs for Muscle, Bone, and Joint Disorders.**

**Ch. 32-33: Drugs for Skin Disorders- Drugs for Eye and Ear Disorders.**

**Week VII: EXAM IV over Chapters 25-29& 30-31 Chapters 32 and 33 will not be on this exam though that material will be covered in the final exam.**

***GO OVER ALL THE TEST REVIEWS IN PREPARATION FOR THE FINAL EXAM.***

**Week VIII: TAKE THE FINAL EXAM THIS WEEK.**

***Student Responsibilities:***

- The student is expected to read the assigned chapters for the week as well as the lecture notes posted by the instructor.
- The assignments that are due consist of questions at the end of the lecture notes ( not assignments from the text book). There may be some chapters that do not have an assignment.
- Assignments will be sent to the instructor via email attachments to the instructors email within this course. They must be typed in a WORD document ( no other format can be used or I will not be able to read the assignment) and sent as an attachment.
- Remember to check the email and the bulletin board daily for any new email or postings.
- It is the students responsibility to read ALL of the notes listed under the course contents and be familiar with the content of those notes ( for instance- common drugs for common disorders).
- You do not need to send me any assignments on drug calculations though you do need to know that material and how to calculate drug dosages as that will be on your final exam.

**Course Policies:**

- The final exam will be comprehensive and will cover the material that was covered in the chapter tests.
- You have 2 weeks to complete the course.

- There will be four semester exams and the final exam. All students will take all exams.
- Students will be expected to complete assignments on a weekly or bi-weekly basis.
- As we get into the chapters related to medications and specific body systems, the class notes will be in outline form. Major drugs to study will be listed in the lecture notes. You are expected to read all the chapter material though major points are highlighted in the course lectures.

#### **Course Evaluation Method:**

- Final grades will be based on the total number of points achieved for the semester. The semester exams will be worth approximately 50 points each ( 50 questions). The final exam will be 100 points (100 questions). The final will count for 50% of the grade and the semester exams along with the assignments will account for the remaining 50%. Each short answer to the assignment questions will be worth ½ point. The student will receive ½ point for each relevant post relating to the topic posted. No more than 1 point will be allowed per post. All students are expected to display critical thinking as it relates to the topics discussed and the assignments.

**A= 94-100 B= 84-93 C= 75-83 D=65-74 F= 64 and below.**

***At the end of the course all students will be required to complete the online course survey.***

**Welcome to Dakota College- Bottineau. Enjoy the Course!! Lets make it an enjoyable experience!**