Graduate Council Report
December 3, 2009

Special Consideration Items:
Graduate Council approved the Neuroscience Interdisciplinary Program Request – NRSC Prefix.
Members of the Faculty of Neuroscience have been teaching, and developing, coursework in the area of Neuroscience for close to twenty years. The interdisciplinary program involves over 70 faculty members, and 70 graduate students, distributed across 9 colleges, 20 departments, and two system components (TAMU and TAMHSC). Recognizing national trends (the Society for Neuroscience has over 38,500 members) and student interests, a Ph.D. proposal in Neuroscience was reviewed, and approved by the Coordinating Board, this last year (April, 2009).

The interdisciplinary program in Neuroscience (NRSC) seeks to integrate, and coordinate, graduate coursework in the area. To do so, we seek to identify existing courses in Neuroscience with a NRSC prefix. Because these courses will still be taught within individual departments, and because some students will need to take the courses with their existing (departmental) prefix, the courses must be accessible using either their current prefix or a NRSC (cross-listed). Independent of which prefix is used by students enrolling in the course, course credit will be returned to the instructor of record.

All of the courses in question already exist and involve a topic in the area of Neuroscience. In no case will the addition of a NRSC prefix alter the content or structure of an existing course. All of the courses listed (see attachment) were identified, and approved, as Neuroscience relevant coursework in our Ph.D. proposal. Due to an administrative oversight, we did not request the addition of a NRSC prefix within the proposal. To correct this oversight, we request an editorial change in the curriculum coursework, allowing each of the identified courses to be cross-listed with a NRSC prefix.
The requested change is non-substantive, and will not alter the proposed curriculum in Neuroscience, the assignment of teaching credit, or the content/structure of the cross-listed courses. The cross-listing will simplify program administration and facilitate the identification of courses available to graduate students pursuing work in the area of Neuroscience.
## TAMU Course Changes:

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ATTACHMENTS

To facilitate processing, we have attached 5 items. The first provides a verification from the Provost’s Office that a NRSC prefix can be added to the existing courses (identified within the Ph.D. proposal for an interdisciplinary degree in Neuroscience) using a memorandum. The second provides the course descriptions from the current Graduate Catalog and the requested cross-listing.

Though we only recently gained a Ph.D. in NRSC, the interdisciplinary faculty has been training graduate students in the area of Neuroscience for nearly 20 years, providing the core of courses listed within the Ph.D. proposal and Attachment 2. Allowing students to enroll in these courses using a NRSC prefix will not, in any way, alter the structure or content of the courses, which will continue to be taught through the participating department (because no faculty positions are ad loc’ed to the Neuroscience program). Beyond identifying courses of interest to current graduate students, the NRSC prefix will lay the groundwork for students pursuing a Ph.D. in NRSC at both TAMU and the TAMHSC. Adding a NRSC prefix will also simplify the administration of the cross-system degree plan, approved through a Memorandum of Understanding between TAMU and the TAMHSC.

Attachment 3 provides a list of the cross-listed courses as they will appear in the Graduate Catalog with a NRSC prefix. All course titles, descriptions, prerequisites, and credit hours are identical to those of the cross-listed course. Attachments 4 and 5 provide the information required to modify the Graduate Catalog.

Attachments:

1. Confirmation from Provost’s Office
2. Courses from the Current Graduate Catalog (2008/2009)
3. Courses Listed by NRSC Prefix
4. Cross-Listing Request Information
5. New Course Request Information
November 11, 2009

MEMORANDUM

TO: Dr. Jim Grau

SUBJECT: Cross-Listing Courses

I visited with Martyn Gunn about the cross-listing of your courses. Because all of the neuroscience courses were already approved as part of the degree program approved by the Faculty Senate and because the course data is already on file for the cross-listed courses, staff determined that they didn’t have to have the course sheets to cross-list the courses. Martyn Gunn thought it was acceptable for the courses to be approved based on a memo as long as the courses were still being routed through the appropriate departments and colleges that would be affected by the cross-listings.

Paul R. Meyer
Assistant Provost for Academic Affairs

cc: Dr. J. Martyn Gunn
Attachment 2
Courses from the Current Graduate Catalog (2008/2009)

Biology
(BIOL)

601. Biological Clocks. (3-0). Credit 3. Introduction to the formal properties of biological rhythms; cellular and molecular bases for rhythmicity; temporal adaptations of organisms using clocks. Prerequisite: Graduate classification or approval of instructor.
Cross-listed with NRSC 635.

611. Molecular Biology of Differentiation and Development. (3-0). Credit 3. Major paradigms of eukaryotic gene regulation in terms of the role of gene expression during ontogeny and the effect of dysfunction in these processes on the neoplastic state.
Cross-listed with NRSC 611.

615. Signaling in Behavior and Development. (3-0). Credit 3. Will focus on signaling pathways used in multicellular animals. In each lecture, major signaling pathways used in behavior, physiology, and development will be introduced at the molecular level, and then be discussed in the context of organismal biology. Prerequisite: Graduate classification.
Cross-listed with NRSC 615.

627. Principles of Neuroscience I. (3-0). Credit 3. This course presents a detailed introduction to the basic fundamentals of cellular and molecular neuroscience. Topics will include membrane potentials, action potential generation, and the mechanisms underlying synaptic transmission, as well as their molecular basis. Prerequisites: Graduate standing or permission of instructor.
Cross-listed with NRSC 601.

628. Principles of Neuroscience II. (3-0). Credit 3. This course presents a fully integrated overview of nervous system organization and systems-level neurobiology. Broad topics to be covered include sensory systems and sensory systems function, motor systems and neuromuscular function, central pattern generation and locomotion, homeostatic regulation, motivation, emotions, learning and memory, and circadian rhythms. Prerequisites: Graduate standing or permission of instructor.
Cross-listed with NRSC 602.

634. Comparative Neurobiology. (3-0). Credit 3. Cellular, molecular and systems neurobiology, together with neuroethology. A comparative approach to subject matter is stressed. Topics such as evolution of nervous systems and their diverse structure and complex functions are dealt with.
Cross-listed with NRSC 634.
644. **Neural Development. (3-0). Credit 3.** Classical and current research literature to explore the major events in the development of a nervous system, including topics ranging from neurogenesis to synapse information. Prerequisite: Graduate classification.

Cross-listed with NRSC 644.

**Psychology (PSYC)**

606. **Learning. (3-0). Credit 3.** Procedural and theoretical issues in study of basic learning mechanisms in animals and humans, including Pavlovian and instrumental conditioning. Application of this work to other domains and relevant biological mechanisms also discussed. Prerequisite: PSYC 340 or approval of instructor.

