

**APPENDIX F**  
**Requirements For BEHAVIORAL NEUROSCIENCE Track**

Student's Name \_\_\_\_\_

Date \_\_\_\_\_

**Summary of Requirements Completed: Behavioral Neuroscience**

(Please indicate when the requirement was completed, course number and grade received, as appropriate.)

**Foundation Courses** (all required; 3 courses, excluding

PSY 601: Professional Issues in Clinical Science \_\_\_\_\_

PSY 604: Cognition & Emotion \_\_\_\_\_

PSY 605: Cognitive Neuroscience \_\_\_\_\_

PSY 614: Diversity Issues in Psychology \_\_\_\_\_

PSY 601, must be taken prior to Quads/M.S. Thesis)

PSY 620: Developmental Psychology \_\_\_\_\_

PSY 625: Social Psychology \_\_\_\_\_

PSY 640: Adult Psychopathology \_\_\_\_\_

**Statistics Core** (required)

PSY 631: Psychological Statistics, Research Methods & Design \_\_\_\_\_

PSY 632: Multiple Regression & Statistics \_\_\_\_\_

PSY 633: Structural Equation Modeling \_\_\_\_\_

**Psychobiology**

PSY 606: Biobehavioral Processes & Disease in Health Psychology \_\_\_\_\_

PSY 603: Neuroanatomy \_\_\_\_\_

PSY 610: Behavioral Medicine: Overview of Basic Science, Public Health  
& Clinical Trial \_\_\_\_\_

PSY 616: Biobehavioral Processes & Clinical Applications in Health  
Psychology \_\_\_\_\_

NEU 661: Neuroscience I \_\_\_\_\_

NEU 662: Neuroscience II \_\_\_\_\_

NEU 663: Developmental Neurobiology \_\_\_\_\_

**Electives**

PSY 609: Psychopharmacology \_\_\_\_\_

PSY 612: Stress, Motivation & Emotion \_\_\_\_\_

PSY 615: Neuropsychology \_\_\_\_\_

**General Electives**

Medical School courses included \_\_\_\_\_

Masters Thesis -6 credits PSY 710 (indicate topic, committee members and date completed; no course credit required.)

\_\_\_\_\_

**Qualifying Paper** (indicate when passed) \_\_\_\_\_

**Dissertation** (indicate topic, committee members, date of proposal acceptance and of final oral)

\_\_\_\_\_

(Twelve credits PSY 730 are required, from 1 to 6 per semester, no more than 3 of which may be prior to proposal acceptance. Indicate semesters and credits of PSY 730 enrollment.)

**Research Advisors** (list)

First year (F) \_\_\_\_\_ (Sp) \_\_\_\_\_

Second year (F) \_\_\_\_\_ (Sp) \_\_\_\_\_

Third year (F) \_\_\_\_\_ (Sp) \_\_\_\_\_

Fourth year (F) \_\_\_\_\_ (Sp) \_\_\_\_\_

**Teaching Requirement**

Indicate course and semester taught \_\_\_\_\_

## Illustrative Course Schedule for Behavioral Neuroscience

### **FIRST YEAR**

#### Fall Semester

PSY 601: Professional Issues in Clinical Science	1 cr.
PSY 605: Cognitive Neuroscience	3 cr.
PSY 610: Behavioral Medicine; Overview of Basic Science, Public Health & Clinical Trial Approach	3 cr.
PSY 631: Psych Statistics, Research Methods & Design	<u>3 cr.</u>
	10 cr.

#### Spring Semester

PSY 606: Biobehavioral Processes & Disease in Health Psychology	3 cr.
PSY 632: Multiple Regression Statistics	3 cr.
NEU 661: Neuroscience I	<u>3 cr.</u>
	9 cr.

### **SECOND YEAR**

#### Fall Semester

PSY 633: Structural Equation Modeling	3 cr.
NEU 662: Neuroscience II	3 cr.
PSY 616: Biobehavioral Processes & Clinical Applications in Health Psychology	<u>3 cr.</u>
	9 cr.

#### Spring Semester

PSY 640: Adult Psychopathology	3 cr.
NEU 663: Developmental Neurobio	3 cr.
PSY 710: Masters Research	<u>3 cr.</u>
	9 cr.

### **THIRD YEAR**

#### Fall Semester

MCP 641: Memb. Phys. & Biophys.	3 cr.
PSY 710: Master's Thesis Research	3 cr.
NEU 697: Neuroanatomy	<u>3 cr.</u>
	9 cr.

#### Spring Semester

PSY 604: Cognition & Emotion	3 cr.
PSY 614: Diversity Issues in Psychology	3 cr.
PSY 615: Neuropsychology	<u>3 cr.</u>
	9 cr.

### **FOURTH YEAR**

#### Fall Semester

PSY 625: Social Psychology	3 cr.
PSY 730: Dissertation credits	3 cr.
PSY 730: Dissertation credits	<u>3 cr.</u>
	9 cr.

#### Spring Semester

PSY 620: Developmental Psychology	3 cr.
PSY 730: Dissertation credits	3 cr.
PSY 730: Dissertation credits	<u>3 cr.</u>
	9 cr.

### Behavioral Neuroscience: Evolution and Behavior Track

The Evolution and Behavior Emphasis is an interdisciplinary emphasis within the Psychology Department's PhD track in Behavioral Neuroscience. This emphasis is aimed at producing the next generation of evolution-minded researchers in the field of psychology. Faculty and graduate students working in this area are focused on discovering the evolved structure of the human mind. Current faculty research interests include altruism, kinship, religion, emotions, sexual attraction, morality conflict and its resolution, impulsiveness, effort, and fatigue. Coursework includes an analysis of the human psychological architecture on multiple levels: neuroscientific organization, computational processes, and evolved function. In addition to coursework in psychology and neuroscience, students are encouraged to incorporate biological coursework into their training

#### Summary of Requirements Completed: Behavioral Neuroscience: Evolution and Behavior Track

(Please indicate when the requirement was completed, course number and grade received, as appropriate.)

