

FLORIDA ATLANTIC UNIVERSITY™

Graduate Programs—NEW COURSE PROPOSAL

UGPC APPROVAL _____
 UFS APPROVAL _____
 SCNS SUBMITTAL _____
 CONFIRMED _____
 BANNER POSTED _____
 CATALOG _____

DEPARTMENT: N/A

COLLEGE: COLLEGE OF MEDICINE

RECOMMENDED COURSE IDENTIFICATION:

PREFIX BMS COURSE NUMBER 6045 BTZ LAB CODE (L or C)

(TO OBTAIN A COURSE NUMBER, CONTACT RPOLANSK@FAU.EDU)

COMPLETE COURSE TITLE: SYNTHESIS AND TRANSITION

EFFECTIVE DATE

(first term course will be offered)

SPRING 2013

CREDITS: 4

TEXTBOOK INFORMATION: Principles of Pharmacology: The Pathophysiologic Basis of Drug Therapy. 3rd edition. David E. Golan, editor. Philadelphia: Lippincott, Williams and Wilkins, 2012.

GRADING (SELECT ONLY ONE GRADING OPTION): REGULAR SATISFACTORY/UNSATISFACTORY X

COURSE DESCRIPTION, NO MORE THAN 3 LINES: Synthesis and Transition is 4-week course at the end of Year 2 designed to help students synthesize knowledge acquired in the first two years of medical school to prepare them for a smooth transition to the Year 3 clerkships.

PREREQUISITES*:

MUST HAVE SUCCESSFULLY COMPLETE ALL PREVIOUS COURSES IN THE MD PROGRAM

COREQUISITES*:

REGISTRATION CONTROLS (MAJOR, COLLEGE, LEVEL)*:

* PREREQUISITES, COREQUISITES AND REGISTRATION CONTROLS WILL BE ENFORCED FOR ALL COURSE SECTIONS.

MINIMUM QUALIFICATIONS NEEDED TO TEACH THIS COURSE:

MD, PhD, or equivalent on COM Faculty BTZ

Faculty contact, email and complete phone number:
 Lindsey Henson, M.D., Ph.D.; 561 297-2219; Lindsey.henson@fau.edu

Departments and/or colleges that might be affected by the new course must be consulted and listed here. Please attach comments from each.

Approved by:

Department Chair: Lindsey Henson
 College Curriculum Chair: Pre Luis Arzavalo
 College Dean: [Signature]
 UGPC Chair: _____
 Graduate College Dean: _____

Date:

3/5/12
3/5/12
5-3-12

ATTACHMENT CHECKLIST

- ♦ Syllabus (see guidelines for requirements: <http://www.fau.edu/graduate/facultyandstaff/programscommittee/index.php>)
- ♦ Written consent from all departments affected by new course

**FLORIDA ATLANTIC UNIVERSITY
CHARLES E. SCHMIDT COLLEGE OF MEDICINE
COURSE SYLLABUS**

GENERAL INFORMATION

Course Number:	BMS 6045
Online:	Blackboard Learning System
Term:	Spring Semester Year 2
Course Title:	Synthesis and Transition
Course Director:	Lindsey Henson, M.D., Ph.D.
Office:	BC-71 Room 145
Office Hours:	Tuesday, Wednesday 1:30 – 3:00 p.m.
Telephone:	297 2219 (Sharon Realini)
E-Mail:	Lindsey.henson@fau.edu

COURSE DESCRIPTION

Synthesis and Transition is 4-week course at the end of Year 2 designed to help students synthesize knowledge acquired in the first two years of medical school to prepare them for a smooth transition to the Year 3 clerkships. The course will include a complex PBL case designed to integrate across multiple organ systems and focus on differential diagnosis and treatment decisions. It will include pharmacology lectures and problem sets to help consolidate their mastery of pharmacology, which is distributed across the entire first two years. Students will take a USMLE comprehensive knowledge test before the course begins, to obtain formative feedback on areas of focus for their USMLE study.