Cross-listed with NRSC 606.

609. **Physiological Psychology. (2-3). Credit 3.** Current research and methodological procedures on physiological bases of sensation-perception, memory and learning, arousal-sleep-attention, emotions and motivation. Prerequisite: PSYC 335.

Cross-listed with NRSC 609.

615. **Perceptual Processes. (3-0). Credit 3.** Complex sensory and perceptual phenomena with emphasis on the relationship between perception and motivation, cognition, creativity and instinctive/ethological; learning/experiential factors in higher level perceptual processes.

Cross-listed with NRSC 615.

641. **Principles of Neuropsychology. (3-0). Credit 3.** Review of major areas of cognitive functioning including concentration, memory, language, visuospatial/construction skills and executive functions; review of neurobehavioral syndromes including dementia, epilepsy, head injury, stroke, drug toxicity, etc.; assessment of deficits associated with disorders. Prerequisite: PSYC 624 or 627 or equivalent as approved by instructor.

Cross-listed with NRSC 641.

649. **Seminar in Behavioral Neuroscience. (3-0). Credit 3.** Behavioral neuroscience; including behavioral pharmacology, neuropharmacology, methods and techniques, drug reinforcement, behavioral toxicology, pain perception and ingestive behavior. May be repeated up to three times for credit. Prerequisites: PSYC 606 or equivalent; PSYC 609; graduate classification.

Cross-listed with NRSC 649.

671. **Experimental Design for Behavioral Scientists. (2-3). Credit 3.** Intensive practical study of designs of special interest to behavioral scientists; repeated measures designs. Prerequisite: STAT 652 or equivalent.

Cross-listed with NRSC 671.
Veterinary Integrative Biosciences (VIBS)

603. **Neuroanatomy.** (2-6). Credit 4. Gross, developmental and microscopic anatomy of nervous system of selected laboratory and domestic animals. Prerequisite: Approval of instructor.

Cross-listed with NRSC 603.


Cross-listed with NRSC 604.

606. **Neuroanatomical Systems.** (3-0). Credit 3. Course emphasis is on major neural systems that govern identifiable physiological functions, behavior and neurodegenerative disease. Whole-brain anatomy is approached from a “systems” perspective, wherein components of defined functional systems are described in terms of their location, inputs and outputs, and physiological/behavioral significance in health and disease. Prerequisite: Approval of instructor.

Cross-listed with NRSC 605.

640. **Neurobiology.** Credit 1 to 5. Biology of the mammalian central nervous system with emphasis on cellular and molecular interactions; contemporary research topics in areas such as neuron-glia interactions, neuroimmunology, neuroendocrinology, developmental neurobiology and neurogenetics; extensive readings from primary literature. Prerequisites: Undergraduate or graduate cell biology, genetics and biochemistry or approval of instructor.

Cross-listed with NRSC 640.
Attachment 3
Courses Listed by NRSC Prefix

Neuroscience
(NRSC)

601. Principles of Neuroscience I. (3-0). Credit 3. This course presents a detailed introduction to the basic fundamentals of cellular and molecular neuroscience. Topics will include membrane potentials, action potential generation, and the mechanisms underlying synaptic transmission, as well as their molecular basis. Prerequisites: Graduate standing or permission of instructor.

Cross-listed with BIOL 627.

602. Principles of Neuroscience II. (3-0). Credit 3. This course presents a fully integrated overview of nervous system organization and systems-level neurobiology. Broad topics to be covered include sensory systems and sensory systems function, motor systems and neuromuscular function, central pattern generation and locomotion, homeostatic regulation, motivation, emotions, learning and memory, and circadian rhythms. Prerequisites: Graduate standing or permission of instructor.

Cross-listed with BIOL 628.

603. Neuroanatomy. (2-6). Credit 4. Gross, developmental and microscopic anatomy of nervous system of selected laboratory and domestic animals. Prerequisite: Approval of instructor.

Cross-listed with VIBS 603.


Cross-listed with VIBS 604.

605. Neuroanatomical Systems. (3-0). Credit 3. Course emphasis is on major neural systems that govern identifiable physiological functions, behavior and neurodegenerative disease. Whole-brain anatomy is approached from a "systems" perspective, wherein components of defined functional systems are described in terms of their location, inputs and outputs, and physiological/behavioral significance in health and disease. Prerequisite: Approval of instructor.

Cross-listed with VIBS 606.

606. Learning. (3-0). Credit 3. Procedural and theoretical issues in study of basic learning mechanisms in animals and humans, including Pavlovian and instrumental conditioning. Application of this work to other domains and relevant biological mechanisms also discussed. Prerequisite: PSYC 340 or approval of instructor.

Cross-listed with PSYC 606.
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Cross-listed with BIOL 634.

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Cross-listed with BIOL 601.

636. Signaling in Behavior and Development. (3-0). Credit 3. Will focus on signaling pathways used in multicellular animals. In each lecture, major signaling pathways used in behavior, physiology, and development will be introduced at the molecular level, and then be discussed in the context of organismal biology. Prerequisite: Graduate classification.
Cross-listed with BIOL 615.

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Cross-listed with PSYC 641.
644. **Neural Development. (3-0). Credit 3.** Classical and current research literature to explore the major events in the development of a nervous system, including topics ranging from neurogenesis to synapse information. Prerequisite: Graduate classification.

Cross-listed with BIOL 644.

649. **Seminar in Behavioral Neuroscience. (3-0). Credit 3.** Behavioral neuroscience; including behavioral pharmacology, neuropharmacology, methods and techniques, drug reinforcement, behavioral toxicology, pain perception and ingestive behavior. May be repeated up to three times for credit. Prerequisites: PSYC 606 or equivalent; PSYC 609; graduate classification.

Cross-listed with PSYC 649.

671. **Experimental Design for Behavioral Scientists. (2-3). Credit 3.** Intensive practical study of designs of special interest to behavioral scientists; repeated measures designs. Prerequisite: STAT 652 or equivalent.

