# FLORIDA TLANTIC UNIVERSITY

### COUDSE DDODOSALI

UGPC Approval UFS APPROVAL \_\_\_\_\_ SCNS SUBMITTAL CONFIRMED \_\_\_\_\_ BANNER POSTED

(attach if necessary)

Graduate Programs—NEW COURSE PROPOSAL						CATALOG	
DEPARTMENT: BIOMEDICAL SCIENCE			COLLEGE: CHARLES E. SCHMIDT COLLEGE OF MEDICINE				
RECOMMENDED COURSE IDENTIFICATION:						EFFECTIVE DATE	
PREFIX PCB Cou	or C) No Lab			(first term course will be offered)			
(TO OBTAIN A COURSE	<u>'UU'</u> )			SPRING 2015			
COMPLETE COURSE	vN						
CREDITS <sup>2</sup> : 3	TEXTBOOK INFORMATION: <u>Drugs, Addiction, and the Brain</u> <b>Authors:</b> G.F. Koob, M.A. Arends, M. LeMoal (2014)						
GRADING (SELECT ONLY ONE GRADING OPTION): REGULAR X SATISFACTORY/UNSATISFACTORY							
on molecular, cell elements are empl	ular, and neurocircui	try systems i lovel insight	n the brain that a s into how the br	are res rain m	sponsible for drug a nediates the acute r	e students with fundamental information addiction. Common neurobiological ewarding effects of drugs of abuse and ion.	
PREREQUISITES *: NONE COREQUISITES *			ISITES*: NONE		REGISTRATION C	ONTROLS (MAJOR, COLLEGE, LEVEL)*:	
			GRADUATE LE		GRADUATE LEVE	L PROGRAM	
			INSTRUCTOR P			MISSION	
* PREREQUISITES, CO	PREQUISITES AND REGIST	RATION CONTR	OLS WILL BE ENFOR	CED F	OR ALL COURSE SECTI	ons.	
MINIMUM QUALIFICA	TIONS NEEDED TO TEAC	H THIS COUR	SE: BIOMEDICAL O	R CO	M FACULTY		
					list departments that might be affected by the new course and attach		
Dr. Ceylan Isgor			comments. <sup>3</sup>				
<u>cisgor@fau.edu</u> Tel. (561) 297-0712			None				
Tel. (501) 257-071	2						
Approved by:	ref				e:	Syllabus must be attached; see guidelines for requirements:	
Department Chair:		_	8/26/14	www.fan.edu/provost/files/course			
College Curriculum		B	1. (1. )	syllābus.2011.pdf			
College Dean:		8	12414	2. Review Provost Memorandum:			
UGPC Chair:			' /	Definition of a Credit Hour www.fan.edu/provost/files/Definition			
Graduate College D				Credit Hour Memo 2012.pdf			
UFS President:				-		3. Consent from affected departments	

Email this form and syllabus to <u>UGPC@fau.edu</u> one week before the University Graduate Programs Committee meeting so that materials may be viewed on the UGPC website prior to the meeting.

Provost:

#### **NEUROBIOLOGY OF ADDICTION- Spring 2015**

Course #

PCB (TBD) – 3 credits Instructor Permission

Course Requisites: Instructors:

Dr. C. Isgor - cisgor@fau.edu

Course hour:

one a week- TBD

Place:

**TBD** 

Office hour & place:

By appointment Rm 323

Text:

Drugs, Addiction, and the Brain

**Authors:** 

G.F. Koob, M.A. Arends, M. LeMoal (2014)

Course Description: This course is intended to provide graduate students with fundamental information on molecular, cellular, and neurocircuitry systems in the brain that are responsible for drug addiction. Common neurobiological elements are emphasized that provide novel insights into how the brain mediates the acute rewarding effects of drugs of abuse and how it changes during the transition from initial drug use to compulsive drug use and addiction. Students will be expected to attend all lectures and participate in in-class discussions, complete 2 in-class exams and give assigned journal article presentations in order to attain full marks. Attendance will be taken every class.

<u>Course Objective</u>: The course is aimed to provide a comprehensive review of drug use, abuse and addiction process from behavioral, neurophysiological and neuropharmacological points of view. The course will introduce common drugs of abuse, and the brain circuitry mediating their effects as well as cover neuroadaptive processes initiated with repeated exposure of each class of abused substances.

#### **Course Schedule:**

Date	<b>Topic</b> Fundamental Theories of Addiction				
January 6					
	An Overview				
January 13	Neuropsychopharmacological Principles				
	Pharmacokinetics				
January 20	Animal Models of Addiction				
	(Topics will be distributed for Journal Presentations)				
January 27	Psychostimulants:				
	Physiology, Behavioral Effects, Pharmacokinetics				
February 3	Journal Presentation Week # 1				

February 10	Opioids:				
	Physiology, Behavioral Effects, Pharmacokinetics				
February 17	Midterm EXAM				
	(35% of final grade; multiple choice and short assay				
	format)				
February 24	Alcohol:				
	Physiology, Behavioral Effects, Pharmacokinetics				
	(Topics will be distributed for Journal Presentations)				
March 3	SPRING BREAK				
March 10	Journal Presentation Week # 2				
March 17	Nicotine:				
	Physiology, Behavioral Effects, Pharmacokinetics				
	(Topics will be distributed for Journal Presentations)				
March 24	Cannabinoids:				
	Physiology, Behavioral Effects, Pharmacokinetics				
March 31	Journal Presentation Week #3				
April 7	Drug Addiction:				
	Transition from Neuroadaptation to Pathophysiology				
April 14	Clinical Perspectives:				
	Treatment of Addictions				
April 23-29	FINAL EXAM				
	(35% of final grade)				
	***************************************				

## Grading:

EXAMS 70 pts
PRESENTATION 20 pts
ATTENDANCE 10 pts

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

**Classroom etiquette:** Please refer to the FAU Catalog and Student Handbook. Compliance with university rules and regulations is expected of all students.

Academic Honor Code: 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.

The FAU Honor Code requires a faculty member, student, or staff member to notify an instructor when there is reason to believe an academic irregularity is occurring in a course. The instructor must pursue any reasonable allegation, taking action where appropriate. The following constitute academic irregularities:

- 1. The use of notes, books or assistance from or to other students while taking an examination or working on other assignments, unless specifically authorized by the instructor, are defined as acts of cheating.
- 2. The presentation of words or ideas from any other source as one's own is an act defined as plagiarism.
- 3. Other activities that interfere with the educational mission of the University.

For full details of the FAU Honor Code, see University Regulation 4.001 at www.fau.edu/regulations/chapter4/4.001 Honor Code.pdf.

Students With Disabilities: In compliance with the American 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) – in Boca Raton, SU 133 (561-297-3880); in Davie, MOD 1 (954-236-1222); in Jupiter, SR 117 (561-799-8585); or at the Treasure Coast, CO 128 (772-873-3305) – and follow all OSD procedures.