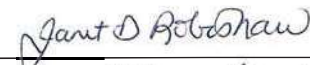




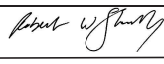


 <b>FLORIDA ATLANTIC UNIVERSITY</b>	<b>NEW COURSE PROPOSAL</b> <b>Graduate Programs</b>		UGPC Approval _____ UFS Approval _____ SCNS Submittal _____ Confirmed _____ Banner _____ Catalog _____
	<b>Department Biomedical Science</b> <b>College Medicine</b> <i>(To obtain a course number, contact <a href="mailto:erudolph@fau.edu">erudolph@fau.edu</a>)</i>		
<b>Prefix</b> GMS  <b>Number</b> 6551	<i>(L = Lab Course; C = Combined Lecture/Lab; add if appropriate)</i> <b>Lab Code</b>	<b>Type of Course</b> Lecture	<b>Course Title</b> Advanced Pharmacology
<b>Credits</b> <i>(Review Provost Memorandum)</i> 3	<b>Grading</b> <i>(Select One Option)</i>  <b>Regular</b> X  <b>Sat/UnSat</b>	<b>Course Description</b> <i>(Syllabus must be attached; see <a href="#">Guidelines</a>)</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.	
<b>Effective Date</b> <i>(TERM &amp; YEAR)</i> Spring 2021	<b>Prerequisites</b> NONE		
<b>Prerequisites, Corequisites and Registration Controls are enforced for all sections of course.</b>		<b>Academic Service Learning (ASL) course</b> Academic Service Learning statement must be indicated in syllabus and approval attached to this form.	
		<b>Corequisites</b>  NONE	<b>Registration Controls</b> <i>(For example, Major, College, Level)</i>  Instructor Permission Required
<b>Minimum qualifications needed to teach course:</b> Member of the FAU graduate faculty and has a terminal degree in the subject area (or a closely related field.)		<b>List textbook information in syllabus or here</b>	
<b>Faculty Contact/Email/Phone</b> Dr. Rui Tao <a href="mailto:rtao@health.fau.edu">rtao@health.fau.edu</a> (561) 297-0713		<b>List/Attach comments from departments affected by new course</b>	

<b>Approved by</b> Department Chair <u></u> College Curriculum Chair <u></u> College Dean <u></u> UGPC Chair <u></u> UGC Chair <u></u> <small>Paul R. Peluso (Nov 18, 2020 08:43 EST)</small> Graduate College Dean <u></u> UFS President _____ Provost _____	<b>Date</b> 10/7/2020 10/7/2020 10/12/2020 Nov 17, 2020 Nov 18, 2020 Nov 18, 2020 _____ _____
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Email this form and syllabus to [UGPC@fau.edu](mailto:UGPC@fau.edu) 10 days before the UGPC meeting.

## 2020 Summer

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

**Textbook:** Lippincott Illustrated Reviews: Pharmacology. 7<sup>th</sup> 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.

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

1:15-4:45pm, Thursday, 7/9/2020	<b>Topic 2: Protein synthesis inhibitors</b> 8. Sulfonamides	
1:15-4:45pm, Tuesday, 7/14/2020	<b>Topic 3: Antifungal drugs</b> 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	<b>Topic 4: Anti-inflammatory drugs</b> 1. Describe cyclooxygenase pathways and NSAID 2. Acetaminophen	
2:30-4:45pm, Thursday, 7/16/2020	<b>Midterm test (45%)</b>	
1:15-4:45pm, Tuesday, 7/21/2020	<b>Topic 5: Anti-inflammatory drugs</b> 3. Drugs for rheumatoid arthritis 4. Drugs for gout 5. Acetaminophen	
1:15-4:45pm, Thursday, 7/23/2020	<b>Topic 5: Autacoids and antihistamine</b> 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	<b>Topic 6: Drugs for digestive system</b> 1. Describe gastroesophageal reflux disease and vomiting. 2. Antimicrobial agents 3. antiemetics	
1:15-4:45pm, Thursday, 7/30/2020	<b>Topic 6: Drugs for digestive system</b> 4. Proton pump inhibitors 5. Antacids	
1:15-4:45pm, Tuesday, 8/4/2020	<b>Reading days</b>	

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/](http://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>