Cross-listed with PSYC 671.
### Attachment 4

#### Cross-Listing Request Information

**Department:** Biology (BIOL)

**Prefix, number and title:** BIOL 601, Biological Clocks

**Cross-list with:** NRSC 635

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**Cross-list with:** NRSC 611

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Prefix, number and title: PSYC 671, Experimental Design for Behavioral Scientists
Cross-list with: NRSC 671

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Department: Veterinary Integrative Biosciences (VIBS)

Prefix, number and title: VIBS 603, Neuroanatomy
Cross-list with: NRSC 603

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Prefix, number and title: VIBS 604, Biomedical Neurcendocrinology and Endocrine Disorders
Cross-list with: NRSC 604

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Prefix, number and title: VIBS 606, Neuroanatomical Systems
Cross-list with: NRSC 605

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Prefix, number and title: VIBS 640, Neurobiology
Cross-list with: NRSC 640

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Attachment 5
New Course Request Information

**Department:** Neuroscience

These courses will be electives for students enrolled in the following degree programs:
- M.S. or Ph.D. in Neuroscience, Psychology, Biology, Veterinary Integrative Biosciences, and other programs affiliated with the Interdisciplinary Program in Neuroscience

**Prefix, number and title:** **NRSC 601, Principles of Neuroscience I**
**Course description:** This course presents a detailed introduction to the basic fundamentals of cellular and molecular neuroscience. Topics will include membrane potentials, action potential generation, and the mechanisms underlying synaptic transmission, as well as their molecular basis.

**Prerequisites:** Graduate standing or permission of instructor.
**Cross-list with:** BIOL 627
**Is this a variable credit course:** No
**Is this a repeatable course:** No

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**Prefix, number and title:** **NRSC 602, Principles of Neuroscience II**
**Course description:** This course presents a fully integrated overview of nervous system organization and systems-level neurobiology. Broad topics to be covered include sensory systems and sensory systems function, motor systems and neuromuscular function, central pattern generation and locomotion, homeostatic regulation, motivation, emotions, learning and memory, and circadian rhythms.

**Prerequisites:** Graduate standing or permission of instructor.
**Cross-list with:** BIOL 628
**Is this a variable credit course:** No
**Is this a repeatable course:** No

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Level 6
Prefix, number and title: **NRSC 603, Neuroanatomy**
Course description: Gross, developmental and microscopic anatomy of nervous system of selected laboratory and domestic animals.
Prerequisites: Approval of instructor.
Cross-list with: VIBS 603
Is this a variable credit course: No
Is this a repeatable course: No

Prefix, number and title: **NRSC 604, Biomedical Neuroendocrinology and Endocrine Disorders**
Prerequisites: Approval of instructor.
Cross-list with: VIBS 604
Is this a variable credit course: No
Is this a repeatable course: No

Prefix, number and title: **NRSC 605, Neuroanatomical Systems**
Course description: Course emphasis is on major neural systems that govern identifiable physiological functions, behavior and neurodegenerative disease. Whole-brain anatomy is approached from a “systems” perspective, wherein components of defined functional systems are described in terms of their location, inputs and outputs, and physiological /behavioral significance in health and disease.
Prerequisites: Approval of instructor.
Cross-list with: VIBS 606
Is this a variable credit course: No
Is this a repeatable course: No
Prefix, number and title: **NRSC 606, Learning**

Course description: Procedural and theoretical issues in study of basic learning mechanisms in animals and humans, including Pavlovian and instrumental conditioning. Application of this work to other domains and relevant biological mechanisms also discussed.

Prerequisites: PSYC 340 or approval of instructor.

Cross-list with: PSYC 606

Is this a variable credit course: No

Is this a repeatable course: No

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Prefix, number and title: **NRSC 609, Physiological Psychology**

Course description: Current research and methodological procedures on physiological bases of sensation-perception, memory and learning, arousal-sleep-attention, emotions and motivation.

Prerequisites: PSYC 335

Cross-list with: PSYC 609

Is this a variable credit course: No

Is this a repeatable course: No

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Prefix, number and title: **NRSC 611, Molecular Biology of Differentiation and Development**

Course description: Major paradigms of eukaryotic gene regulation in terms of the role of gene expression during ontogeny and the effect of dysfunction in these processes on the neoplastic state.

Prerequisites: None

Cross-list with: BIOL 611

Is this a variable credit course: No

Is this a repeatable course: No

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Prefix, number and title: **NRSC 615, Perceptual Processes**

Course description: Complex sensory and perceptual phenomena with emphasis on the relationship between perception and motivation, cognition, creativity and instinctive/ethological; learning/experiential factors in higher level perceptual processes.

Prerequisites: None
Cross-list with: PSYC 615
Is this a variable credit course: No
Is this a repeatable course: No

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Prefix, number and title: **NRSC 634, Comparative Neurobiology**

Course description: Cellular, molecular and systems neurobiology, together with neuroethology. A comparative approach to subject matter is stressed. Topics such as evolution of nervous systems and their diverse structure and complex functions are dealt with.

Prerequisites: None
Cross-list with: BIOL 634
Is this a variable credit course: No
Is this a repeatable course: No

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Prefix, number and title: **NRSC 635, Biological Clocks**

Course description: Introduction to the formal properties of biological rhythms; cellular and molecular bases for rhythmicity; temporal adaptations of organisms using clocks.

Prerequisites: Graduate classification or approval of instructor.
Cross-list with: BIOL 601
Is this a variable credit course: No
Is this a repeatable course: No

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Prefix, number and title: NRSC 636, Signaling in Behavior and Development
Course description: Will focus on signaling pathways used in multicellular animals. In each lecture, major signaling pathways used in behavior, physiology, and development will be introduced at the molecular level, and then be discussed in the context of organismal biology.
Prerequisites: Graduate classification.
Cross-list with: BIOL 615
Is this a variable credit course: No
Is this a repeatable course: No

Prefix, number and title: NRSC 640, Neurobiology
Course description: Biology of the mammalian central nervous system with emphasis on cellular and molecular interactions; contemporary research topics in areas such as neuron-glial interactions, neuromuscular, neuroendocrinology, developmental neurobiology and neurogenetics; extensive readings from primary literature.
Prerequisites: Undergraduate or graduate cell biology, genetics and biochemistry or approval of instructor.
Cross-list with: VIBS 640
Is this a variable credit course: Yes (1 to 5)
Is this a repeatable course: No

Prefix, number and title: NRSC 641, Principles of Neuropsychology
Course description: Review of major areas of cognitive functioning including concentration, memory, language, visuospatial/construction skills and executive functions; review of neuropsychological syndromes including dementia, epilepsy, head injury, stroke, drug toxicity, etc.; assessment of deficits associated with disorders.
Prerequisites: PSYC 624 or 627 or equivalent as approved by instructor.
Cross-list with: PSYC 641
Is this a variable credit course: No
Is this a repeatable course: No
Prefix, number and title: NRSC 644, Neural Development
Course description: Classical and current research literature to explore the major events in the
development of a nervous system, including topics ranging from neurogenesis to
synapse information.
Prerequisites: Graduate classification.
Cross-list with: BIOL 644
Is this a variable credit course: No
Is this a repeatable course: No

