

Course Information

Date Submitted: 9/22/2016

Current Prefix and Number: PSY - Psychology , PSY 393 RESEARCH IN NEUROSCIENCE

Other Course:

Proposed Prefix and Number: PSY 393

What type of change is being proposed?

Major Change

Should this course be a UK Core Course? No

1. General Information

a. Submitted by the College of: ARTS & SCIENCES

b. Department/Division: Psychology

c. Is there a change in 'ownership' of the course? No

If YES, what college/department will offer the course instead: Select...

e. Contact Person

Name: Andrea Friedrich

Email: Andrea.Friedrich@uky.edu

Phone: 7-6431

Responsible Faculty ID (if different from Contact)

Name:

Email:

Phone:

f. Requested Effective Date

Semester Following Approval: Yes OR Effective Semester:

2. Designation and Description of Proposed Course

a. Current Distance Learning (DL) Status: N/A

b. Full Title: RESEARCH IN NEUROSCIENCE

Proposed Title: RESEARCH IN NEUROSCIENCE

c. Current Transcript Title: RESEARCH IN NEUROSCIENCE

Proposed Transcript Title:

d. Current Cross-listing: none

Proposed – ADD Cross-listing :

Proposed – REMOVE Cross-listing:

e. Current Meeting Patterns

RESEARCH: 3

Proposed Meeting Patterns

INDEPSTUDY: 1-3

f. Current Grading System: ABC Letter Grade Scale

Proposed Grading System: *Letter (A, B, C, etc.)*

g. Current number of credit hours: 1-3

Proposed number of credit hours: 1-3

h. Currently, is this course repeatable for additional credit? Yes

Proposed to be repeatable for additional credit? Yes

If Yes: Maximum number of credit hours: 12

If Yes: Will this course allow multiple registrations during the same semester? Yes

2i. Current Course Description for Bulletin: An independent research project in an area of neuroscience under the direction of a faculty mentor. A research contract must be signed by the student and the faculty research mentor. May be repeated to a maximum of 12 credits, in combination with other independent research credit hours. They should be capable of doing "independent research" in the sense that they can conduct the experiments with little direct supervision. Students are expected to become familiar with related research in the current literature by regularly reading scientific journals.

Proposed Course Description for Bulletin: An independent research project in an area of neuroscience under the direction of a faculty mentor. A research contract must be signed by the student and the faculty research mentor. May be repeated to a maximum of 12 credits, in combination with other independent research credit hours. Students should be capable of doing "independent research" in the sense that they can conduct the experiments with little direct supervision. Students are expected to become familiar with related research in the current literature by regularly reading scientific journals.

2j. Current Prerequisites, if any: Prereq: PSY 312, BIO 302 or equivalent.

Proposed Prerequisites, if any: Prereq: Psychology or Neuroscience or Biology major and permission of faculty research mentor. A signed contract between student and faculty member must be filed prior to enrollment in the course.

2k. Current Supplementary Teaching Component:

Proposed Supplementary Teaching Component: No Change

3. Currently, is this course taught off campus? No

Proposed to be taught off campus? No

If YES, enter the off campus address:

4. Are significant changes in content/student learning outcomes of the course being proposed? No

If YES, explain and offer brief rationale:

5a. Are there other depts. and/or pgms that could be affected by the proposed change? No

If YES, identify the depts. and/or pgms:

5b. Will modifying this course result in a new requirement of ANY program? No

If YES, list the program(s) here:

6. Check box if changed to 400G or 500: No

Distance Learning Form

Instructor Name:

Instructor Email:

Internet/Web-based: No

Interactive Video: No

Hybrid: No

1. How does this course provide for timely and appropriate interaction between students and faculty and among students? Does the course syllabus conform to University Senate Syllabus Guidelines, specifically the Distance Learning Considerations?

2. How do you ensure that the experience for a DL student is comparable to that of a classroom-based student's experience? Aspects to explore: textbooks, course goals, assessment of student learning outcomes, etc.

3. How is the integrity of student work ensured? Please speak to aspects such as password-protected course portals, proctors for exams at interactive video sites; academic offense policy; etc.

4. Will offering this course via DL result in at least 25% or at least 50% (based on total credit hours required for completion) of a degree program being offered via any form of DL, as defined above?

If yes, which percentage, and which program(s)?

5. How are students taking the course via DL assured of equivalent access to student services, similar to that of a student taking the class in a traditional classroom setting?

