

Pharmacology/Toxicology Course Syllabus

GENERAL COURSE INFORMATION:

Course Title: Pharmacology/Toxicology

Trimester Credit Hours: 3

Course Director: Dr. J. Michael Perryman

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Instructors: Gene Gigglesman, D.V.M.

J. Michael Perryman, M.D.

Office Hours: M/F 6:30-7:50 Tu/Th 12:00-12:50

Course Number: BASC-7101

Total Contact Hours Per Trimester: 45

Class meeting time: M/W/F 8:00-8:50

Lab Hours Per Week: 0

Lab Contact Hours/Trimester: 0

COURSE DESCRIPTION:

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. 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.

LEARNING OBJECTIVES:

Learning Outcomes: At the completion of this course, the student should:

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.

GENERAL APPROACH TO TEACHING:

PREREQUISITES: Physiology I

REQUIRED TEXTBOOKS:

Crash Course in Pharmacology, by Barnes, 2nd edition, Mosby, 2006.
Pharm/Tox Notebook. 7th Edition, Perryman & Giggelman

RECOMMENDED ADDITIONAL TEXTBOOKS:

Natural Standard Herb & Supplement Handbook, by Bausch & Ulbricht , Elsevier/Mosby, 2005.
Handbook of Medical Toxicology, Viccellio; Little, Brown & Company P.D.R.

EVALUATION AND GRADING POLICY:

Evaluation is an integral part of the educational process and is used as an educational tool identify problem areas, to recognize and reward achievement, and to identify students who are unable to meet the rigors of the curriculum. Final course grades and their interpretation are listed below:

Grade	Numerical Value	Grade Point Average	Interpretation of Academic Achievement
A	90 - 100	4.0	Excellent
B	80 – 89	3.0	Above Average
C	70 – 79	2.0	Satisfactory
F	Below 69.5	0.0	Unacceptable

EVALUATION:

The student will be evaluated during the course as follows:

Lecture Tests	Lecture Test 1	25%
	Lecture Test 2	25%
	Lecture Test 3	25%
	Lecture Test 4 (FINAL)	25%

ESTIMATE OF STUDENT WORK LOAD:

A student should plan to spend a minimum of 3 to 6 hours per week on materials presented in this course. 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.

90/90 RULE:

A student who has a 90 or better average in this course (for all exams, lab practicals and lab quizzes) and who has attended class 90% or more of the class meetings, including labs, will have the option of being exempted from taking the final exam. A student wishing to be exempt from the final exam must submit this request in writing in person to the course director by the Thursday of the last day of regular classes. Permission to be exempt from the final exam will be given on a case-by-case basis and will be given at the time of presentation of the written request.

A complete listing of all common academic policies is found on the Parker Website: www.parkercc.edu

(My Parker, Academics home Page, College catalog, Policies common to all Parker Courses (Spring 2010)

Examinations (Make up Exams/Lab Practical & Altering Grades on Exams/Exam Review)

Missed Exam Policy

Final Examinations

Grading System

Academic Promotion, Probation and Dismissal Policy

Appeals

Classroom Behavior

Professional Decorum

Academic Dishonesty

Attendance Policy

Absences for Religious Holidays

Student Bereavement Policy

Assistance and Accommodations

Excused Absences

Computer Usage

Cell Phones and Electronic Devices in Class

Audio/Video Taping

Communications

Special Needs Consideration

LECTURE EXAM REVIEW The review period for each exam will begin after the posting of the grades and last for (5) working days only. (Excluding Weekends and holidays) Questions concerning the final exam and or final course grades must be reviewed with the Course Directory by 3PM on the third day of the new trimester.

Special Needs Consideration: Parker College of Chiropractic adheres to section 504 of the Federal Disability law and assists qualified students. If you feel you qualify for this type of assistance, you should contact the Office of Student Affairs.

IMPORTANT NOTE:

The provisions contained in this syllabus do not constitute a binding contract between the student and the Parker College of Chiropractic. These provisions may be changed at any time and for any reason at the discretion of the Course Director. When it is necessary to make changes to this document, appropriate notice (at least one week, if possible) will be given to the student(s).