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Prefix, number and title: NRSC 649, Seminar in Behavioral Neuroscience
Course description: Behavioral neuroscience; including behavioral pharmacology,
neuropsychology, methods and techniques, drug reinforcement, behavioral
toxicology, pain perception and ingestive behavior. May be repeated up to three
times for credit.
Prerequisites: PSYC 606 or equivalent; PSYC 609; graduate classification.
Cross-list with: PSYC 649
Is this a variable credit course: No
Is this a repeatable course: Yes

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Prefix, number and title: NRSC 671, Experimental Design for Behavioral Scientists
Course description: Intensive practical study of designs of special interest to behavioral scientists;
repeated measures designs.
Prerequisites: STAT 652 or equivalent.
Cross-list with: PSYC 671
Is this a variable credit course: No
Is this a repeatable course: No

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Texas A&M University
Departmental Request for a New Course
Undergraduate • Graduate • Professional
• Submit original form and attach a course syllabus.

1. This request is submitted by the Department of Neuroscience Program

2. Course prefix, number and complete title of course: NRSC 601, Principles of Neuroscience I

3. Catalog course description (not to exceed 50 words): This course presents a detailed introduction to the basic fundamentals of cellular and molecular neuroscience. Topics will include membrane potentials, action potential generation, and the mechanisms underlying synaptic transmission, as well as their molecular basis.

4. Prerequisite(s): Graduate standing or permission of instructor.

Cross-listed with: BIOL 627

Cross-listed courses require the signature of both department heads.

5. Is this a variable credit course? ☐ Yes ☒ No If yes, from ______ to ______

6. Is this a repeatable course? ☐ Yes ☒ No If yes, this course may be taken ______ times.

Will this course be repeated within the same semester? ☐ Yes ☒ No

7. This course will be:
   a. required for students enrolled in the following degree program(s) (e.g., B.A. in history)

   b. an elective for students enrolled in the following degree program(s) (e.g., M.S., Ph.D. in geography)

   M.S. or Ph.D. in Neuroscience, Psychology, Biology, Veterinary Integrative Biosciences, and other programs affiliated with the Interdisciplinary Program in Neuroscience

8. If other departments are teaching or are responsible for related subject matter, the course must be coordinated with these departments. Attach approval letters.

9. Prefix Course # Title (excluding punctuation)

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Approval recommended by: Level 6

Department Head - Type Name & Sign Date

Chair, College Review Committee Date

Department Head - Type Name & Sign
(if cross-listed course) Date

Dean of College Date

Submitted to Coordinating Board by:

Associate Director, Curricular Services

Date Effective Date

Questions regarding this form should be directed to Sandra Williams at 845-6201 or sandra-williams@tamu.edu.
Curricular Services - 3/09
Texas A&M University
Departmental Request for a New Course
Undergraduate • Graduate • Professional
• Submit original form and attach a course syllabus.

1. This request is submitted by the Department of Neuroscience Program

2. Course prefix, number and complete title of course: NRSC 602, Principles of Neuroscience II

3. Catalog course description (not to exceed 50 words): This course presents a fully integrated overview of nervous system organization and systems-level neurobiology. Broad topics to be covered include sensory systems and sensory systems function, motor systems and neuromuscular function, central pattern generation and locomotion, homeostatic regulation, motivation, emotions, learning and memory, and circadian rhythms.

4. Prerequisite(s): Graduate standing or permission of instructor.

Cross-listed with: BIOL 628

Cross-listed courses require the signature of both department heads.

5. Is this a variable credit course? Yes ☐ No ☑ If yes, from ______ to ______

6. Is this a repeatable course? Yes ☐ No ☑ If yes, this course may be taken ______ times.

Will this course be repeated within the same semester? Yes ☐ No ☑

7. This course will be:
   a. required for students enrolled in the following degree program(s) (e.g., B.A. in history)

   b. an elective for students enrolled in the following degree program(s) (e.g., M.S., Ph.D. in geography)

M.S. or Ph.D. in Neuroscience, Psychology, Biology, Veterinary Integrative Biosciences, and other programs affiliated with the Interdisciplinary Program in Neuroscience

8. If other departments are teaching or are responsible for related subject matter, the course must be coordinated with these departments.
Attach approval letters.

9. Prefix Course # Title (excluding punctuation)
   NRSC 602 PRINC NEURO II

   Lecture Lab SCh CIP and Fund Code Admin. Unit Acad. Year FICE Code
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   Approval recommended by:

   Department Head - Type Name & Sign Date

   Chair, College Review Committee Date

   Department Head - Type Name & Sign (if cross-listed course) Date

   Dean of College Date

   Submitted to Coordinating Board by:

   Associate Director, Curricular Services Date

   Effective Date

Questions regarding this form should be directed to Sandra Williams at 845-8201 or sandra-williams@tamu.edu.
Curricular Services – 3/09

23 of 38 L
Texas A&M University

Departmental Request for a New Course
Undergraduate - Graduate - Professional
- Submit original form and attach a course syllabus.

1. This request is submitted by the Department of Neuroscience Program

2. Course prefix, number and complete title of course: NRSC 603, Neuroanatomy

3. Catalog course description (not to exceed 50 words): Gross, developmental and microscopic anatomy of nervous system of selected laboratory and domestic animals.

4. Prerequisite(s):
   Approval of instructor.

   Cross-listed with: VIBS 603

   Cross-listed courses require the signature of both department heads.

5. Is this a variable credit course? □ Yes ☒ No
   If yes, from _____ to _____

6. Is this a repeatable course? □ Yes ☒ No
   If yes, this course may be taken _____ times.
   Will this course be repeated within the same semester? □ Yes ☒ No

7. This course will be:
   a. required for students enrolled in the following degree programs(s) (e.g., B.A. in history)

   b. an elective for students enrolled in the following degree program(s) (e.g., M.S., Ph.D. in geography)
      M.S. or Ph.D. in Neuroscience, Psychology, Biology, Veterinary Integrative Biosciences, and other programs affiliated with the Interdisciplinary Program in Neuroscience

8. If other departments are teaching or are responsible for related subject matter, the course must be coordinated with these departments. Attach approval letters.

