



## **Suggested Curriculum Program in Neuroscience PhD**

### **First Year**

#### **Fall** (9 credits)

NEU 521: Intro to Cellular Neuroscience

NEU 522: Intro to Molecular Neuroscience

BNB 555: Rotations

BNB 599: Research

BNB 697: Neuroscience Seminar

\*BNB 597: Neuroscience Seminar Series \*may be repeated

BNB 567: Statistics and data analysis for neuroscience I: Foundations

#### **Spring** (9 credits)

NEU 531: Sensory and Motor Systems

NEU 532: Neural Plasticity, Learning and Memory

BNB 555: Rotations

BNB 599: Research

BNB 697: Neuroscience Seminar

BNB 560: Laboratory in Neuroanatomy

BIO: 600/601: Teaching Practicum

GRD 500: Integrity in Science

\*Choose a laboratory by early May

### **Second Year**

#### **Fall** (9 credits)

BNB 551: Writing in Neuroscience

BNB 599: Research

BNB 597: Neuroscience Seminar

BIO: 600/601: Teaching Practicum

\*BNB 563: Self Study Topics (Fall/Spring) – GPD approval required prior to permission to enroll

\*\*Elective (2-4 credits)

***Spring*** (9 credits)

BNB 599: Research

BNB 697: Seminar

BNB 565: Advanced Topics in Neuroscience

\*BNB 566: Neurobiology of Disease

\*BNB 564: Advanced Topics (Fall/Spring) – GPD approval required prior to permission to enroll

\*\*Elective (2-4 credits)

\*NOTE: Must take 3 modules prior to end of 2<sup>nd</sup> year of study and advancement to candidacy (BNB 563, 564, 566, or 597).

\*\*Elective Requirement: Must take 2 scientifically relevant courses worth two to four credits each prior to advancement.

***Advancement to Candidacy***

Thesis Proposal Defense due Spring/Summer of second year of study along with all coursework and 2 semesters of TA work.

***Third Year and up***

***Fall/Spring*** (9 credits per semester)

BNB 699: Thesis Research

BNB 697: Seminar

***Section numbers – make sure you enroll in the correct sections:***

**BNB 599** Research for PhD students, has section 2 (off campus) and section 22 (on campus).

**BNB 699** has section 22 for on campus dissertation research (for those advanced to candidacy)

**BNB 700** is for dissertation research OFF CAMPUS, so this is the class number to enroll in if advanced to candidacy and doing dissertation research at Cold Spring Harbor.

**BNB 697** (Seminar Series): section 1 on campus (online for Fall 2020) and section 2 is off campus.