COURSE OBJECTIVES

After completing this course the student will:

1. Apply basic principles of pharmacokinetics and pharmacodynamics.
2. Describe the mechanisms of actions, side effects, and interactions of major classes of therapeutic agents used for common diseases, including anti-cancer drugs, antibiotics, antivirals, anticonvulsants, antidepressants, psychotropic drugs, antihypertensive drugs, other cardiac medications, and medications for endocrine diseases.
3. Apply basic understanding of the autonomic nervous system and autonomic pharmacology to clinical cases.
4. Describe mechanisms of actions, sign and symptoms, and treatments for drugs of abuse and toxic environmental agents.

5. Apply probabilistic clinical decision making to a complex patient case.
6. Apply basic knowledge of pathophysiology and therapeutics to clinical problem solving.
7. Demonstrate ability to search the literature, identify and evaluate the quality of resources, and apply them to clinical decision making.
8. Provide a concise, accurate, verbal summary of a patient situation prioritizing the most significant factors for clinical decision-making.
9. Demonstrate competence in working in a small group setting and receiving and providing meaningful and feedback to peers and faculty.
10. Develop a learning plan for study for the USMLE Step 1, based on results of the Comprehensive USMLE Exam taken at the beginning of the course.

EVALUATION

Summative Assessment (Grading): The Synthesis and Transition course will be graded as: S (Satisfactory) or U (Unsatisfactory)

The course grade will have two components (NBME customized exam, and PBL). **In order to pass the course with S grade, the student will be required to pass both components.**

Component 1

The customized NBME examination will cover the pharmacology learning objectives in this course; students will be required to obtain a score of at least 75% to pass the course.

Component 2

The second component is PBL. Grading for PBL will consist of a narrative facilitator assessment at the end of the course and will be given by the facilitators as "satisfactory" (S) and "unsatisfactory" (U) without assigned numerical points. The facilitators will provide notations as to whether the student's academic and professional performance is on the level of S or U based on the student's performance the following areas:

- Use of student's own knowledge base
- Knowledge acquisition/active learning
- Critical thinking/reasoning/problem-solving
- Teamwork/group communication and assessment

COURSE INFORMATION

Attendance Policy

Professionalism is a major component of the FAU College of Medicine's curriculum. Therefore, medical students as future professionals should conduct themselves appropriately in all curricular activities, including classroom work, laboratory work, and clinical experiences. The professionalism of a medical student includes arriving to educational activities on-time, using laptop computers only for course work during the educational activity, and minimizing disruptions to the educational exercise. For this course, students are expected to participate fully in all small group sessions,

simulation exercises, clinical experiences, and examinations. Attendance at lectures is optional. Students will be notified of specific attendance and punctuality requirements in the course syllabus or by an alternate means of written communication.

If a student has an emergency that prevents him/her from attending a scheduled activity, he/she is to follow the emergency notification procedure (http://med.fau.edu/medicine/student_affairs/pdfs/Student_Handbook.pdf). If possible, the student should also call or email to leave a message with the course director or group facilitator. Attendance, including tardiness, is part of the evaluation for professionalism in the Synthesis and Transition course. Poor evaluations may result in decreased grades and, in severe cases, referral to the Medical Students Promotions & Professional Standards Committee.

Religious Observance (Adapted from the FAU Policy)

The College of Medicine recognizes that students, faculty and staff observe a variety of religious faiths and practices. Although many religious holidays are observed with time off, a few of the religious days of observance may be part of the academic calendar. The College respects the religious beliefs and practices of its students and seeks to accommodate them within the requirements of the academic schedule. As a result, a student who must be absent from a class requirement will not be penalized. Students who anticipate absence should notify the OSA and the supervising faculty in advance. The instructor will provide a reasonable opportunity to make up such excused absences. Any student who feels aggrieved regarding religious accommodations may present a grievance to the Director of Equal Opportunity Programs. Any such grievances will follow Florida Atlantic University's established grievance procedure regarding alleged discrimination. The College will follow the established FAU policy regarding absences due to personal observances of religious holidays.

To review the policy, access the Leave of Absence Policy:

http://www.fau.edu/policies/files/PM76_OCR.pdf

Disability Support Services

In compliance with the Americans with Disabilities Act (ADA), students who require special accommodations due to a disability to properly execute coursework must register with the Office for Students with Disabilities (OSD) located in Boca Raton – SU133 (561-297-3880 and follow all OSD procedures.