9. Prefix Course # Title (excluding punctuation)
   NRSC 603 Neuroanatomy

   Lec. Lab SCH CIP and Fund Code Admin. Unit Acad. Year FICE Code
   0 2 0 6 0 4 5 1 2 5 0 2 0 0 0 2 1 6 5 5 1 0 0 3 6 3 2

   Approval recommended by: Level 6

   Department Head - Type Name & Sign Date

   Chair, College Review Committee Date

   Department Head - Type Name & Sign (if cross-listed course) Date

   Dean of College Date

   Submitted to Coordinating Board by:

   Associate Director, Curricular Services

   Date Effective Date

Questions regarding this form should be directed to Sandra Williams at 845-6201 or sandra-williams@tamu.edu.
Curricular Services – 3/09
Texas A&M University
Departmental Request for a New Course
Undergraduate • Graduate • Professional
• Submit original form and attach a course syllabus.

1. This request is submitted by the Department of Neuroscience Program

2. Course prefix, number and complete title of course: NRSC 604, Biomedical Neuroendocrinology and Endocrine Disorders


4. Prerequisite(s):
   Approval of instructor.

   Cross-listed with: VIBS 604

5. Is this a variable credit course? □ Yes ☒ No If yes, from _____ to _____

6. Is this a repeatable course? □ Yes ☒ No If yes, this course may be taken _____ times.

   Will this course be repeated within the same semester? □ Yes ☒ No

7. This course will be:
   a. required for students enrolled in the following degree program(s) (e.g., B.A. in history)

   b. an elective for students enrolled in the following degree program(s) (e.g., M.S., Ph.D. in geography)
      M.S. or Ph.D. in Neuroscience, Psychology, Biology, Veterinary Integrative Biosciences, and other programs affiliated with the Interdisciplinary Program in Neuroscience

8. If other departments are teaching or are responsible for related subject matter, the course must be coordinated with these departments. Attach approval letters.

9. | Prefix | Course # | Title (excluding punctuation) |
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   Approval recommended by:

   Date

   Department Head - Type Name & Sign

   Date

   Chair, College Review Committee

   Date

   Department Head - Type Name & Sign
   (if cross-listed course)

   Date

   Dean of College

   Date

   Submitted to Coordinating Board by:

   Date

   Effective Date

   Associate Director, Curricular Services

Questions regarding this form should be directed to Sandra Williams at 845-8201 or sandra-williams@tamu.edu.
Curricular Services – 3/09
Texas A&M University  
Departmental Request for a New Course  
Undergraduate • Graduate • Professional  
• Submit original form and attach a course syllabus. •

1. This request is submitted by the Department of Neuroscience Program

2. Course prefix, number and complete title of course: NRSC 605, Neuroanatomical Systems

3. Catalog course description (not to exceed 50 words): Course emphasis is on major neural systems that govern identifiable physiological functions, behavior and neurodegenerative disease. Whole-brain anatomy is approached from a "systems" perspective, wherein components of defined functional systems are described in terms of their location, inputs and outputs, and physiological/behavioral significance in health and disease.

4. Prerequisite(s): Approval of instructor.
   Cross-listed with: VIBS 606

5. Is this a variable credit course? ☐ Yes ☒ No  If yes, from _______ to _______

6. Is this a repeatable course? ☐ Yes ☒ No  If yes, this course may be taken _______ times.
   Will this course be repeated within the same semester? ☐ Yes ☒ No

7. This course will:
   a. required for students enrolled in the following degree programs(s) (e.g., B.A. in history)
   b. an elective for students enrolled in the following degree program(s) (e.g., M.S., Ph.D. in geography)

   M.S. or Ph.D. in Neuroscience, Psychology, Biology, Veterinary Integrative Biosciences, and other programs affiliated with the Interdisciplinary Program in Neuroscience

8. If other departments are teaching or are responsible for related subject matter, the course must be coordinated with these departments. Attach approval letters.

9. Prefix | Course # | Title (excluding punctuation)
---|---|---
NRSC | 605 | NEUROANATOMICAL SYSTEMS

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Approval recommended by:

Department Head - Type Name & Sign  Date
Chair, College Review Committee  Date

Department Head - Type Name & Sign  Date
(fif cross-listed course)
Dean of College  Date

Submitted to Coordinating Board by:
Associate Director, Curricular Services  Date
Effective Date

Questions regarding this form should be directed to Sandra Williams at 845-8201 or sandra-williams@tamu.edu.
Curricular Services - 3/09

26 of 38 L
1. This request is submitted by the Department of Neuroscience Program

2. Course prefix, number and complete title of course: NRSC 606, Learning

3. Catalog course description (not to exceed 50 words): Procedural and theoretical issues in study of basic learning mechanisms in animals and humans, including Pavlovian and instrumental conditioning. Application of this work to other domains and relevant biological mechanisms also discussed.

4. Prerequisite(s): PSYC 340 or approval of instructor.

Cross-listed with: PSYC 606

Cross-listed courses require the signature of both department heads.

5. Is this a variable credit course? ☒ No If yes, from ______ to ______

6. Is this a repeatable course? ☒ No If yes, this course may be taken ______ times.

Will this course be repeated within the same semester? ☒ Yes ☐ No

7. This course will be:
   a. required for students enrolled in the following degree programs(s) (e.g., B.A. in history)
   b. an elective for students enrolled in the following degree program(s) (e.g., M.S., Ph.D. in geography)

   M.S. or Ph.D. in Neuroscience, Psychology, Biology, Veterinary Integrative Biosciences, and other programs affiliated with the Interdisciplinary Program in Neuroscience

8. If other departments are teaching or are responsible for related subject matter, the course must be coordinated with these departments Attach approval letters.

9. Prefix Course # Title (excluding punctuation) 
   NRSC 606 LEARNING
   
   Lect. Lab SCH CIP and Fund Code Admin. Unit Acad. Year FICE Code
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Approval recommended by: Level 6

Department Head - Type Name & Sign Date

Chair, College Review Committee Date

Department Head - Type Name & Sign (if cross-listed course) Date

Dean of College Date

Submitted to Coordinating Board by:

Associate Director, Curricular Services Date

Dean of College Date

Effective Date

Questions regarding this form should be directed to Sandra Williams at 845-8201 or sandra.williams@tamu.edu. Curricular Services – 3/09
Texas A&M University
Departmental Request for a New Course
Undergraduate • Graduate • Professional
• Submit original form and attach a course syllabus.

1. This request is submitted by the Department of Neuroscience Program

2. Course prefix, number and complete title of course: NRSC 609, Physiological Psychology

3. Catalog course description (not to exceed 50 words): Current research and methodological procedures on physiological bases of sensation-perception, memory and learning, arousal-sleep-attention, emotions and motivation.

