

Pharmacology/Toxicology Course Syllabus

GENERAL COURSE INFORMATION:

Course Title: Pharmacology/Toxicology

Trimester Credit Hours: 2

Course Director: Dr. J. Michael Perryman

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Instructors: Gene Giggelman, D.V.M.

J. Michael Perryman, M.D.

Office Hours: M/W 6:30-7:50 T/Th 12:00-12:50

Course Number: BASC-6202

Total Contact Hours Per Trimester: 30

Class meeting time: T/Th 9:00-9:50

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.

GENERAL APPROACH TO TEACHING:

The purpose of this course is the introduction and clinical application of selected topics in Pharmacology and Toxicology. This will be accomplished thru multiple approaches to include didactic discussion, power point presentations, and in-class discussion of applicable case studies. Students are expected to come to class prepared to discuss topics as they are outlined in the Pharmacology/Toxicology Lecture Notebook provided.

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.

ESTIMATE OF STUDENT WORKLOAD:

Depending on the level of success one would anticipate in this course, the student should plan on spending an average of 7-10 hours per week reviewing materials presented in this class. I would also encourage the student to consider accessing the podcast presentation made available thru Information Services. A student should plan to spend a minimum of 3 to 6 hours per week on materials presented in this course. Pharmacology has a rational basis in Physiology, Biochemistry. The 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.

LEARNING OUTCOMES:

At the 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.

ASSESSMENT:

The student will be assessed in this course by lecture exams composed of multiple choice questions which will cover materials and subject matter to be discussed in class. Pop quizzes will also be utilized as an assessment tool and will be given anytime during any class period. Quizzes given during each unit of material will represent extra points added the exam given over the current unit of material(i.e.3 quizzes-3 points)Quizzes range from 5-10 questions. No make-up quizzes. There will be a comprehensive Final Exam, usually 100 questions in length, that will cover topics discussed over the course of the trimester. The questions will be matched with the learning outcomes listed above to ensure continuity between lecture and exams given.

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.

SUPPLIES: Supplies necessary for this course include 4 scantrons (#882) for the scheduled lecture exams.. Student will also need to have notebook paper available for in class pop quizzes.

GRADING SYSTEM:

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	89.5 - 100	4.0	Excellent
B	79.5 – 89.4	3.0	Above Average
C	69.5 – 79.4	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	30%
	Lecture Test 2	30%
	Lecture Test 3 (FINAL)	30%
	Homework Assignments	10%

LABS: There is no lab component for this course.

OPEN LABS: Not applicable.

90/90 RULE: This is not a 90/90 class.

EXTRA CREDIT: There is no extra credit work available in this course.

**A complete listing of all Academic policies is found on the
MyParker Website/Academic Home Page/Common Policies:**

Absences for Religious Holidays
Academic Dishonesty
Academic Promotion, Probation and Dismissal Policy
Appeals
Assistance and Accommodations
Attendance Policy
Audio/Video Taping
Cell Phones and Electronic Devices in Class
Classroom Behavior
Communications
Computer Usage
Examinations (Make up Exams/Lab Practicals)
Altering Grades on Exams
Exam Review
Final Examinations
Grading System
Late Instructors to Lecture/Lab
Missed Exam Policy
Professional Decorum
Special Needs Consideration
Student Bereavement Policy
Excused Absences

DISCLAIMER

The lecture outlines contained in the lecture booklet are NOT intended to represent the entire content of the course. A lecture outline is intended to be a guide to the lecture. The responsibility of the instructor is to follow the outline, expand the concepts and give explanation and illustrations to clarify content. The role of the student is to attend lecture and take notes over material presented by the lecturer that explains and illustrates the material listed in the outline. It is also the responsibility of the student to question the instructor if explanations and illustrations are not clearly presented or understood.

The instructors take no responsibility for the accuracy or completeness of old notes, quiz questions or exam questions that students may purchase, acquire from off of the internet or be given by previous students.

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).