

Course Syllabus

Pharmacology/Toxicology - BASC-7101 Spring, 2010

Course Director: Dr. J. Michael Perryman

COURSE NUMBER	BASC-7101	COURSE NAME	Pharmacology/Toxicology
TRIMESTER CREDIT HOURS	3	TOTAL CONTACT HOURS	45
LECTURE HOURS PER WEEK	3	LECTURE CONTACT HOURS	45

Faculty:

Dr. Perryman and Dr. Giggelman

Total Contact Hours Per Trimester: 45

**Trimester
Credit Hours**

3 Hours M-W-F 8:00 – 8:50

Instructors:

J. Michael Perryman, M.D. (Mperrymn@parkercc.edu) Ext.#7329
Gene F. Giggelman, D.V.M. (Ggigلمان@parkercc.edu) Ext #7301

Mon., Fri. 6:30 - 8:00 a.m.

Office Hours:

Tues, Thur 12:00 - 1:00

Students may arrange appointment on individual basis.

Pharmacology / Toxicology is the study of drugs, with special emphasis on drug usage, clinical effects, toxic reactions, and poisoning. This course has been specifically designed and organized so as to introduce students of Parker College of Chiropractic to the foundational concepts of Pharmacology and Toxicology. Although chiropractors in Texas do not currently prescribe drugs, the frequency with which their clients may also use prescription and/or on-prescription drugs makes it imperative for the chiropractic clinician to have a sound working knowledge of the more commonly used medicinals.

**Course
Description:**

Topics to be discussed will include major classifications of drugs as they relate to organ systems or major pathophysiological disease entities. It is of paramount importance for the chiropractic clinician to be well-versed in the basic mechanisms of action of drug classifications, their side effects, as well as their effects on various laboratory indices. As a primary health care clinician, the chiropractor may also be called upon to render aid and/or to provide directives in cases of poisoning and exposure to toxic substances by their patients. The Toxicology section of the course will review the more common toxins, their effects, and appropriate treatments.

Prerequisites:

Physiology I

Required

Crash Course in Pharmacology, by Barnes, 2nd edition, Mosby, 2006.

Texts:

Pharm/Tox Notebook. 7th Edition, Perryman & Giggelman

Reference

Natural Standard Herb & Supplement Handbook, by Bausch & Ulbricht ,

Texts: Elsevier/Mosby, 2005.
Handbook of Medical Toxicology, Viccellio; Little, Brown & Company P.D.R.

90 -100 = A
80 - 89 = B

Grading Scale: 70 - 79 = C
< 70 = F

3 Major Exams 25.0% each = 75%
1 Comprehensive Final = 25%
Test Dates - See Lecture Schedule Guide

Quizzes

Quizzes can be given at anytime during any class period. Each quiz given during each unit will represent extra points added the exam given over each specific unit of material (i.e. **3 quizzes-3 points**) Quizzes can range from 5 - 10 questions. **There are no make-up quizzes.**

Evaluation:

A student who has at least a 90% attendance and a 90% average on all grades on the last day of class will be exempt from taking the Final Exam. Since this is a 45 hour course, 4.5 hours is 10%. The maximum number of hours that a student can miss and still be eligible for the 90:90 rule is 5 hours. It also a universal policy that any student who exceeds 20% absences (a total of 9 hours in this course) will receive a drop of one letter grade in the course, based their final average in the course.

Audio/Video Recording: Since the courts have ruled that a professor's voice and physical image are their personal property, the prerogative of audio taping and/or video recording of lectures is a right specifically reserved to faculty. Audio taping and/or video taping is NOT allowed in the Pharmacology/Toxicology course.

Academic Dishonesty Cheating will not be tolerated. If you are caught cheating, you will receive a "0" on that exam and disciplinary action will be taken which could result in your dismissal from Parker College. If you are suspected of cheating on an exam you may be singled out and required to sit in the front of the classroom so that you can be clearly watched. The cheating policy included lecture exams, lab quizzes and lab practicals.

Common Policies For policies on attendance, missed exams, exam review, bereavement policy, etc., please refer to the **Policies Common to all Parker College Academic Courses** link on the **Academics/Coursework** webpage.

Computer Use Students are encouraged to utilize personal computers in the classroom for taking notes, following the lecture outlines or reference materials, etc. Other uses unrelated to the

lecture topic are not allowed. As an example, surfing the Internet or playing games during lecture or lab time is strictly prohibited and will result in the student being asked to discontinue use of their computers. Also, the student may be asked to leave the classroom and will be counted absent for that class period.

**IMPORTANT
NOTE:**

The provisions contained in this syllabus do not constitute a contract between the student and Parker College of Chiropractic. These provisions may be changed at any time for any reason at the discretion of the course directors. When necessary, in the view of the college, appropriate notice of such changes will be given to the student.

Class Announcements:

When we need to transmit important information to the class or an individual student, we will contact you via your Parker email address. As a Parker student you are responsible to periodically check your email. If you do not know your Parker email address, or how to log on to collect your email messages, contact Information Services at ext.# 7450. If you experience an adverse outcome from missing important information, "I don't check my email" will not be considered a valid excuse.

Pharmacology - Toxicology Course Missions, Goals and Objectives:

As discussed in the Mission Statement of the College, Doctors of Chiropractic serve as primary health care providers. In order to diagnose, interpret disease entities as they relate to the vertebral subluxation it is essential that the student have a sound background and a thorough understanding of human physiology. Completion of Pharm-Tox should provide the student with basic understanding of the following objectives.

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

1. Discuss the principles of drug action, safety, and disposition in the body.
2. Recognize and classify prescription / non-prescription drugs and their clinical indications as commonly seen in clinical practice.
3. Describe the mechanism of action and clinical effects of commonly used drugs on the physiological and biochemical level of organ systems (where known).
4. List the major clinically significant side effects, adverse reactions, and contraindications of commonly used drugs.
5. Discuss some of the basic dynamics in the science of Toxicology as it relates to toxic reactions of either idiopathic or iatrogenic origin.
6. Recognize some of the more common manifestations of poisonings as they may present clinically.
7. Describe appropriate evaluation and treatment modalities in the management of poisoning.

How To Study Pharmacology: Although pharmacology has a rational basis in Physiology, Biochemistry and other areas of basic science which will aid you in your study, there are a number of names and

miscellaneous bits of information that you are expected to learn. This outline syllabus supplies a core structure for lecture material to be discussed in class. And while lecture notes attempt to emphasize the most significant information of value, you are strongly advised to supplement these by references to and study of the text assignments shown on the course schedule.