4. Prerequisite(s): PSYC 335
   Cross-listed with: PSYC 609
   Cross-listed courses require the signature of both department heads.

5. Is this a variable credit course? Yes No
   If yes, from ________ to ________

6. Is this a repeatable course? Yes No
   If yes, this course may be taken ________ times.
   Will this course be repeated within the same semester? Yes No

7. This course will be:
   a. required for students enrolled in the following degree programs(s) (e.g., B.A. in history)
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      M.S. or Ph.D. in Neuroscience, Psychology, Biology, Veterinary Integrative Biosciences, and other programs affiliated with the Interdisciplinary Program in Neuroscience

8. If other departments are teaching or are responsible for related subject matter, the course must be coordinated with these departments. Attach approval letters.

9. Prefix Course # Title (excluding punctuation)
   NRSC 609 Physiological Psychology
   Lect. Lab SCH CIP and Fund Code Admin. Unit Acad. Year FICE Code
   0 3 0 0 0 3 4 2 1 1 0 1 0 0 1 1 6 5 5 1 0 - 1 1 0 0 3 6 3 2
   Approval recommended by: Level 6
   Department Head - Type Name & Sign Date
   Chair, College Review Committee Date
   Department Head - Type Name & Sign Date
   (if cross-listed course) Date
   Dean of College Date
   Submitted to Coordinating Board by:
   Associate Director, Curricular Services Date
   Dean of College Date
   Effective Date

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Curricular Services – 3/09

28 of 38 L
Texas A&M University
Departmental Request for a New Course
Undergraduate • Graduate • Professional
• Submit original form and attach a course syllabus.

1. This request is submitted by the Department of Neuroscience Program

2. Course prefix, number and complete title of course: NRSC 611, Molecular Biology of Differentiation and Development

3. Catalog course description (not to exceed 50 words): Major paradigms of eukaryotic gene regulation in terms of the role of gene expression during ontogeny and the effect of dysfunction in these processes on the neoplastic state.

4. Prerequisite(s):

Cross-listed with: BIOL 611

Cross-listed courses require the signature of both department heads.

5. Is this a variable credit course?  □ Yes  □ No  If yes, from ______ to ______

6. Is this a repeatable course?  □ Yes  □ No  If yes, this course may be taken ______ times.
Will this course be repeated within the same semester?  □ Yes  □ No

7. This course will:
a. required for students enrolled in the following degree program(s) (e.g., B.A. in history)

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9. Prefix  Course #  Title (excluding punctuation)

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Approval recommended by:  

Department Head - Type Name & Sign  Date  Chair, College Review Committee  Date

Department Head - Type Name & Sign  Date  Dean of College  Date

(if cross-listed course)  

Submitted to Coordinating Board by:

Associate Director, Curricular Services  Date  Effective Date

Questions regarding this form should be directed to Sandra Williams at 845-8201 or sandra-williams@tamu.edu.
Curricular Services – 3/09  29 of 38 L
Texas A&M University  
Departmental Request for a New Course  
Undergraduate + Graduate + Professional  
* Submit original form and attach a course syllabus. *

1. This request is submitted by the Department of  
   Neuroscience

2. Course prefix, number and complete title of course:  
   NRSC 615, Perpetual Processes

3. Catalog course description (not to exceed 50 words):  
   Complex sensory and perceptual phenomena with emphasis on the relationship  
   between perception and motivation, cognition, creativity and instinctive/ethological; learning/experiential factors in higher level perceptual  
   processes.

4. Prerequisite(s):  
   Cross-listed with:  
   PSYC 615
   Cross-listed courses require the signature of both department heads.

5. Is this a variable credit course?  
   □ Yes  
   □ No  
   If yes, from ______ to ______

6. Is this a repeatable course?  
   □ Yes  
   □ No  
   If yes, this course may be taken ______ times.
   Will this course be repeated within the same semester?  
   □ Yes  
   □ No

7. This course will be:  
   a. required for students enrolled in the following degree program(s) (e.g., B.A. in history)
   
   b. an elective for students enrolled in the following degree program(s) (e.g., M.S., Ph.D. in geography)  
   M.S. or Ph.D. in Neuroscience, Psychology, Biology, Veterinary Integrative Biosciences, and other programs affiliated with the  
   Interdisciplinary Program in Neuroscience

8. If other departments are teaching or are responsible for related subject matter, the course must be coordinated with these departments.  
   Attach approval letters.

9. Prefix Course # Title (excluding punctuation)  
   NRSC 615 PERCEPTUAL PROCESSES
   Lect. Lab SCH CIP and Fund Code Admin. Unit Acad. Year FICE Code
   0 3 0 0 0 3 4 2 0 3 0 1 0 0 0 1 1 6 5 5 1 0 - 1 1 0 0 3 6 3 2
   Approval recommended by:  
   Level 6

   Department Head - Type Name & Sign  
   Date  
   Chair, College Review Committee  
   Date

   Department Head - Type Name & Sign  
   (if cross-listed course)  
   Date  
   Dean of College  
   Date

   Submitted to Coordinating Board by:  
   Associate Director, Curricular Services  
   Date  
   Effective Date

Questions regarding this form should be directed to Sandra Williams at 845-8201 or sandra-williams@tamu.edu.  
Curricular Services – 3/09

30 of 38 L
Texas A&M University
Departmental Request for a New Course
Undergraduate • Graduate • Professional
• Submit original form and attach a course syllabus.

1. This request is submitted by the Department of Neuroscience Program

2. Course prefix, number and complete title of course: NRSC 634, Comparative Neurobiology

3. Catalog course description (not to exceed 50 words): Cellular, molecular and systems neurobiology, together with neuroethology. A comparative approach to subject matter is stressed. Topics such as evolution of nervous systems and their diverse structure and complex functions are dealt with.

4. Prerequisite(s):
Cross-listed with: BIOL 634

Cross-listed courses require the signature of both department heads.

5. Is this a variable credit course? □ Yes □ No If yes, from _______ to _______

6. Is this a repeatable course? □ Yes □ No If yes, this course may be taken _______ times.
Will this course be repeated within the same semester? □ Yes □ No

7. This course will be:
a. required for students enrolled in the following degree programs(s) (e.g., B.A. in history)

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<th>Prefix</th>
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Lect. Lab SCI CLP and Fund Code Admin. Unit Acad. Year FICE Code

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Approval recommended by:

Department Head - Type Name & Sign Date Chair, College Review Committee Date

Department Head - Type Name & Sign Date Dean of College Date

(if cross-listed course)

Submitted to Coordinating Board by:

Associate Director, Curricular Services Date Effective Date

Questions regarding this form should be directed to Sandra Williams at 845-8201 or sandra-williams@tamu.edu.
Curricular Services – 3/09
Texas A&M University
Departmental Request for a New Course
Undergraduate • Graduate • Professional
• Submit original form and attach a course syllabus.

