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FLORIDA ATLANTIC UNIVERSITY

NEW COURSE PROPOSAL Graduate Programs

Department Center for Complex Systems and Brain Sciences

College College of Science

(To obtain a course number, contact erudolph@fau.edu)

UGPC Approval
UFS Approval
SCNS Submittal
Confirmed
Banner Posted
Catalog

Combined Lecture/Lab;	Type of Course	Course Title	e			
add if appropriate)	Research	GNTP PhD Lab Rotation				
Code						
Grading	Course Description (Syllabus must be attached; see Guidelines)					
(Select One Option)	PhD students adm	itted to the Gradu	uate Neu	roscience Training Program		
Regular (research mentor to	gain training and	d compe	tence in graduate level research		
	and inquiry in neuroscience. The work is typically laboratory-based, and students will engage in up to 3 rotations during their first 2 semesters to explore different research areas before selecting a laboratory for their dissertation work, Requirements for lab work and criteria for evaluation will be					
Sat/UnSat ()						
	Corequisites			tration Controls (Major,		
Permission of the instructor of record						
and the mentor		None		CCSBS, Psychology, Biological Sciences; COS, PhD degree		
			Scien	ices, COS, PIID degree		
Prerequisites, Corequisites and Registration Controls are enforced for all sections of course						
Minimum qualifications needed to teach		List textbook information in syllabus or here				
course: Member of the FAU graduate faculty		NA				
and has a terminal degree in the						
subject area (or a closely related field.)						
Faculty Contact/Email/Phone		List/Attach comments from departments affected by new course				
Kathleen Guthrie, kguthrie@health.fau.edu, 561-297-0457		Three participating COS graduate programs: Biological Sciences, Psychology and the Center for Complex Systems and Brain Sciences. See attached memorandum				
	Add if appropriate) Lab Code Grading (Select One Option) Regular Sat/UnSat Sat/UnSat Structor of record	Combined Lecture/Lab; add if appropriate) Lab Code Grading (Select One Option) Regular Sat/UnSat Sat/UnSat Corequisites Structor of record Ites and Registration Controls are enforts and and a special points are enforts and an and an appropriate and appropriate	Combined Lecture/Lab; add if appropriate) Lab Code Grading (Select One Option) Regular Sat/UnSat Sat/UnSat Corequisites Structor of record Araduate faculty gree in the sely related field.) Code Research Course Description (Syllabus GNTP PhD Students admitted to the Gradus sponsored by the FAU Brain Institute research mentor to gain training and and inquiry in neuroscience. The westudents will engage in up to 3 rotal explore different research areas be dissertation work. Requirements for agreed upon by the mentor and the lites and Registration Controls are enforced for all sections are enforced for all sections and the lites are enforced for all sections are enforced for all se	Combined Lecture/Lab; add if appropriate) Lab Code Grading (Select One Option) Regular Sat/UnSat Corequisites Corequisites		

Approved by	Date
Department Chair of Thampton for Steven Brosler	12/20/2018
College Curriculum Chair	11/0/1/
College Dean Juster by harman deal of the college Dean	1-14-19
UGPC Chair	
UGC Chair	
Graduate College Dean	
UFS President	
Provost	

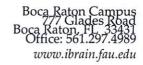
Email this form and syllabus to UGPC@fau.edu one week before the UGPC meeting.

GRADUATE COLLEGE

JAN 1 5 2019

John D. MacArthur Campus 5353 Parkside Drive Jupiter, FL 33431 Office: 561.799.8100 fax: 561.799.8502 www.ibrain.fau.edu





Memorandum

To: University Graduate Program Committee

From: Kathleen Guthrie, PhD, Assistant Director, Graduate Neuroscience Training Program

Subject: New course **Date**: November 29, 2018

This memo requests approval to create a new graduate course entitled "GNTP PhD Lab Rotation" (PCB 6977, 1-2 credits, S/U/I). This is needed as currently there are no doctoral level research rotation courses of this type in Complex Systems and Brain Sciences (CSBS), or Experimental Psychology, two of the programs participating in the FAU Brain Institute's Graduate Neuroscience Training Program (GNTP). The third participating program, Integrative Biology and Neuroscience (IBN), already has a research rotation course in place for their direct admit PhD students (BSC 6977, Integrative Biology Laboratory Rotation, formerly under BSC 6905). PhD students accepted through the GNTP and admitted to their PhD program of interest (IBN, CSBS or Exp Psych) are required to take a common curriculum in their first year. During this time, they will engage in 2-3 research rotations (8-12 wks each) to explore their areas of interest and gain training and experience in different techniques, experimental models, and areas of research in neuroscience. A minimum of two rotations is required, with three recommended. Rotation research credit under the PCB code will apply toward the PhD degrees in all three programs.

Rotations are arranged by mutual agreement between the students and supervising faculty members and can be done in any of the laboratories across the three PhD programs. Required research work and criteria for evaluations (S/U/I) will be agreed upon by the supervising mentor and the student at the start of each rotation. The Assistant Director of Education for the Brain Institute will serve as the instructor of record for registration and grade submission purposes, with the latter based on written faculty evaluations of the students. By the end of the first spring semester, by agreement with a prospective mentor, students will identify the laboratory in which they will pursue their dissertation work. They will then follow the curriculum requirements for the program in which the mentor holds their major academic appointment.

This rotation structure is common to most multidisciplinary Neuroscience PhD programs in the US and has been widely adopted to provide students with breadth in early research experiences, and flexibility in making informed choices when selecting dissertation projects and PhD supervisors. Often it also leads to collaborative research work initiated by students developing projects that overlap the research areas of their rotation laboratories.

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