Course Syllabus

BIO 4320-01
SEMESTER: Spring 2015
COURSE LOCATION: Conway Campus, Cooper Complex LC110
(Class Meeting: Tuesday & Thursday 12:30-1:45 pm)

ALL STUDENTS ARE REQUIRED TO READ AND HAVE A THOROUGH UNDERSTANDING OF THE SYLLABUS. ANY QUESTIONS OR CONCERNS NEED TO BE ADDRESSED TO THE INSTRUCTOR.

SYLLABUS CHANGES
The instructor reserves the right to make changes to the syllabus as needed. If changes are made, students will be notified of the changes in class and by email.
A. COURSE DESCRIPTION
An introduction to pharmacology, primarily for students in allied health fields. Content includes an introduction to terminology, pharmacokinetics, pharmacodynamics, drug category, use, and side effects.

B. PREREQUISITES
BIO 1410 and CHM 1420 or CHM 3402 with a grade of C or higher.

C. REQUIRED TEXTBOOK
*Students will be provided with an Alternative Pharmacology Textbook. Details will be provided on the first day of class.

D. ADDITIONAL MATERIALS FOR LEARNING
1. Computer with basic audio/video output equipment
2. Internet access (broadband recommended)
3. Microsoft Word, Excel and Power Point

E. COURSE OBJECTIVES
The purpose of this course is to provide an overview of the basic principles in pharmacokinetics, pharmacodynamics, and pharmacology of the important drugs and systems.

This will be accomplished by:

- Weekly lectures and reading assignments
- Pop quizzes and scheduled exams
- Student presentations
- Term Paper

E. COURSE OUTLINE

Week 1 - Welcome and Course Materials:
Print and read syllabus
Ms. Long, CBC Librarian [Introduction to Alternative Textbooks]
Pharmacology Pre-test

Week 2:
Jan. 20, Tuesday – Chapter 1 General Principles

Jan. 22, Thursday – Chapter 1 General Principles
Week 3:
  Jan. 27, Tuesday – Chapter 2 General Principles: Pharmacokinetics
  Jan. 29, Thursday – Chapter 2 General Principles: Pharmacokinetics

Week 4:
  Feb. 3, Tuesday – Chapter 2 General Principles: Pharmacokinetics
  Feb. 5, Thursday – Chapter 2 General Principles: Pharmacokinetics

Week 5:
  Feb. 10, Tuesday – Chapter 3 General Principles: Pharmacodynamics
  Feb. 12, Thursday – Chapter 3 General Principles: Pharmacodynamics

Week 6:
  Feb. 17, Tuesday – Chapter 4 Pharmacology of the Autonomic Nervous System
  Feb. 19, Thursday – Chapter 4 Pharmacology of the Autonomic Nervous System

Week 7:
  Feb. 24, Tuesday – Chapter 4 Pharmacology of the Autonomic Nervous System
  **Feb. 26, Thursday – Exam 1**

Week 8:
  March 3, Tuesday – Chapter 5 Pharmacology of Adrenergic Drugs
  March 5, Thursday – Chapter 5 Pharmacology of Adrenergic Drugs

Week 9:
  March 10, Tuesday- Chapter 5 Pharmacology of Adrenergic Drugs
  March 12, Thursday – Chapter 5 Pharmacology of Adrenergic Drugs

Week 10:
  March 17, Tuesday – Chapter 6 Pharmacology of Cholinergic Drugs
  March 19, Thursday – Chapter 6 Pharmacology of Cholinergic Drugs

Week 11:
  **March 23-27  Spring Break (No Tears Please)**

Week 12:
  March 31, Tuesday – Chapter 6 Pharmacology of Cholinergic Drugs
  April 2, Thursday – Review of Chapters 5 & 6

Week 13:
April 7, Tuesday – Chapter 7 Pharmacology of Anti-Hypertensive Drugs

April 9, Thursday – Chapter 7 Pharmacology of Anti-Hypertensive Drugs

Week 14:
April 14, Tuesday – Chapter 8 Pharmacology of Anti-Arrhythmic Drugs
April 16, Thursday – Chapter 8 Pharmacology of Anti-Arrhythmic Drugs

Week 15:
April 21, Tuesday – Exam 2
April 23, Thursday - Student Presentations

Week 16:
April 28, Tuesday – Student Presentations
April 30, Thursday – Review for Cumulative Final Exam, Ms. Long administers Textbook Evaluation, Post-test

Week 17: **May 5, Tuesday @ 12:00 – 2:00 pm**  **Cumulative Final Exam**

**COURSE EVALUATIONS:**
- **Pop Quizzes** - 25 points each [100 points]
- Exams - 100 points each [200 points]
- Student Presentations- 50 points [50 points]
- Cumulative Final Exam – 200 points [200 points]
- Term paper [100 points]

**Total points 650 points**

*Missed quizzes cannot be made up. Students may contact the instructor to schedule the exams and quizzes in advance if there are exceptional circumstances (as determined by the instructor).

**SCALE:**
- A=90-100%
- B=80-89%
- C=70-79%
- D=60-69%
- F =59 and below

**F. CLASSROOM REQUIREMENTS**

**Internet and software:** You must have continuous access to a working and dependable Internet provider.
G. STUDENT EXPECTATIONS

**Webstudy:**
Students are expected to check the Timeline tab in their WebStudy course each week beginning **one week before the start of the course.** Students are expected to check WebStudy e-mail several times per week to ensure timely receipt of messages from the professor.