1. This request is submitted by the Department of Neuroscience Program

2. Course prefix, number and complete title of course: NRSC 635, Biological Clocks

3. Catalog course description (not to exceed 50 words): Introduction to the formal properties of biological rhythms; cellular and molecular bases for rhythmicity; temporal adaptations of organisms using clocks.

4. Prerequisite(s): Graduate classification or approval of instructor.

Cross-listed with: BIOL 601

Cross-listed courses require the signature of both department heads.

5. Is this a variable credit course? [ ] Yes [X] No If yes, from ______ to ______

6. Is this a repeatable course? [ ] Yes [X] No If yes, this course may be taken ______ times.

Will this course be repeated within the same semester? [ ] Yes [ ] No

7. This course will be:
   a. required for students enrolled in the following degree program(s) (e.g., B.A. in history)

   b. an elective for students enrolled in the following degree program(s) (e.g., M.S., Ph.D. in geography)

     M.S. or Ph.D. in Neuroscience, Psychology, Biology, Veterinary Integrative Biosciences, and other programs affiliated with the Interdisciplinary Program in Neuroscience

8. If other departments are teaching or are responsible for related subject matter, the course must be coordinated with these departments. Attach approval letters.

9. Prefix Course # Title (excluding punctuation)

   NRSC 601 Biological Clocks

   Lec. Lab SCH CIP and Fund Code Admin. Unit Acad. Year FICE Code
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   Approval recommended by:

   Department Head - Type Name & Sign Date
   Chair, College Review Committee Date
   Department Head - Type Name & Sign Date
   (if cross-listed course)
   Dean of College Date
   Submitted to Coordinating Board by:

   Associate Director, Curricular Services Date
   Dean of College Effective Date

Questions regarding this form should be directed to Sandra Williams at 945-0201 or sandra-williams@amu.edu.
Curricular Services – 3/09

32 of 38 L
Texas A&M University  
Departmental Request for a New Course  
Undergraduate + Graduate + Professional  
• Submit original form and attach a course syllabus.

1. This request is submitted by the Department of Neuroscience Program

2. Course prefix, number and complete title of course: NRSC 636, Signaling in Behavior and Development

3. Catalog course description (not to exceed 50 words): Will focus on signaling pathways used in multicellular animals. In each lecture, major signaling pathways used in behavior, physiology, and development will be introduced at the molecular level, and then be discussed in the context of organismal biology.

4. Prerequisite(s): Graduate classification.

Cross-listed with: BIOL 615

Cross-listed courses require the signature of both department heads.

5. Is this a variable credit course? ☐ Yes ☒ No  
   If yes, from _______ to _______.

6. Is this a repeatable course? ☐ Yes ☒ No  
   Will this course be repeated within the same semester? ☐ Yes ☐ No  
   If yes, this course may be taken _______ times.

7. This course will be:  
   a. required for students enrolled in the following degree program(s) (e.g., B.A. in history)
   b. an elective for students enrolled in the following degree program(s) (e.g., M.S., Ph.D. in geography)  
      M.S. or Ph.D. in Neuroscience, Psychology, Biology, Veterinary Integrative Biosciences, and other programs affiliated with the Interdisciplinary Program in Neuroscience

8. If other departments are teaching or are responsible for related subject matter, the course must be coordinated with these departments. Attach approval letters.

9. Prefix | Course # | Title (excluding punctuation) |
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Approval recommended by: [Signature]

Department Head - Type Name & Sign Date  
Chair, College Review Committee Date

Department Head - Type Name & Sign Date  
(If cross-listed course)  
Dean of College Date

Submitted to Coordinating Board by: [Signature]  
Dean of College Date

Associate Director, Curricular Services Date  
Effective Date

Questions regarding this form should be directed to Sandra Williams at 845-8201 or Sandra-williams@tamu.edu.  
Curricular Services - 3/09
Texas A&M University
Departmental Request for a New Course
Undergraduate ♦ Graduate ♦ Professional
- Submit original form and attach a course syllabus.

1. This request is submitted by the Department of Neuroscience Program

2. Course prefix, number and complete title of course: NRSC 640, Neurobiology

3. Catalog course description (not to exceed 50 words): Biology of the mammalian central nervous system with emphasis on cellular and molecular interactions; contemporary research topics in areas such as neuron-glia interactions, neuroimmunology, neuroendocrinology, developmental neurobiology and neurogenetics; extensive readings from primary literature.

4. Prerequisite(s): Undergraduate or graduate cell biology, genetics and biochemistry or approval of instructor.

Cross-listed with: VIBS 640

Cross-listed courses require the signature of both department heads.

5. Is this a variable credit course? ☒ Yes ☐ No If yes, from ___1___ to ___5___

6. Is this a repeatable course? ☐ Yes ☒ No If yes, this course may be taken ___times_.

Will this course be repeated within the same semester? ☐ Yes ☒ No

7. This course will be:
   a. required for students enrolled in the following degree program(s) (e.g., B.A. in History)

   b. an elective for students enrolled in the following degree program(s) (e.g., M.S., Ph.D. in geography)

   M.S. or Ph.D. in Neuroscience, Psychology, Biology, Veterinary Integrative Biosciences, and other programs affiliated with the Interdisciplinary Program in Neuroscience.

8. If other departments are teaching or are responsible for related subject matter, the course must be coordinated with these departments. Attach approval letters.

9. Prefix Course # Title (excluding punctuation)
   NRSC 640 Neuroscience
   LEARNING
   Lec. Lab SCH CIP and Fund Code
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   Approval recommended by:
   Level 6

   Department Head - Type Name & Sign Date
   (if cross-listed course)

   Chair, College Review Committee Date

   Dean of College Date

   Dean of College Date

   Submitted to Coordinating Board by:

   Date Effective Date

   Associate Director, Curricular Services

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Curricular Services – 3/09
Texas A&M University
Departmental Request for a New Course
Undergraduate • Graduate • Professional
• Submit original form and attach a course syllabus.

