

 FLORIDA ATLANTIC UNIVERSITY	NEW COURSE PROPOSAL Graduate Programs		UGPC Approval _____ UFS Approval _____ SCNS Submittal _____ Confirmed _____ Banner _____ Catalog _____
	Department Biomedical Science College Medicine <i>(To obtain a course number, contact erudolph@fau.edu)</i>		
Prefix GMS Number 6551	<i>(L = Lab Course; C = Combined Lecture/Lab; add if appropriate)</i> Lab Code	Type of Course Lecture	Course Title Advanced Pharmacology
Credits <i>(Review Provost Memorandum)</i> 3	Grading <i>(Select One Option)</i> Regular X Sat/UnSat	Course Description <i>(Syllabus must be attached; see Guidelines)</i> The pharmacology course is divided into two parts. The first part is usually delivered in the spring semester focusing on pharmacokinetics and neuropharmacology. In the second part, students will explore chemotherapeutics and anti-inflammatory drugs. To inspire students to learn high-level pharmacology, the course will emphasize mechanisms of action of each therapeutic drug.	
Effective Date <i>(TERM & YEAR)</i> Spring 2021	Prerequisites NONE		
Prerequisites, Corequisites and Registration Controls are enforced for all sections of course.		Academic Service Learning (ASL) course Academic Service Learning statement must be indicated in syllabus and approval attached to this form.	
		Corequisites NONE	Registration Controls <i>(For example, Major, College, Level)</i> Instructor Permission Required
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>Janet D. Robinson</u> College Curriculum Chair <u>Marc Kantorow</u> College Dean <u>Phillip M. Brindle, MD</u> UGPC Chair _____ UGC Chair _____ Graduate College Dean _____ UFS President _____ Provost _____	Date 10/7/2020 10/7/2020 10/12/2020 _____ _____ _____ _____
--	---

Email this form and syllabus to UGPC@fau.edu 10 days before the UGPC meeting.

2020 Summer

Course	Advanced Pharmacology (GMS 6551)
Instructors:	Dr. R. Tao
Course hour:	TR 1:15-4:45PM
Place:	WebEx/BC130
Office hour & place:	TR 8:30-11:25 AM, WebEx/BC 327

Textbook: Lippincott Illustrated Reviews: Pharmacology. 7th Ed (2018).

Course Description:

The pharmacology course is divided into two parts. The first part is usually delivered in the spring semester focusing on pharmacokinetics and neuropharmacology. In the second part, students will explore chemotherapeutics and anti-inflammatory drugs. To inspire students to learn high-level pharmacology, the course will emphasize mechanisms of action of each therapeutic drug.

Expectations:

In addition to online materials, you are expected to have self-study the textbook thoroughly, and work on the study questions correctly after each chapter.

Course content:

The instructor reserves the right to make changes to the syllabus, including lecture dates, project due dates and test dates (excluding the officially scheduled final exam) when unforeseen circumstances occur. These changes will be announced as early as possible so that students can adjust their schedules.

Date/Time	Objective	Comments
1:15-4:45pm, Tuesday, 6/30/2020	<i>Topic 1: Chemotherapeutic drugs: Cell wall inhibitors</i> 1. Describe principles of antimicrobial therapy. 2. Cell wall inhibitors 2a. Penicillins	
1:15-4:45pm, Thursday, 7/2/2020	<i>Topic 1: Chemotherapeutic drugs: Cell wall inhibitors</i> 2b. Cephalosporins 2c. Carbapenems 2d Monobactams	
1:15-4:45pm, Tuesday, 7/7/2020	<i>Topic 2: Protein synthesis inhibitors</i> 1. Tetracyclines 2. Fluoroquinolones	

1:15-4:45pm, Thursday, 7/9/2020	Topic 2: Protein synthesis inhibitors 8. Sulfonamides	
1:15-4:45pm, Tuesday, 7/14/2020	Topic 3: Antifungal drugs 1. Describe MOA for antifungal drugs 2. Broad-spectrum topical antifungals 3. Narrow-spectrum topical antifungals 4. Antifungals administered systemically	
1:15-2:30pm, Thursday, 7/16/2020	Topic 4: Anti-inflammatory drugs 1. Describe cyclooxygenase pathways and NSAID 2. Acetaminophen	
2:30-4:45pm, Thursday, 7/16/2020	Midterm test (45%)	
1:15-4:45pm, Tuesday, 7/21/2020	Topic 5: Anti-inflammatory drugs 3. Drugs for rheumatoid arthritis 4. Drugs for gout 5. Acetaminophen	
1:15-4:45pm, Thursday, 7/23/2020	Topic 5: Autacoids and antihistamine 1. Describe the respiratory response to antigens and the actions of histamine. 2. H1 antihistamine 3. Compare and contrast antiallergic and antihistaminic drugs with specific reference to their adverse reactions, drug interactions, and contraindications in the treatment of allergies and respiratory diseases	
1:15-4:45pm, Tuesday, 7/28/2020	Topic 6: Drugs for digestive system 1. Describe gastroesophageal reflux disease and vomiting. 2. Antimicrobial agents 3. antiemetics	
1:15-4:45pm, Thursday, 7/30/2020	Topic 6: Drugs for digestive system 4. Proton pump inhibitors 5. Antacids	
1:15-4:45pm, Tuesday, 8/4/2020	Reading days	

1:15-4:45pm, Thursday, 8/6/2020	<i>Final exam (45%)</i>	
8/12/2020	<i>Final grades posted on Canvas</i>	

Grade Evaluation:

Midterm 45%
Final Exam 45%
Attendance 10%

Attendance Policy

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 3 without any reduction in the student’s final course grade as a direct result of such absence.

Classroom etiquette policy and academic honor

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.

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/counselin>