6. How do course requirements ensure that students make appropriate use of learning resources?

7. Please explain specifically how access is provided to laboratories, facilities, and equipment appropriate to the course or program.

8. How are students informed of procedures for resolving technical complaints? Does the syllabus list the entities available to offer technical help with the delivery and/or receipt of the course, such as the Information Technology Customer Service Center (<http://www.uky.edu/UKIT/>)?

9. Will the course be delivered via services available through the Distance Learning Program (DLP) and the Academic Technology Group (ATL)? NO

If no, explain how student enrolled in DL courses are able to use the technology employed, as well as how students will be provided with assistance in using said technology.

10. Does the syllabus contain all the required components? NO

11. I, the instructor of record, have read and understood all of the university-level statements regarding DL.

Instructor Name:



To: University of Kentucky Senate Council
From: Department of Psychology
Subject: PSY 393 Course Modification
Date: April 13, 2016

College of Arts and Sciences
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The purpose of this memo is to request some changes to the PSY 393 (Research in Neuroscience) course. The initial course proposal contained typographical errors that need to be corrected.

Summary

PSY 393 (Research in Neuroscience) should be described as a variable credit hour (1-3) course where psychology, neuroscience and biology majors work on a research project 3 hours weekly per 1 credit hour instead of being described as a research course.

Discussion

On May 08, 2015 PSY 393 (Research in Neuroscience) was approved as a research course due to a typographical error on the new course proposal form. It was also mistakenly indicated that students would not be allowed multiple registrations during the same semester. As indicated on the syllabus attached to the new course request form and the course description for Bulletin, the course should be described as an opportunity for students to work on a research project. PSY 393 should, therefore, be offered as a variable credit hour (1-3) course and should be allowed multiple registrations during the same semester. The course may be repeated for a maximum of 12 credit hours, in combination with other independent research credit hours and should be offered to psychology, neuroscience and biology majors. Students should receive permission from faculty research mentor before enrolling in the course.

Recommendation

We would like to have the typographical errors corrected as soon as possible so avoid any misinterpretations of the nature of the course.

PSY 393
Research in Neuroscience

Instructor of Record: TBA

Office: TBA

Telephone: TBA

E-Mail: TBA

Office Hours: TBA

Class Time and Location: To be determined with the student's Research Mentor

Texts: To be determined with the student's Research Mentor

Course Description: An independent research project in an area of neuroscience under the direction of a faculty mentor. A research contract must be signed by the student and the faculty research mentor. May be repeated to a maximum of 12 credits, in combination with other independent research credit hours. Students should be capable of doing "independent research" in the sense that they can conduct the experiments with little direct supervision. Students are expected to become familiar with related research in the current literature by regularly reading scientific journals.

Prerequisites: Psychology or Neuroscience or Biology major and permission of faculty research mentor. A signed contract between student and faculty member must be filed prior to enrollment in the course.

Student Learning Outcomes: By the end of the course, students will be able to

- (1) design and implement experiments using scientific methodology
- (2) Collect behavioral, anatomical and physiological data
- (3) statistically analyze and document experimental results
- (4) Communicate scientific problems, approaches, results and conclusions to a reader

Description of Course Activities and Assignments: Students will be required to attend regular lab meetings and meetings with the mentor, as needed. Students should take an active role in the design and execution of experiments and in the analysis and interpretation of data. Student will be required to complete one of the following substantive assignments, on consultation with the mentor:

1. write a review paper
2. present a poster at a local, regional or national scientific conference
3. present a substantial oral presentation of scientific activities and findings at a local, regional or National scientific conference

Reading Assignments

Reading assignments will be assigned by the student's research mentor.

Grading:

The grade for PSY 393 is assigned by the Research Mentor.

Grades are based on three aspects of a student's performance:

- (a) Fulfillment of required hours in the laboratory. Students are expected to spend on average 3 hours per week for each credit hour enrolled. Failure to complete the expected number of hours will reduce the grade.

- (b) Performance in the laboratory context. Research courses are meant to promote student creativity and initiative even in projects that are already well-defined. At a minimum, students should seek to confirm their understanding of the project through discussions and readings, and should learn how to troubleshoot basic problems.
- (c) The assignment as described above in “Description of Course Activities and Assignment”.

The Research Mentor will determine the exact weighting of each of these activities in the determination of the student's final grade. These weighting will be detailed on the student's PSY 393 Research Contract.