#### Foundation Courses (\*required; 3 courses, excluding PSY 601, must be taken prior to Quals/M.S. Thesis)

\*PSY 601: Professional Issues in Clinical Science \_\_\_\_\_ \*PSY 620: Developmental Psychology \_\_\_\_\_  
\*PSY 604: Cognition & Emotion \_\_\_\_\_ \*PSY 625: Social Psychology \_\_\_\_\_  
\*PSY 605: Cognitive Neuroscience \_\_\_\_\_ \*PSY 640: Adult Psychopathology \_\_\_\_\_  
\*PSY 614: Diversity Issues in Psychology \_\_\_\_\_

#### Statistics Core (required)

PSY 631: Psychological Statistics, Research Methods & Design \_\_\_\_\_  
PSY 632: Multiple Regression & Statistics \_\_\_\_\_  
PSY 633: Structural Equation Modeling \_\_\_\_\_

#### Biology (required)

BIL 520: Evolution \_\_\_\_\_  
BIL 530: Population Genetics \_\_\_\_\_  
BIL 540: Ethology & Behavioral Ecology \_\_\_\_\_  
BIL 640: Neuroethology \_\_\_\_\_

#### Psychobiology (\*required)

\*PSY 603: Neuroanatomy \_\_\_\_\_  
\*PSY 606: Behavioral Processes & Disease in Health Psychology \_\_\_\_\_  
\*PSY 610: Behavioral Medicine: Overview of Basic Science, Public Health & Clinical Trial Approaches \_\_\_\_\_  
PSY 693: Seminar in Evolution & Behavior \_\_\_\_\_  
\*NEU 661: Neuroscience II \_\_\_\_\_

#### Other required courses

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

#### Electives

PSY 609: Psychopharmacology \_\_\_\_\_  
PSY 612: Stress, Motivation & Emotion \_\_\_\_\_  
PSY 615: Neuropsychology \_\_\_\_\_

#### General Electives

Medical School courses included

Masters Thesis -6 credits PSY 710 (indicate topic, committee members and date completed; no course credit required.)

Qualifying Paper (indicate when passed) \_\_\_\_\_

Dissertation (indicate topic, committee members, date of proposal acceptance and of final oral) \_\_\_\_\_

(Twelve credits PSY 730 are required, from 1 to 6 per semester, no more than 3 of which may be prior to proposal acceptance. Indicate semesters and credits of PSY 730 enrollment.)

**Research Advisors** (list)

First year	(F) _____	(Sp) _____
Second year	(F) _____	(Sp) _____
Third year	(F) _____	(Sp) _____
Fourth year	(F) _____	(Sp) _____

**Teaching Requirement**

Indicate course and semester taught \_\_\_\_\_

**Illustrative Course Schedule for  
Behavioral Neuroscience: Evolution and Behavior Track**

**FIRST YEAR**

*Fall Semester*

PSY 601: Professional Issues in Clinical Science	1 cr.
PSY 610: Behavioral Medicine: Overview of Basic Science, Public Health & Clinical Trial Approach	3 cr.
PSY 631: Psych Statistics, Research Methods & Design	3 cr.
BIL 520: Evolution	<u>3 cr.</u>
	10 cr.

*Spring Semester*

PSY 606: Biobehavioral Processes & Disease in Health Psychology	3 cr.
PSY 620: Developmental Psychology	3 cr.
PSY 632: Multiple Regression	3 cr.
PSY 693: Seminar in Evolution & Behavior	<u>1 cr.</u>
	10 cr.

**SECOND YEAR**

*Fall Semester*

PSY 605: Cognitive Neuroscience	3 cr.
PSY 616: Biobehavioral Processes & Clinical Applications in Health Psychology	3 cr.
PSY 693: Seminar in Evolution & Behavior	1 cr.
NEU 661: Neuroscience II	<u>3 cr.</u>
	10 cr.

*Spring Semester*

PSY 693: Seminar in Evolution & Behavior	1 cr.
PSY 710: Masters Thesis	6 cr.
BIL 530: Population Genetics	<u>3 cr.</u>
	10 cr.

**THIRD YEAR**

*Fall Semester*

PSY 603: Neuroanatomy	3 cr.
PSY 625: Social Psychology	3 cr.
PSY 633: Structural Equation Modeling	3 cr.
PSY 693: Seminar in Evolution & Behavior	<u>1 cr.</u>
	10 cr.

*Spring Semester*

BIL 540: Ethology and Behavioral Ecology	3 cr.
BIL 640: Neuroethology	3 cr.
PSY 693: Seminar in Evolution & Behavior	1 cr.
PSY 730: PhD Dissertation	<u>3 cr.</u>
	10 cr.

**FOURTH YEAR**

*Fall Semester*

PSY 693: Seminar in Evolution & Behavior	1 cr.
PSY 640: Adult Psychopathology	3 cr.
PSY 730: PhD Dissertation	<u>3 cr.</u>
	7 cr.

*Spring Semester*

PSY 693: Seminar in Evolution & Behavior	1 cr.
PSY 730: PhD Dissertation	<u>3 cr.</u>
	4 cr.

**FIFTH YEAR**

*Fall Semester*

PSY 693: Seminar in Evolution & Behavior	1 cr.
PSY 730: PhD Dissertation	<u>3 cr.</u>
	4 cr.

*Spring Semester*

PSY 693: Seminar in Evolution & Behavior	1 cr.
PSY 750: PhD Dissertation	<u>1 cr.</u>
	2 cr.