

NEUROSCIENCE WORKSHEET & CONTRACT

Name _____ Class of _____ Major(s) _____

I. INTRODUCTORY COURSES

Term

Grade

Biopsychology (Psych 238)

Cell/Molecular Neuroscience (Neuro 239)

II. CORE ELECTIVE COURSES

200-Level Elective¹: _____

300-Level Elective: _____

Interdisciplinary Elective²: _____

III. SEMINAR

Seminar Title: _____

*This contract may be altered at any time by mutual consent of the student
and the director of the Neuroscience Program.*

Signature of student

Date

Signature of director

Date

¹ Your 200-level and 300-level electives CANNOT be taught out of the same department (e.g., PSY2xx & PSY3xx).

² Note that a short, 1-2 page reflective piece relating this course to your neuroscience studies must be submitted to the Program Director in order to receive for this course toward your concentration.

APPROVED COURSES:

200-Level Foundation Elective Courses (1 required)

Biology 227, Cell Biology

Biology 233, Intermediate Genetics

Biology 243, Human Anatomy and Physiology

Biology 247, Animal Physiology

Biology 248, Invertebrate Zoology

Psychology 225, Psychophysiology

Psychology 235, Sensation and Perception

Psychology 236, Conditioning and Learning

Psychology 237, Cognitive Psychology

Another appropriate Biology or Psychology course with permission of the Program Director

300-Level Advanced Science Elective Courses (1 required)

Biology 341, Advanced Cell Physiology

Biology 365, Molecular Biology

Biology 372, Developmental Biology

Biology 386, Animal Behavior

Biology 387, Neuroethology

Chemistry 373, Experimental Biochemistry*

Chemistry 379, Biochemistry*

*Note: Both Chemistry 373 and 379 must be taken in order for 379 to count toward the concentration

Physics 390, Topics in Physics

Psychology 385, Human Neuropsychology

Psychology 395, Advanced Research Methods in Behavioral Neuroscience

Directed Undergraduate Research (Biology 396, Psychology 396 or Neuroscience 396) on a neuroscience topic with permission of the Program Director

Independent Research (Biology 398, Psychology 398 or Neuroscience 398) on a neuroscience topic with permission of the Program Director

Another appropriate advanced science course with permission of the Program Director

Examples of Interdisciplinary Elective Courses (1 required)

Computer Science 231, Mathematical Foundations of Computing

Computer Science 233, Theory of Computation

Computer Science 253, Algorithms and Data Structures

Computer Science 315, Bioinformatics

Dance 201, Body Moveable*

Dance 212, Articulate Body*

Dance 301, Advanced Body Moveable*

*Note: Two of these 0.5 credit courses must be taken to fulfill this requirement.

Math 230, Introduction to Differential Equations

Math 236, Mathematics of Biology

Math 330, Differential Equations

Philosophy 231, Philosophy of Mind

Philosophy 250, Biomedical Ethics

Philosophy 251, Science, Ethics, and Religion

Exercise Science 374, Biomechanics

Exercise Science 375, Physiology of Exercise

Statistics 272, Statistical Modeling

Statistics 276, Design of Experiments

Statistics 322, Statistical Theory

Another appropriate interdisciplinary course with permission of the Program Director

Seminar (1 required)

Designated Seminar in Biology (e.g., Biology 385, The Neuron)

Designated Seminar in Psychology (e.g., Psych 336, Neuroscience of Addiction; Psych 337, Neurobiology of Learning and Memory; Psych 338, Neurobiology of Psychopathology; Psych 339, Cognitive Neuroscience)

Other designated seminars in Chemistry or Biology or Psychology or Physics