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MEMORANDUM

TO: Jerry Haky, Chair
Undergraduate Programs Committee

FROM: David L. Wolgin, Chair *David L. Wolgin*
Department of Psychology

RE: Proposal to Change the Requirements for the B.S. in Neuroscience and Behavior

The Department of Psychology and the Department of Biological Science offer a joint B.S. degree program in Neuroscience and Behavior. Currently, students in this program are required to take 58 credits of core courses and 12 credits of elective courses. Elective courses are organized under three tracks (Behavioral Neuroscience, Cellular/Molecular Neuroscience, Ethology/Comparative Psychology) and students must choose their electives from one of these tracks. Unfortunately, due to faculty attrition, it has proven difficult to offer sufficient electives in each track to satisfy student demand, with the result that students have difficulty completing the program in a timely fashion. Accordingly, we propose to change the requirements so that students may select elective courses from any of the three tracks. All other program requirements will remain unchanged. The proposed change has been reviewed and approved by the Dean of the CES College of Science.

Approved by:	Date:
Department Chair (Psych.): <i>David L. Wolgin</i>	<i>6/16/14</i>
Department Chair (Bio. Sci.): <i>R.K. Haky</i>	<i>6-18-14</i>
College Curriculum Chair: _____	_____
College Dean: _____	_____
UUPC Chair: _____	_____
Undergraduate Studies Dean: _____	_____
UFS President: _____	_____
Provost: _____	_____

Bachelor of Science with Major in Neuroscience and Behavior (Minimum of 120 credits required)

The Neuroscience and Behavior major provides undergraduate preparation for students interested in pursuing graduate degrees in psychobiology, neuroscience and/or behavioral biology, or in pursuing professional degrees in medicine or veterinary medicine. ~~The student elects a concentration in either Ethology/Comparative Psychology, Behavioral Neuroscience or Cellular Molecular Neuroscience.~~ Qualified students are strongly encouraged to become involved in neuroscience and behavior research projects (normally via a Directed Independent Study or special research course). An optional Honors Thesis, PSY 4970 in this degree program is available to those students who meet the academic requirements.

Prerequisite Coursework for Transfer Students

Students transferring to Florida Atlantic University must complete both lower division requirements (including the requirements of the Intellectual Foundations Program) and requirements for the college and major. Lower division requirements may be completed through the A.A. degree from any Florida public college, university or community college or through equivalent coursework at another regionally accredited institution. Before transferring and to ensure timely progress toward the baccalaureate degree, students must also complete the prerequisite courses for their major as outlined in the Transfer Student Manual (see www.fau.edu/registrar/tsm.php).

All courses not approved by the Florida Statewide Course Numbering System that will be used to satisfy requirements will be evaluated individually on the basis of content and will require a catalog course description and a copy of the syllabus for assessment.

In addition to the University and College requirements, students are expected to complete all of the following courses. A minimum of 24 of the upper-division credits in the B.S. Neuroscience and Behavior program must be taken at Florida Atlantic University.

Core Requirements

Biochemistry 1	BCH 3033	3
Biological Principles	BSC 1010	3
Biological Principles Lab	BSC 1010L	1
Biodiversity	BSC 1011	3
Biodiversity Lab	BSC 1011L	1
Comparative Animal Behavior	CBH 4024	3
General Chemistry 1	CHM 2045	3
General Chemistry 1 Lab	CHM 2045L	1
General Chemistry 2	CHM 2046	3
General Chemistry 2 Lab	CHM 2046L	1
Organic Chemistry 1	CHM 2210	3
Organic Chemistry 2	CHM 2211	3
Organic Chemistry 2 Lab	CHM 2211L	2
Math through Calculus	MAC 2233, 2281, 2282, 2311, 2312 or 2313	3

Genetics	PCB 3063	4
General Physics 1 and 2* or College Physics 1 and 2*	PHY 2048 and PHY 2049 or PHY 2053 and PHY 2054	8
Biological Bases of Behavior 1	PSB 3002	3
General Psychology	PSY 1012	3
Research Methods in Psychology	PSY 3213	3
Experimental Design and Statistical Inference	PSY 3234	3
Intermediate Statistics Lab	STA 3163L	1

* This degree program does not require that students take Physics lab courses. However, students considering medical school should take the lab sequences. The Physics Department may require labs as corequisites for lecture courses.

Elective Requirements

Students are expected to complete a minimum of 12 credits of elective courses. Students are free to choose their elective courses from those listed below. Special topics laboratory courses with the words "Research in [neuroscience-related topic]" or "Laboratory in [neuroscience-related topic]" can be substituted for one elective course, with permission of the program coordinator.

Behavioral Neuroscience

Auditory Perception	EXP 4120	3
Human Perception	EXP 4204	3
Comparative Animal Physiology	PCB 4723	3
Comparative Animal Physiology Lab	PCB 4723L	1
Computer Laboratory in Psychobiology	PSB 3002L	3
Laboratory in Psychobiology	PSB 4004L	3
Biological Bases of Behavior II	PSB 4006	3
Neuropsychology	PSB 4240	3
Human Psychophysiology	PSB 4323	3
Psychopharmacology	PSB 4444	3
Developmental Psychobiology	PSB 4504	3
Neurobiology of Learning and Memory	PSB 4810	3
Biopsychology of Language	PSB 4833	3
Developmental Neurobiology	PSB 6515	3

Cellular Molecular Neuroscience

Cellular Neuroscience and Disease	PCB 4842	3
Practical Cell Neuroscience	PCB 4843C	3
Human Morphology and Function 1	PCB 3703	3
Human Morphology and Function 1 Lab	PCB 3703L	1
Human Morphology and Function 2	PCB 3704	3
Human Morphology and Function 2 Lab	PCB 3704L	1
Molecular and Cell Biology	PCB 4023	3
Comparative Animal Physiology	PCB 4723	3
Comparative Animal Physiology Lab	PCB 4723L	1
Neurobiology of Learning and Memory	PSB 4810	3

Ethology/Comparative Psychology

Psychology of Motivation	EXP 4304	3
Marine Biology	OCB 4043	2
Marine Biology Field Studies and Lab	OCB 4043L	2
Principles of Ecology	PCB 4043	3
Evolution	PCB 4674	3
Comparative Animal Physiology	PCB 4723	3
Comparative Animal Physiology Lab	PCB 4723L	1
Computer Laboratory in Psychobiology	PSB 3002L	3
Laboratory in Psychobiology	PSB 4004L	3
Developmental Psychobiology	PSB 4504	3
Invertebrate Zoology	ZOO 2203	3
Invertebrate Zoology Lab	ZOO 2203L	2
Functional Biology of Marine Animals	ZOO 4402	3
Functional Biology of Marine Animals Lab	ZOO 4402L	1
Ornithology	ZOO 4472	2
Ornithology Lab	ZOO 4472L	2
Comparative Vertebrate Morphogenesis	ZOO 4690	3
Comparative Vertebrate Morphogenesis Lab	ZOO 4690L	2