

 <b>FLORIDA ATLANTIC UNIVERSITY</b>	<b>NEW COURSE PROPOSAL</b> <b>Graduate Programs</b>		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 <b>GMS</b> Number <b>6515</b>	<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> <b>3</b>	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 &amp; YEAR)</small> <b>Fall 2018</b>	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	

<b>Approved by</b> Department Chair <u>Janet Adkinson</u> College Curriculum Chair <u>Janet Adkinson</u> College Dean <u>[Signature]</u> UGPC Chair <u>[Signature]</u> UGC Chair _____ Graduate College Dean <u>Mehmet Subhan</u> UFS President _____ Provost _____	<b>Date</b> <u>6/1/18</u> <u>8/10/18</u> <u>6/4/18</u> <u>8/22/18</u> <u>6/20/18</u> <u>8/22/2018</u>
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Email this form and syllabus to [UGPC@fau.edu](mailto:UGPC@fau.edu) one week before the UGPC meeting.

GRADUATE COLLEGE

AUG 13 2018

Received

**Summer 2018  
Pharmacology**

**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. 6<sup>th</sup> Ed. Pages: 566

**Course Description**

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.

**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.

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***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

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***Lecture 2: General pharmacology***

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

**Objectives**

1. Factors
2. Disposition
3. Absorption

**Reading:**

PPT

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***Lecture 3: General pharmacology***

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

**Objectives**

1. Distribution
2. Biotransformation

**Reading:**

Pg 1-24

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***Lecture 4: General pharmacology***

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

**Objectives**

- 1 Excretion
- 2 Pharmacokinetics

**Reading:**

Pg 1-24

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***Lecture 5: Pharmacodynamics***

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

**Objectives**

- 1 Pharmacodynamics

**Reading:**

Pg 25-38

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***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

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***Midterm (45%)***

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

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***Lecture 7: Adrenergic drugs***

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

**Objectives**

- 1 Adrenergic agonists
- 2 Adrenergic antagonists

**Reading:**

77-106

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***Lecture 8: Anxiolytics and hypnotics***

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

**Objectives**

1. Anxiolytics
2. Hypnotics

**Reading:**

121-134

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***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

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***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***

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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***

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

**Objectives**

- 1 NSAID

**Reading:**  
447-469

***Final exam (45%)***

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TBA

Time: TBA

Place: TBA

***Grades posted***

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

**Classroom etiquette policy**

If you have a particular policy relating to student behavior in the class, such as relating to tardiness or on the use of electronic devices in the classroom, state so here. Recognizing the unique relationship between faculty and student and adhering to the principles of academic responsibility, any such policies must be reasonable, non-discriminatory and not impede the educational mission. If you have a policy on the use of recording devices, please include a statement here.

**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/](http://www.fau.edu/sas/).

**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/>.

**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

**Examinations and Grades:**

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. The final grade for this class will be determined by the total points as earned by taking the two required exams including midterm (45% of final grade) and final exam (45% of final grade). 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

**Attendance Policy Statement**

Students are expected to attend all of their scheduled University classes and to satisfy all academic objectives as outlined by the instructor. The effect of absences upon grades is determined by the instructor, and the University reserves the right to deal at any time with individual cases of non-attendance.

Students are responsible for arranging to make up work missed because of legitimate class absence, such as illness, family emergencies, military obligation, court-imposed legal obligations or participation in University-approved activities. Examples of University-approved reasons for absences include participating on an athletic or scholastic team, musical and theatrical performances and debate activities. It is the student's responsibility to give the instructor notice prior to any anticipated absences and within a reasonable amount of time after an unanticipated absence, ordinarily by the next scheduled class meeting. Instructors must allow each student who is absent for a University-approved reason the opportunity to make up work missed without any reduction in the student's final course grade as a direct result of such absence.

**Code of Academic Integrity policy statement**

Students at Florida Atlantic University are expected to maintain the highest ethical standards. Academic dishonesty is considered a serious breach of these ethical standards, because it interferes with the university mission to provide a high quality education in which no student enjoys an unfair advantage over any other. Academic dishonesty is also destructive of the university community, which is grounded in a system of mutual trust and places high value on personal integrity and individual responsibility. Harsh penalties are associated with academic dishonesty. For more information, see University Regulation 4.001. If your college has particular policies relating to cheating and plagiarism, state so here or provide a link to the full policy—but be sure the college policy does not conflict with the University Regulation.