Rename Neurobiology and Behavior Concentration to Neurobiology Concentration

Department/College/Institution
Biology Department, College of Arts and Sciences, Georgia State University

Contact Name and e-mail
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Date of Submission
1/23/2019

Implementation Term
Fall 2019

Current and Proposed Title of Program
Current title: Neurobiology and Behavior Concentration; Proposed Title: Neurobiology Concentration

Current CIP code for program and proposed CIP code if different
No CIP code for concentration

Rationale for Change
The name change from Neurobiology and Behavior to Neurobiology is to better reflect the theme of this newly reorganized concentration. The name change will have no impact on other programs within the department, college or university. No additional costs are anticipated from this name change.

Program Details
Full catalog copy of the Neurobiology concentration is attached

Anticipated impact on other programs within the offering department, the college, or the university.
None

Additional resource requirements
None

Offices, departments, committees, and individuals consulted during the development of the proposal.
Deb Baro (Mentor), Chun Jiang (Mentor), Liana Artinian, Matthew Nusnbaum, Aaron Roseberry, C. Kay Song (Director), Biology Curriculum Committee, and other Faculty in the School of Biology were consulted

Approval path for program proposal, noting all formal department- or college-level votes.
Faculty in School of Biology voted to approve the concentration name change to Neurobiology (as well as integrated course changes) October 26th, 2018.
Neurobiology and Behavior Concentration

Recommended: Area F2

- **BIOL 2500** Neurobiology and Behavior (2)

Recommended: Area G3

- **BIOL 3850** Animal Biology Laboratory (1)

Required: Area G5

- **BIOL 4102** Neurobiology (4)
- Choose 128 hours of the following (3-5 credit hours each):
  - **BIOL 4014K** Invertebrate Biology (4)
  - **BIOL 4045K** General Ecology-CTW (4)
  - **BIOL 4070** Sensory Neuroscience (3)
  - **BIOL 4074** Developmental Biology (4)
  - **BIOL 4080** Clinical Neuroscience (4)
  - **BIOL 4094** Developmental Neurobiology (4)
  - **BIOL 4100** Cell and Molecular Neuroscience (4)
  - **BIOL 4115** Medical Neuroanatomy (4)
  - **BIOL 4130** Sensation and Perception (3)
  - **BIOL 4180** Neurobiology Laboratory (4)
  - **BIOL 4200** Neuroscience of Memory (3)
  - **BIOL 4240** Endocrinology (4)
  - **BIOL 4241** Hormones and Behavior (4)
  - **BIOL 4246** Advanced Human Physiology (4)
  - **BIOL 4248** Cell Physiology (4)
  - **BIOL 4630** Enzymology (3)
  - **BIOL 4800** Principles of Cell Biology (4)
  - **BIOL 4905** Theme-based Biology Laboratory (2-4), on a subject related to Neurobiology and Behavior
  - **BIOL 4910** Undergraduate Research in Biology (1-5), on a subject related to Neurobiology and Behavior
  - **BIOL 4930** Topics in Biology (3-4), on a subject related to Neurobiology

Recommended/Preferred Options for Area I:
- **BIOL 4744** Biostatistics (3)
- **PHIL 4130** Philosophy of Science (3)
- **PHIL 4740** Advanced Biomedical Ethics (3)
- **PHYS 3500** Electronics (3)
- **PSYC 3140** Abnormal Psychology (3)
- **PSYC 3510** Introduction to Research Design and Analysis (4)
- **PSYC 3530** Advanced Research Design and Analysis-CTW (4)
- **PSYC 4100** Cognitive Psychology (3)
- **PSYC 4110** Physiological Psychology (3)
- **PSYC 4120** Learning (3)
- **PSYC 4130** Sensation and Perception (3)
- **PSYC 4140** Introduction to Psychophysiology (4)
- **PSYC 4630** Hormones and Behavior (4)
Rename Preprofessional/Pre-Physiology Concentration to Pre-Medical/Pre-Health Concentration

