

 FLORIDA ATLANTIC UNIVERSITY	NEW COURSE PROPOSAL Graduate Programs		UGPC Approval _____ UFS Approval _____ SCNS Submittal _____ Confirmed _____ Banner Posted _____ Catalog _____
	Department <u>Biomedical Science</u> College <u>medicine</u> <small>(To obtain a course number, contact erudolph@fau.edu)</small>		
Prefix GMS Number 6515	<small>(L = Lab Course; C = Combined Lecture/Lab; add if appropriate)</small> Lab Code	Type of Course Lecture	Course Title Pharmacology
Credits <small>(Review Provost Memorandum)</small> 3	Grading <small>(Select One Option)</small> Regular <input checked="" type="radio"/> Sat/UnSat <input type="radio"/>	Course Description <small>(Syllabus must be attached; see Guidelines)</small> This course introduces the study of the properties, effects, and therapeutic value of the primary agents in the major drug categories. Topics include cholinergic drugs, adrenergic drugs, hormones, diuretics, cardiovascular agents, respiratory drugs, and gastrointestinal agents.	
Effective Date <small>(TERM & YEAR)</small> Fall 2018			
Prerequisites NONE	Corequisites NONE	Registration Controls <small>(Major, College, Level)</small> Instructor Permission Required	
<i>Prerequisites, Corequisites and Registration Controls are enforced for all sections of course</i>			
Minimum qualifications needed to teach course: Member of the FAU graduate faculty and has a terminal degree in the subject area (or a closely related field.)	List textbook information in syllabus or here		
Faculty Contact/Email/Phone Dr. Rui Tao rtao@health.fau.edu (561) 297-0713	List/Attach comments from departments affected by new course		

Approved by Department Chair <u><i>Janet Robinson</i></u> College Curriculum Chair <u><i>Janet Robinson</i></u> College Dean <u><i>Ray M. ...</i></u> UGPC Chair _____ UGC Chair _____ Graduate College Dean _____ UFS President _____ Provost _____	Date <u><i>6/1/18</i></u> <u><i>8/10/18</i></u> <u><i>6/4/18</i></u> _____ _____ _____ _____
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Email this form and syllabus to UGPC@fau.edu one week before the UGPC meeting.

**Summer 2018
Pharmacology and Therapeutics**

Course # PCB6933
Instructors: Dr. R. Tao
Course hour: TR 1:15-4:25 PM
Place: SO 390
Office hour & place: TR 8:15-11:25 AM, BC 327

Textbook: Lippincott Illustrated Reviews: Pharmacology. 6th Ed. Pages: 566

Course Description

This pharmacology course provides a sound knowledge of how the time-course of drug action may depend on the processes of drug absorption, distribution, metabolism and excretion. The course also outlines basic concepts of pharmacogenetics and pharmacogenomics. Topics of the systemic pharmacology include cholinergic drugs, adrenergic drugs, anesthetics, antipsychotics, antidepressants, anticonvulsants, antineurodegenerative agents, and NSAID.

Course Objectives:

Upon completion, students should be able to place major drugs into correct therapeutic categories and identify indications, side effects, and trade and generic names.

Lecture 1: General pharmacology

1:15-4:25 PM, Tuesday, 6/26/2018

Objectives

1. Introduction
2. Drug sources
3. Drug prescriptions
4. Routes of administration
5. Dosages

Reading:

PPT

Lecture 2: General pharmacology

1:15-4:25 PM, Thursday, 6/28/2018

Objectives

1. Factors
2. Disposition
3. Absorption

Reading:

PPT

GRADUATE COLLEGE

AUG 13 2018

Received

Lecture 3: General pharmacology

1:15-4:25 PM, Tuesday, 7/3/2018

Objectives

1. Distribution
2. Biotransformation

Reading:

Pg 1-24

Lecture 4: General pharmacology

1:15-4:25 PM, Thursday, 7/5/2018

Objectives

- 1 Excretion
- 2 Pharmacokinetics

Reading:

Pg 1-24

Lecture 5: Pharmacodynamics

1:15-4:25 PM, Tuesday, 7/10/2018

Objectives

- 1 Pharmacodynamics

Reading:

Pg 25-38

Lecture 6: Cholinergic drugs

1:15-3:25 PM, Thursday, July 12, 2018

Objectives

1. Cholinergic agonists
2. Cholinergic antagonists
3. NM blocks

Reading:

Pg 39-75

Midterm (45%)

3:25-4:25 PM, Thursday, July 12, 2018

Lecture 7: Adrenergic drugs

1:15-4:25 PM, Tuesday, 7/17/2018

Objectives

- 1 Adrenergic agonists
- 2 Adrenergic antagonists

Reading:

77-106

Lecture 8: Anxiolytics and hypnotics

1:15-4:25 PM, Thursday, 7/19/2018

Objectives

1. Anxiolytics
2. Hypnotics

Reading:

121-134

Lecture 9: Anticonvulsants and anesthetics

1:15-4:25 PM, Tuesday, 7/24/2018

Objectives

- 1 Drugs for epilepsy
- 2 Muscle relaxants
- 3 Local anesthetics
- 4 Inhalant anesthetics
- 5 Injection anesthetics

Reading :

157-190

Lecture 10: Antidepressants, opioid and antipsychotics

1:15-4:25 PM, Thursday, 7/26/2018

Objectives

1. Antidepressants
2. Opioids
3. Antipsychotics

Reading :
135-155; 191-223

Lecture 11: Neurodegenerative drugs

1:15-4:25 PM, Tuesday, 7/31/2018

Objectives

- 1 Parkinson's drugs
- 2 Alzheimer's' drugs
- 3 MS drugs

Reading:
107-119

Lecture 12: NSAID

1:15-4:25 PM, Thursday, 8/2/2018

Objectives

- 1 NSAID

Reading:
447-469

Final exam (45%)

TBA

Time: TBA

Place: TBA

Grades posted

1:15-4:25 PM, Tuesday, 8/7/2018

Attendance Policy

You are required to attend all classes, which account for 10% of the final grade. However, if you cannot attend class for understandable reason, you should inform the instructor before a class (preferably). Notification after-the-fact will not be acceptable unless you have a proof that you cannot do it

Classroom etiquette policy and academic honor

In order to enhance and maintain a productive atmosphere for education, personal communication devices, such as cellular telephones and pagers, are to be disabled in class sessions. Students are expected to follow the academic honor code (University Regulation 4.001 at www.fau.edu/regulations/chapter4/4.001_Honor_Code.pdf)

Policy on makeup tests, late work, and incompletes

Makeup tests and late work are not allowed unless an approved physical problem or schedule conflicting with University-approved activities

Disability policy In compliance with the Americans with Disabilities Act Amendments Act (ADAAA), students who require reasonable accommodations due to a disability to properly execute coursework must register with Student Accessibility Services (SAS) and follow all SAS procedures. SAS has offices across three of FAU's campuses – Boca Raton, Davie and Jupiter – however disability services are available for students on all campuses. For more information, please visit the SAS website at www.fau.edu/sas/.

Examinations and Grades:

The final grade for this class will be determined by the total points as earned by taking the two required exams including midterm and final exam. Final grades will be determined by using the following scale.

A: 90 -100%

B: 80 – 89%

C: 70 – 79%

D: 60 – 69%

F: 59% or lower

Counseling and Psychological Services (CAPS) Center

Life as a university student can be challenging physically, mentally and emotionally. Students who find stress negatively affecting their ability to achieve academic or personal goals may wish to consider utilizing FAU's Counseling and Psychological Services (CAPS) Center. CAPS provides FAU students a range of services – individual counseling, support meetings, and psychiatric services, to name a few – offered to help improve and maintain emotional well-being. For more information, go to <http://www.fau.edu/counseling/>.