Grading scale:

A = 90 – 100%, B = 80 – 89%, C = 70 – 79%, D = 60 – 69%, E < 60%

Midterm grades will be available no later than the last day to submit midterm grades.

Attendance: Attendance in the laboratory is required. Absences (excused or unexcused) could severely compromise a research project so it is important to keep the student's Research Mentor informed of all absences. Missed laboratory work/assignments will result in a score of zero for that work/assignment, unless an acceptable written excuse is presented within one week of the missed laboratory time/ assignment deadline. Make-up opportunities will be determined by the student's Research Mentor.

Excused Absences (boilerplate):

Students need to notify the professor of absences prior to class when possible. S.R. 5.2.4.2 defines the following as acceptable reasons for excused absences: (a) serious illness, (b) illness or death of family member, (c) University-related trips, (d) major religious holidays, and (e) other circumstances found to fit “reasonable cause for nonattendance” by the professor.

Students anticipating an absence for a major religious holiday are responsible for notifying the instructor in writing of anticipated absences due to their observance of such holidays no later than the last day in the semester to add a class. Information regarding dates of major religious holidays may be obtained through the religious liaison, Mr. Jake Karnes (859-257-2754).

If a student has excused absences in excess of one-fifth of the class contact hours for the course, a student shall have the right to petition for a "W", and the Instructor of Record may require the student to petition for a "W" or take an "I" in the course. [US: 2/9/87; SREC: 11/20/87]

Students missing any graded work due to an excused absence bear the responsibility of informing the Instructor of Record about their excused absence within one week following the period of the excused absence (except where prior notification is required).

Students missing any graded work due to an excused absence bear the responsibility of informing the Instructor of Record about their excused absence within one week following the period of the excused absence (except where prior notification is required), and of making up the missed work. The Instructor of Record shall give the student an opportunity to make up the work and/or the exams missed due to an excused absence, and shall do so, if feasible, during the semester in which the absence occurred. [US: 11/10/85 and SREC: 11/20/87]

If a student has an excused absence on a day when a quiz is given, the instructor may not deny permission for a makeup exam and simply calculate the student's grade on the basis of the remaining requirements. [SREC: 8/20/87]

With respect to nonattendance for reason of an employment-related schedule conflict, the student who is a UK employee has exactly the same standing as a student who is working for some other employer. [SREC: 9/17/2012]

Academic Integrity: Per university policy, students shall not plagiarize, cheat, or falsify or misuse academic records. Students are expected to adhere to University policy on cheating and plagiarism in all courses. The minimum penalty for a first offense is a zero on the assignment on which the offense occurred. If the offense is considered severe or the student has other academic offenses on their record, more serious penalties, up to suspension from the university may be imposed.

Plagiarism and cheating are serious breaches of academic conduct. Each student is advised to become familiar with the various forms of academic dishonesty as explained in the Code of Student Rights and Responsibilities. Complete information can be found at the following website: <http://www.uky.edu/Ombud>. A plea of ignorance is not acceptable as a defense against the charge of academic dishonesty. It is important that you review this information as all ideas borrowed from others need to be properly credited.

Part II of *Student Rights and Responsibilities* (available online <http://www.uky.edu/StudentAffairs/Code/part2.html>) states that all academic work, written or otherwise, submitted by students to their instructors or other academic supervisors, is expected to be the result of their own thought, research, or self-expression. In cases where students feel unsure about the question of plagiarism involving their own work, they are obliged to consult their instructors on the matter before submission.

When students submit work purporting to be their own, but which in any way borrows ideas, organization, wording or anything else from another source without appropriate acknowledgement of the fact, the students are guilty of plagiarism. Plagiarism includes reproducing someone else's work, whether it be a published article, chapter of a book, a paper from a friend or some file, or something similar to this. Plagiarism also includes the practice of employing or allowing another person to alter or revise the work which a student submits as his/her own, whoever that other person may be.

Students may discuss assignments among themselves or with an instructor or tutor, but when the actual work is done, it must be done by the student, and the student alone. When a student's assignment involves research in outside sources of information, the student must carefully acknowledge exactly what, where and how he/she employed them. If the words of someone else are used, the student must put quotation marks around the passage in question and add an appropriate indication of its origin. Making simple changes while leaving the organization, content and phraseology intact is plagiaristic. However, nothing in these Rules shall apply to those ideas which are so generally and freely circulated as to be a part of the public domain (Section 6.3.1).

