Course Approval Form

For instructions see:
http://registrar.gmu.edu/facultystaff/catalog-revisions/course/

Action Requested:

- [x] Create new course
- [ ] Inactivate existing course
- [ ] Reinstate inactive course
- [ ] Modify existing course (check all that apply)
  - [ ] Title
  - [ ] Credits
  - [ ] Repeat Status
  - [ ] Grade Type
  - [ ] Prereq/coreq
  - [ ] Schedule Type
  - [ ] Restrictions
  - [ ] Other:

Course Level:

- [ ] Undergraduate
- [x] Graduate

College/School: CoS
Department: Neuroscience
Submitted by: Kim Blackwell
Ext: 34381 **Email:** Kblackw1@gmu.edu

Subject Code: Neur **Number:** 612
(Do not list multiple codes or numbers. Each course proposal must have a separate form.)

Effective Term:

- [x] Fall
- [ ] Spring
- [ ] Summer

Year 2015

Title:
Current: Neuroethics
Banner (30 characters max w/ spaces):
New:

Fulfills Mason Core Req? (undergrad only)

- [ ] Currently fulfills requirement
- [ ] Submission in progress

Credits: (check one)

- [x] Fixed 3 or
- [ ] Variable to

Repeat Status: (check one)

- [x] Not Repeatable (NR)
- [ ] Repeatable within degree (RD)
- [ ] Repeatable within term (RT)

Maximum credits allowed: 3

Grade Mode: (check one)

- [x] Regular (A, B, C, etc.)
- [ ] Satisfactory/No Credit
- [ ] Special (A, B C, etc. +IP)

Schedule Type: (check one) LEC can include LAB or RCT

- [x] Lecture (LEC)
- [ ] Lab (LAB)
- [ ] Recitation (RCT)
- [ ] Internship (INT)
- [ ] Independent Study (IND)
- [ ] Seminar (SEM)
- [ ] Studio (STU)

Prerequisite(s):

Corequisite(s):

Instructional Mode:

- [x] 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
- [x] 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)
Neuroethics explores the implications of developments in basic and clinical neuroscience on social and ethical issues. This course will survey emerging questions raised by recent neuroscientific discoveries on genetic and environmental factors that influence human behavior, decision-making, personality traits, and mental states. Grades will be based on article presentation, class participation, and a final written report.	

Indicate number of contact hours: Hours of Lecture or Seminar per week: 3 Hours of Lab or Studio:
When Offered: (check all that apply) [x] Fall [ ] Summer [ ] Spring

Approval Signatures

Kim L Blackwell — Feb 20, 2015

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_____

revised 10/16/14

Course Proposal Submitted to the College of Science Curriculum Committee (COSCC)

The form above is processed by the Office of the University Registrar. This second page is for the COSCC's reference. Please complete the applicable portions of this page to clearly communicate what the form above is requesting.

FOR ALL COURSES (required)

Course Number and Title: NEUR 612 Neuroethics

Date of Departmental Approval: February 20, 2015

FOR INACTIVATED/REINSTATED COURSES (required if inactivating/reinstating a course)

N/A

FOR MODIFIED COURSES (required if modifying a course)

N/A

FOR NEW COURSES (required if creating a new course)

- Reason for the New Course: Core course in the MAIS Neuroethics concentration
- Relationship to Existing Programs: The Neuroethics course will constitute a primary course in the Neuroethics M.S. degree drawing students from CoS and CHSS (neuroscience, psychology, and philosophy).
- Relationship to Existing Courses: This new course is a neuroscience centered addition to a series of existing courses in the area of science ethics. This includes Research Ethics (NEUR605) and Biomedical Ethics (PHIL642).
- Semester of Initial Offering: Fall 2015
- Proposed Instructors: Nadine Kabbani
- Insert Tentative Syllabus Below

NEUR689/PHIL694/PSYC92
Neuroethics and Society Journal Club
Fall 2014
R 3:00-5:45
KRASNOW 2298

INSTRUCTORS: N KABBANI, nkabbani@gmu.edu
Office Hours: R, 1:30–3:00 pm Krasnow Institute, room 233

Course Objectives: Neuroethics is a burgeoning field that explores the implications of new developments in basic and clinical neuroscience on social and ethical issues. In particular, advances in functional neuroimaging, psychopharmacology, brain implants and brain-machine interfaces raise important social, legal, ethical and policy questions. The course will survey emerging ethical questions raised by recent neuroscientific discoveries on genetic and environmental factors that influence human behavior, decision-making, personality traits, and mental states.

Text: Neuroethics (An Introduction with Reading) Martha Farah, MIT Press

GRADING

Final grades will be based on article presentation and participation (50%) and a final report (50%). A score of 90 or above generally results in a grade of A or above, 80 or above corresponds to a B or above, and 70 or above results in C or above. All reports must follow the guidelines of the GMU Honor Code as described in the GMU catalog.

August 28: Neuroethics a overview
September 4: Neurocognitive enhancement (Reading 2.1, 2.2, 2.5) (Jim Olds)
September 11: The run on Ritalin (Reading 2.3)
September 18: Memory dampening and blunting (Reading 3.1, 3.3)
September 25: Prozac as a way of life, Alienation (Reading 3.3, 3.4) (Erik Anger)
October 2: Neuroimaging and fMRI in the public eye (Reading 4.1, 4.3, 4.4, 4.6) (Frank Kruegger)
October 9: Neurobiology of intelligence. Race, behavior, and the brain (Reading 4.2, 4.5)
October 16: Neuroscience and justice (Reading 5.1, 5.2)
October 23: Neurobiology of addiction and state imposed brain intervention (Reading 5.3, 5.5)
October 30: Death, unconsciousness, and the brain (Reading 6.1)
November 6: Animal neuroethics (Reading 6.3)
November 13: Digital people (Reading 6.4) (Wilsaan Joiner)
November 20: From neurons to politics (Reading 6.5) (Jim Olds)
November 27: **No class, Thanksgiving**
December 4: Final Report Due