



Course Approval Form

For approval of new courses and deletions or modifications to an existing course.

registrar.gmu.edu/facultystaff/curriculum

Action Requested:

Create new course Inactivate existing course

Modify existing course (check all that apply)

Title Credits Repeat Status Grade Type

Prereq/coreq Schedule Type Restrictions

Other: Course Content

Course Level:

Undergraduate

Graduate

College/School: CoS Department: Molecular Neuroscience

Submitted by: Kim Blackwell Ext: 34381 Email: Kblackw1

Subject Code: Neur Number: 702 Effective Term: Fall Year 2014

Spring Summer

(Do not list multiple codes or numbers. Each course proposal must have a separate form.)

Title: Current Research Methods

Banner (30 characters max including spaces) _____

New _____

Credits: (check one) Fixed 3 or Variable to

Repeat Status: (check one) Not Repeatable (NR)

Repeatable within degree (RD) Maximum credits allowed:

Repeatable within term (RT)

Grade Mode: (check one) Regular (A, B, C, etc.)

Satisfactory/No Credit

Special (A, B C, etc. +IP)

Schedule Type: (check one) Lecture (LEC)

Lab (LAB)

Recitation (RCT)

Internship (INT)

Independent Study (IND)

Seminar (SEM)

Studio (STU)

Prerequisite(s): Graduate Standing

Corequisite(s): _____

Instructional Mode:

100% face-to-face

Hybrid: ≤ 50% electronically delivered

100% electronically delivered

Restrictions Enforced by System: Major, College, Degree, Program, etc. Include Code.

Are there equivalent course(s)?

Yes No

If yes, please list _____

Catalog Copy for NEW Courses Only (Consult University Catalog for models)

| | |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------|
| Description (No more than 60 words, use verb phrases and present tense) | Notes (List additional information for the course) |
| Trains students in research methodologies for life sciences. Covers the four aspects of biological research projects: experimental design, data collection, data analysis and research ethics. | This catalog copy reflects the addition of research ethics. The current catalog copy is provided on the second page. |
| Indicate number of contact hours: _____ | Hours of Lecture or Seminar per week: <u>3</u> Hours of Lab or Studio: _____ |
| When Offered: (check all that apply) <input checked="" type="checkbox"/> Fall <input type="checkbox"/> Summer <input type="checkbox"/> Spring | |

Approval Signatures

Kim L Blackwell 11/14/2013 _____ _____

Department Approval Date College/School Approval Date

If this course includes subject matter currently dealt with by any other units, the originating department must circulate this proposal for review by those units and obtain the necessary signatures prior to submission. Failure to do so will delay action on this proposal.

| Unit Name | Unit Approval Name | Unit Approver's Signature | Date |
|-----------|--------------------|---------------------------|------|
| | | | |
| | | | |

For Graduate Courses Only

Graduate Council Member Provost Office Graduate Council Approval Date

For Registrar Office's Use Only: Banner _____ Catalog _____

RATIONALE:

Research ethics will be incorporated into this class in order to emphasize the importance of research ethics. In addition, discussing research ethics in the context of experimental design and data analysis will make the ethics aspect more relevant for the students.

Current Course Description (exceeds 60 words)

Trains students in research methodologies, techniques, and data analysis in neuroscience. The course is divided into three modules that introduce separate but equally significant components of any research project. The first module will focus on parameters required for outlining and synthesizing a problem. The second module will cover various techniques of measurement and analysis used by neuroscientists. The last module will cover various approaches used for data analysis and interpretations.