WebStudy has three primary purposes in our courses: (1) to provides a means for students to receive timely information about the course in general, assignments, grades, and announcements from the instructor; (2) to promote thoughtful interaction between the instructor and students and among students themselves as they work through course materials; and (3) to enhance the learning process by providing a variety of materials.

If you have technical problems with WebStudy, please contact the IT Department by e-mailing techsupport@cbc.edu.

**Attendance and Participation:** Your attendance and participation are important means for the instructor to assess your skills, quality of thought, and growth as a student. The attendance policy and procedures are described below. When applicable, requirements for your participation in WebStudy discussion are important for both your learning and your instructor’s evaluation of your progress in the course. It is the student’s responsibility to login to WebStudy regularly to check emails and/or assignments posted by the instructor.

**Assignments:** Pay close and timely attention to reading assignments and other assigned work posted in the syllabus and WebStudy. If you have any questions regarding these requirements, please contact your instructor. **You are also responsible** for preparing for assigned readings carefully by the date listed on the schedule as well as preparing for exams reading assignments by the date listed. You should always be prepared for pop quizzes.

**Technology:** The use of laptops and tablets is permitted in class for classroom purposes only. Students using these devices in any other manner during the class period will be asked to put the device away and will no longer be permitted the use of the device. Texting is permitted only during class breaks. Any student texting during instruction will be asked to leave the class and will receive an absence for that class session. If you are expecting an important phone call during class, please inform your instructor ahead of time.

H. CENTRAL BAPTIST COLLEGE POLICIES AND PROCEDURES

**Attendance:** **Regular attendance in the classroom is expected throughout the course. Students are allowed no more than two absences per course. Any student who misses more than three class meetings will be administratively withdrawn from the course and a grade of “WP” or “WF” will be assigned by the instructor.** **NOTE: This is CBC policy; please do not ask for an exception.**

**Arrangements for Students with Disabilities:** It is the policy of CBC to accommodate students with disabilities, pursuant to federal and state law. Any student with a disability who needs an accommodation should contact Paula Bender, Disability Support Services Coordinator. Her office is located in the Student Services Office located in the Mabee Building. Mrs. Bender’s email address is pbender@cbc.edu, and her telephone number is (501) 205-8926.

*Please contact Mrs. Bender prior to the start of the course if you need any accommodations.

**E-MAIL Communications:** Appropriate professional communication is a critical skill set to develop. As a student in this class, all email correspondence regarding this class must be sent from your WebStudy email address. Each email must contain an appropriate, descriptive subject line – do not leave it blank – do not send a new email dealing with a new topic using an old email “string”. Instructors are to respond within a 24-48 hour
window, if the correspondence is sent on a weekend or holiday, responses may be answered afterwards. Please contact your instructor if you have questions.

<table>
<thead>
<tr>
<th>Quality of Presentation</th>
<th>Unacceptable</th>
<th>Acceptable</th>
<th>Good</th>
<th>Excellent</th>
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<tbody>
<tr>
<td></td>
<td>0</td>
<td>4</td>
<td>7</td>
<td>10</td>
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<tr>
<td>Presentation has many grammar and spelling problems. Student did not follow instructions.</td>
<td>Some spelling and grammar problems. Student did not follow instructions completely.</td>
<td>No spelling and grammar problems. Student partially followed instructions.</td>
<td>No spelling and grammar problems. Student followed instructions.</td>
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<table>
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<tr>
<th>Response to Questions</th>
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<th>2</th>
<th>3</th>
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<tbody>
<tr>
<td>Incorrect responses</td>
<td></td>
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<td></td>
<td>Excellent responses</td>
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<table>
<thead>
<tr>
<th>Content of Presentation</th>
<th>2</th>
<th>5</th>
<th>10</th>
<th>15</th>
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</thead>
<tbody>
<tr>
<td>Not informative; no evidence of research</td>
<td>Minimal research</td>
<td>Sufficient amount of research</td>
<td>Student showed obvious signs of excellent in research</td>
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<th>5</th>
<th>10</th>
<th>15</th>
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<tbody>
<tr>
<td>Poor delivery and dress</td>
<td>Unprofessional dress and good delivery</td>
<td>Professional dress and good delivery</td>
<td>Professional and excellent delivery</td>
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**Student Presentations**: All presentations should follow the format provided by the instructor.

Term Paper Guidelines will be posted on WebStudy in Week 2 of the course.

**Academic Honor Code**: As our mission statement indicates, Central Baptist College is a community of learners dedicated to the integration of Christian faith and academic excellence. To achieve this aim, we must act with honor and integrity; therefore, we hold ourselves accountable. We will refrain from all academic fraud. We will not misrepresent our work, help others to cheat, or receive unauthorized aid on a test or other assignment. We will endeavor to reflect the excellence of Christ in all we say and do.

**Harassment Policy**: It is CBC’s policy that all personnel have the right to work and/or study in an environment free from illegal discrimination including all types of harassment. Please familiarize yourself with Harassment Policy on pages 13-15 of the Student Handbook.

**Withdrawing from the Course**: Students who wish to withdraw from the course must complete the withdrawal process. This process starts with the CBC website. Ceasing to attend class does not constitute a withdrawal from the course. Students who do not properly withdraw from the course will receive a failing grade.