Honor Code

Students at Florida Atlantic University are expected to maintain the highest ethical standards. Academic dishonesty, including cheating and plagiarism, 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:

1. *The Policy on Academic, Professional and Behavioral Requirements and Standards governing the College of Medicine*
2. *Oath of Academic and Professional Conduct for Students in the College of Medicine*
3. http://www.fau.edu/regulations/chapter4/4.001_Honor_Code.pdf.

REQUIRED TEXT/READINGS

Principles of Pharmacology: The Pathophysiologic Basis of Drug Therapy. 3rd edition. David E. Golan, editor. Philadelphia: Lippincott, Williams and Wilkins, 2012.

COURSE OUTLINE

	Day	Date	Time	Topic(s)
Week 1	Monday	2/25/13	8:00 – 9:50 10:00-10:50 11:00-11:50	Pharmacology Problem Set Drug Metabolism and Distribution 1 Overview of the Institutional Competency Assessment
	Tuesday	2/26/13	8:00 – 9:50 10:00-10:50 11:00-11:50	Clinical Cases Probabilistic Clinical Reasoning and Case Seminars Practice the Case Seminar Process
	Wednesday	2/27/13	8:00 – 9:50 10:00-10:50 11:00-11:50	Case Seminar Day 1 Drug Metabolism and Distribution 2 Endocrinology Review
	Thursday	2/28/13	8:00 – 8:50 9:00 – 9:50 10:00-11:50	Anti-cancer drugs 1 Anti-cancer drugs 1 Pharmacokinetics Problem Set
	Friday	3/1/13	8:00 – 8:50 9:00 – 9:50 10:00-11:50	Antibiotics 1 Antibiotics 1 Case Seminar Day 2
Week 2	Monday	3/4/13	8:00 – 9:50 10:00-10:50 11:00-11:50	Case Seminar Day 3 Antivirals Autonomics
	Tuesday	3/5/13	8:00 – 9:50 10:00-10:50 11:00-11:50	Clinical Cases Anti-consultants and Anti-anxiety Drugs Antidepressants and Antipsychotics
	Wednesday	3/6/13	8:00 – 9:50 10:00-10:50 11:00-11:50	Case Seminar Day 4 Antihypertensives and Diuretics 1 Antihypertensives and Diuretics 2
	Thursday	3/7/13	8:00 –11:50	Simulation Center: Autonomic Pharmacology
	Friday	3/8/13	8:00 – 9:50 10:00-11:50	Pharmacology Applications Case Seminar Day 5

	Day	Date	Time	Topic(s)
Week 3	Monday	3/11/13	8:00 – 9:50 10:00-10:50 11:00-11:50	Case Seminar Day 6 Inotropic Drugs Antiarrhythmic Drugs
	Tuesday	3/12/13	8:00 – 9:50 10:00-10:50 11:00-11:50	Clinical Cases Toxicology 1 Toxicology 2
	Wednesday	3/13/13	8:00 – 9:50 10:00-10:50 11:00-11:50	Case Seminar Day 7 Stimulants and Drugs of Abuse Managing Substance Abuse
	Thursday	3/14/13	8:00 – 11:50	Simulation Center: Autonomic Pharmacology
	Friday	3/15/13	8:00 – 11:50	Medical Student Research Day
Week 4	Monday	3/18/13	8:00 – 9:50 10:00-11:50	Independent Study Time Pharmacology Exam
	Tuesday	3/19/13	8:00 – 11:50	Learning Plans for USMLE Study/Portfolio Meetings/Video Reviews of Clinical Skills/Practice Diagnostic Reasoning (class split among assignments)
	Wednesday	3/20/13	8:00 – 11:50	Learning Plans for USMLE Study/Portfolio Meetings/Video Reviews of Clinical Skills/Practice Diagnostic Reasoning (class split among assignments)
	Thursday	3/21/13	8:00 – 9:50 10:00-11:50	Orientation to Year 3 Clerkships Panel FCHS Learning Plans for USMLE Study/Portfolio Meetings/Video Reviews of Clinical Skills/Practice Diagnostic Reasoning (class split among assignments)
	Friday	3/22/13	8:00 – 9:50 10:00-11:50	Orientation to Year 3 Clerkships Panel MSS Learning Plans for USMLE Study/Portfolio Meetings/Video Reviews of Clinical Skills/Practice Diagnostic Reasoning (class split among assignments)