Department/College/Institution
Biology Department, College of Arts and Sciences, Georgia State University

Contact Name and e-mail
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Date of Submission
1/23/2019

Implementation Term
Fall 2019

Current and Proposed Title of Program
Current title: Preprofessional/Pre-Physiology Concentration; Proposed Title: Pre-Medical/Pre-Health Concentration

Current CIP code for program and proposed CIP code if different
No CIP code for concentration

Rationale for Change
The current name of Preprofessional/ Pre-Physiology concentration is vague and adds little value to the premedical students' transcripts. Changing the biology concentration name to Pre-Medical/Pre-Health could possibly attract more students to the major. A large percentage of biology majors intend on pursuing careers in health science. Biology provides fundamental courses required by medical schools in addition to the wide array of health science courses at the 3000 and 4000 levels. Renaming the concentration toward career-specific objectives will streamline premed advisement at all levels and make it easier for the students to select courses that best prepare them for future medical and nursing programs.

Program Details
Full catalog copy of the Pre-Medical/Pre-Health Concentration is attached with track changes from previous catalog copy.

Anticipated impact on other programs within the offering department, the college, or the university.
None

Additional resource requirements
None

Offices, departments, committees, and individuals consulted during the development of the proposal.
The Biology Curriculum Committee and Faculty in the School of Biology were consulted.

Approval path for program proposal, noting all formal department- or college-level votes.
Faculty in School of Biology voted to approve the concentration name change to Pre-Medical/Pre-Health Concentration (as well as integrated course changes) October 26th, 2018.
Preprofessional/Physiology Pre-Medical/Pre-Health Concentration

Recommended: Area F2

- Choose one of the following
  - BIOL 2300 Microbiology and Public Health (3)
  - BIOL 2110 Anatomy and Physiology I (4)

Required: Area G5

- The following courses are required (48 or 37 if Biol 3250 is used in G3)
  - BIOL 3240 Human Physiology Applied Medical Physiology (3)
  - BIOL 3250 Human Physiology Laboratory (1)
    - BIOL 4240 Endocrinology (4)
- Choose four of the following (15-16) (11-13)
  - BIOL 3021 Infectious Disease & Society (3)
  - BIOL 4074 Developmental Biology (4)
    - BIOL 4094 Developmental Neurobiology (4)
  - BIOL 4102 Neurobiology (4)
  - BIOL 4115 Medical Neuroanatomy (4)
  - BIOL 4240 Endocrinology (4)
  - BIOL 4241 Hormones and Behavior (4)
  - BIOL 4246 Advanced Human Physiology (4)
  - BIOL 4248 Cell Physiology (4)
  - BIOL 4278 Immunology (4)
  - BIOL 4282 Tumor Immunology (4)
  - BIOL 4284 Medical Biochemistry (4)
  - BIOL 4428 Medical Microbiology (4)
  - BIOL 4460 Parasitology (4)
    - BIOL 4500 Human Genetics (4)
  - BIOL 4575 Virology (4)
  - BIOL 4580 Microbial Pathogenesis (4)
    - BIOL 4685 Functional Histology - CTW (4)
  - BIOL 4686 Pathophysiology (4)
  - BIOL 4687 Surgical Anatomy (4)
  - BIOL 4730/PHIL 3740 Biomedical Ethics (3)
  - BIOL 4744 Biostatistics (3)
- BIOL 4800 Principles of Cell Biology (4)
- BIOL 4905 Theme Based Biology Laboratory (2-4), on a subject related to medical/health fields
- BIOL 4910 Undergraduate Research in Biology (1-5), on a subject related to medical/health fields
- BIOL 4916 Internships in Biology (2-4), with a focus in medical/health topics, approval of director required
- BIOL 4980 Senior Seminar (3)
- BIOL 4930 Topics in Biology (3-4), on a subject related to medical/health fields