1. This request is submitted by the Department of Neuroscience Program

2. Course prefix, number and complete title of course: NRSC 641, Principles of Neuropsychology

3. Catalog course description (not to exceed 50 words): Review of major areas of cognitive functioning including concentration, memory, language, visuospatial/construction skills and executive functions; review of neu-robahavioral syndromes including dementia, epilepsy, head injury, stroke, drug toxicity, etc.; assessment of deficits associated with disorders.

4. Prerequisite(s): PSYC 624 or 627 or equivalent as approved by instructor.

Cross-listed with: PSYC 641

Cross-listed courses require the signature of both department heads.

5. Is this a variable credit course? □ Yes □ No

If yes, from ______ to ______

6. Is this a repeatable course? □ Yes □ No

If yes, this course may be taken ______ times.

Will this course be repeated within the same semester? □ Yes □ No

7. This course will be:

a. required for students enrolled in the following degree programs(s) (e.g., B.A. in history)

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8. If other departments are teaching or are responsible for related subject matter, the course must be coordinated with these departments.

Attach approval letters.

9. Prefix Course # Title (excluding punctuation)

| NRSC | 641 | PRINC OF NEUROPSYCHOL

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Approval recommended by: [Signature]

Department Head - Type Name & Sign Date

Chair, College Review Committee Date

Department Head - Type Name & Sign (if cross-listed course) Date

Dean of College Date

Submitted to Coordinating Board by:

Associate Director, Curricular Services

Date Effective Date

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Curricular Services – 3/09

35 of 38 L
Texas A&M University
Departmental Request for a New Course
Undergraduate • Graduate • Professional
• Submit original form and attach a course syllabus.

1. This request is submitted by the Department of Neuroscience Program

2. Course prefix, number and complete title of course: NRSC 644, Neural Development

3. Catalog course description (not to exceed 50 words): Classical and current research literature to explore the major events in the development of a nervous system, including topics ranging from neurogenesis to synapse information.

4. Prerequisite(s): Graduate classification.
   Cross-listed with: BIOL 644
   Cross-listed courses require the signature of both department heads.

5. Is this a variable credit course? □ Yes ☒ No If yes, from _______ to _______

6. Is this a repeatable course? □ Yes ☒ No If yes, this course may be taken _______ times.
   Will this course be repeated within the same semester? □ Yes ☒ No

7. This course will be:
   a. required for students enrolled in the following degree program(s) (e.g., B.A. in history)
   b. an elective for students enrolled in the following degree program(s) (e.g., M.S., Ph.D. in geography)
      M.S. or Ph.D. in Neuroscience, Psychology, Biology, Veterinary Integrative Biosciences, and other programs affiliated with the Interdisciplinary Program in Neuroscience

8. If other departments are teaching or are responsible for related subject matter, the course must be coordinated with these departments. Attach approval letters.

9. Prefix Course # Title (excluding punctuation) Lec Lab SCH CIP and Fund Code Admin. Unit Acad. Year FICE Code

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   Approval recommended by: Level 6

   Department Head - Type Name & Sign Date
   Chair, College Review Committee Date
   (if cross-listed course) Date
   Dean of College Date

   Submitted to Coordinating Board by:

   Associate Director, Curricular Services

   Date Effective Date
Texas A&M University
Departmental Request for a New Course
Undergraduate • Graduate • Professional
• Submit original form and attach a course syllabus.

1. This request is submitted by the Department of Neuroscience Program

2. Course prefix, number and complete title of course: NRSC 649, Seminar in Behavioral Neuroscience

3. Catalog course description (not to exceed 50 words): Behavioral neuroscience; including behavioral pharmacology, neuroparmacology, methods and techniques, drug reinforcement, behavioral toxicology, pain perception and ingestive behavior. May be repeated up to three times for credit.

4. Prerequisite(s): PSYC 606 or equivalent; PSYC 609; graduate classification.

Cross-listed with: PSYC 649

Cross-listed courses require the signature of both department heads.

5. Is this a variable credit course? ☐ Yes ☒ No If yes, from ______ to ______

6. Is this a repeatable course? ☒ Yes ☐ No If yes, this course may be taken ___ times.

Will this course be repeated within the same semester? ☐ Yes ☒ No

7. This course will be:
   a. required for students enrolled in the following degree program(s) (e.g., B.A. in history)

   b. an elective for students enrolled in the following degree program(s) (e.g., M.S., Ph.D. in geography)

   M.S. or Ph.D. in Neuroscience, Psychology, Biology, Veterinary Integrative Biosciences, and other programs affiliated with the Interdisciplinary Program in Neuroscience

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9. Prefix Course # Title (excluding punctuation)

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Approval recommended by:

Department Head - Type Name & Sign Date
Chair, College Review Committee Date

Department Head - Type Name & Sign (if cross-listed course) Date
Dean of College Date

Submitted to Coordinating Board by:

Associate Director, Curricular Services Date Effective Date

Questions regarding this form should be directed to Sandra Williams at 845-8201 or sandra-williams@tamu.edu.
Curricular Services – 3/09
Texas A&M University
Departmental Request for a New Course
Undergraduate + Graduate + Professional
Submit original form and attach a course syllabus.

1. This request is submitted by the Department of Neuroscience Program

2. Course prefix, number and complete title of course: NRSC 671, Experimental Design for Behavioral Scientists

3. Catalog course description (not to exceed 50 words): Intensive practical study of designs of special interest to behavioral scientists; repeated measures designs.

4. Prerequisite(s): STAT 652 or equivalent.

Cross-listed with: PSYC 671

Cross-listed courses require the signature of both department heads.

5. Is this a variable credit course? [ ] Yes [X] No If yes, from _____ to _____

6. Is this a repeatable course? [ ] Yes [X] No If yes, this course may be taken _____ times.

Will this course be repeated within the same semester? [ ] Yes [ ] No

7. This course will be:
   a. required for students enrolled in the following degree program(s) (e.g., B.A. in history)
   b. an elective for students enrolled in the following degree program(s) (e.g., M.S., Ph.D. in geography)

M.S. or Ph.D. in Neuroscience, Psychology, Biology, Veterinary Integrative Biosciences, and other programs affiliated with the Interdisciplinary Program in Neuroscience

8. If other departments are teaching or are responsible for related subject matter, the course must be coordinated with these departments. Attach approval letters.

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Approval recommended by: Level 6

Department Head - Type Name & Sign Date

Chair, College Review Committee Date

Department Head - Type Name & Sign (if cross-listed course) Date

Dean of College Date

Submitted to Coordinating Board by:

Associate Director, Curricular Services

Questions regarding this form should be directed to Sandra Williams at 845-8201 or sandra-williams@tamu.edu.
Curricular Services – 3/09