Disabilities/ Medical Conditions: If you have a documented disability that requires academic accommodations, please see me as soon as possible during scheduled office hours. In order to receive accommodations in this course, you must provide me with a Letter of Accommodation from the Disability Resource Center (DRC). The DRC coordinates campus disability services available to students with disabilities. It is located on the corner of Rose Street and Huguelet Drive in the Multidisciplinary Science Building, Suite 407. You can reach them via phone at (859) 257-2754 and via email at drc@uky.edu. Their web address is <http://www.uky.edu/StudentAffairs/DisabilityResourceCenter/>.

Identifying a Faculty Mentor

The first step to doing undergraduate research is to find a faculty mentor. Choosing the right mentor and laboratory will have a large impact on the student's research experience and deserves serious effort and preparation on the student's part. Faculty do not generally advertise undergraduate research positions and, therefore, the student will have to actively seek out a mentor. The student's do not need to have a particular research project in mind, just the desire to do research. The faculty mentor can be someone from the Department of Psychology or someone in a neuroscience-related discipline outside the department.

To identify a potential faculty mentor we suggest talking to professors from whom you have taken classes and scanning individual faculty web pages to identify a research program in an area of particular interest to you. (See these listings of faculty on the Psychology Department's webpages). Ideally, you will identify several possible

mentors. Contact the individual faculty member(s) in person, by phone, or by e-mail to set up an appointment to talk about the possibility of undertaking an undergraduate research project in their laboratories. Professors are generally more than willing to talk with students about their research programs. However, students should recognize that not all faculty have the space, time, or resources to mentor every interested undergraduate, and some faculty may not be able to consider you for a position in their laboratories. Therefore, it is advisable to consider multiple faculty members. Perseverance in finding a mentor will almost always be rewarded. We suggest that you start looking for a mentor one semester before you would like to begin a research project.

Completion of PSY 393 Contract.

PSY 393 Contracts can be obtained at <https://psychology.as.uky.edu/independent-research>. This contract must be completed by both student and Research mentor.

Course Policy on Classroom Civility and Decorum:

The university, college and department all have a commitment to respect the dignity of all and to value differences among members of our academic community. There exists the role of discussion and debate in academic discovery and the right of all to respectfully disagree from time-to-time. Students clearly have the right to take reasoned exception and to voice opinions contrary to those offered by the instructor and/or other students (S.R. 6.1.2). Equally, a faculty member has the right -- and the responsibility -- to ensure that all academic discourse occurs in a context characterized by respect and civility. Obviously, the accepted level of civility would not include attacks of a personal nature or statements denigrating another on the basis of race, sex, religion, sexual orientation, age, national/regional origin or other such irrelevant factors.

PSY 393 Research in Neuroscience (1-3 Credit Hours)

Research Contract

In order to receive credit for PSY 393, students and their research mentors must complete a contract. *If a contract is not completed **each semester** by the add/drop date YOU WILL NOT BE ABLE TO REGISTER FOR THIS CLASS.* **Return a copy of the completed contract to the research mentor.**

Academic session in which the research will take place:

(Circle one) Fall Spring 4-week 8-week **YEAR:** _____

Credit Hours: _____

Research mentors may be any research-active psychology or neuroscience faculty member at the University of Kentucky. Please enter grades in those courses that you have completed:

Please list grades.

<u>PSY Course Number</u>	<u>Grade</u>
PSY 312	_____
BIO 302	_____
or equivalent course	_____

Research mentors agree to provide lab space, resources (eg. chemicals), and guidance. Guidance includes safety training as well as training in scientific method, technique, and presentation. Mentors will be asked to grade the student's independent work.

Please provide the following information:

Student's Name	Student ID	Email	Telephone
Mentor Name	Department	Email	Telephone

Student's signature: _____

Mentor's signature: _____

This section to be filled in by the Mentor. Please indicate what activities (and their weighting) will be used in the determination of the student's grade in the course. (ex. Attendance 25%, oral reports 25%, final paper 50%, etc). The contract will not be approved if this information is missing/incomplete.

A= 90-100; B= 80-89; C=70-79; D=60-69; F= 59 and below

Please attach to this form a description of the proposed research work: You must follow the indicated 3-point format. If the student's project is a continuation from a previous semester of PSY 393 , provide a short description of the results of the previous semester's work and indicate that it is a continuation. **Complete this section in consultation with the research mentor.**

1. State a hypothesis or driving principle.
2. Briefly describe the sorts of experiments the student intend to perform, including brief technical details.
3. What might the results of these experiments be and how could these results support or refute the student's hypothesis?