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JAN 19 2016

OFFICE OF THE
SENATE COUNCIL**Course Information**

Date Submitted: 1/11/2016

Current Prefix and Number: TOX - Toxicology , TOX 790 RESEARCH IN TOXICOLOGY

Other Course:

Proposed Prefix and Number: TOX 790

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: MEDICINE

b. Department/Division: Graduate Center For Toxicology

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: Isabel Mellon

Email: mellon@uky.edu

Phone: 859-257-6253

Responsible Faculty ID (if different from Contact)

Name:

Email:

Phone:

f. Requested Effective Date

Semester Following Approval: No OR Effective Semester: Spring, 2016

2. Designation and Description of Proposed Course

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

b. Full Title: RESEARCH IN TOXICOLOGY

Proposed Title: RESEARCH IN TOXICOLOGY and Cancer Biology

c. Current Transcript Title: RESEARCH IN TOXICOLOGY

Proposed Transcript Title: RESEARCH IN TOXICOLOGY AND CANCER BIOLOG

d. Current Cross-listing: none

Proposed – ADD Cross-listing :

Proposed – REMOVE Cross-listing:

e. Current Meeting Patterns

Proposed Meeting Patterns

LABORATORY: laboratory

f. Current Grading System: Graduate School Grade Scale

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

g. Current number of credit hours: 1 - 4 (variable)

Proposed number of credit hours: 1-6

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: 18

If Yes: Will this course allow multiple registrations during the same semester? No

2i. Current Course Description for Bulletin: Research in Toxicology

Proposed Course Description for Bulletin: Research in Toxicology and Cancer Biology. Research will be conducted in specific areas of toxicology and cancer biology. Learning Outcomes: 1. Conduct independent, hypothesis driven research; 2. Demonstrate the ability to read, understand and apply the scientific literature that is relevant to the research activities; 3. Demonstrate the ability to develop original hypotheses, develop strategies and design experiments to test hypotheses; 4. Demonstrate competency in the collection, analysis and interpretation of data that is relevant to the research activities.

2j. Current Prerequisites, if any:

Proposed Prerequisites, if any: Consent of Director of Graduate Studies

2k. Current Supplementary Teaching Component:

Proposed Supplementary Teaching Component:

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:

SIGNATURE|MARYV|Mary V Iwamoto|TOX 790 CHANGE Dept Review|20140606
SIGNATURE|MRWH224|Melissa R Wilkeson|TOX 790 CHANGE College Review|20140801
SIGNATURE|ZNNIKO0|Roshan Nikou|TOX 790 CHANGE Graduate Council Review|20141024
SIGNATURE|JEL224|Janie S Ellis|TOX 790 CHANGE Senate Council Review|20141222
SIGNATURE|MARYV|Mary V Iwamoto|TOX 790 CHANGE Dept Review|20150611
SIGNATURE|DDBEAT1|Dorcas D Beatty|TOX 790 CHANGE College Review|20150812
SIGNATURE|MARYV|Mary V Iwamoto|TOX 790 ZCOURSE_CHANGE Approval Returned to Dept|20160111
SIGNATURE|ZNNIKO0|Roshan Nikou|TOX 790 CHANGE Graduate Council Review|20160111
SIGNATURE|ZNNIKO0|Roshan Nikou|TOX 790 CHANGE Graduate Council Review|20160112

Course Change Form

<https://myuk.uky.edu/sap/bc/soap/rfc?services=>

Open in full window to print or save

Generate R

Attachments:

Browse...	
Upload File	
ID	Attachment
Delete 6077	TOX 790 syllabus.docx
<input type="button" value="First"/> 1 <input type="button" value="Last"/>	

NOTE: Start form entry by choosing the Current Prefix and Number (*denotes required fields)

Current Prefix and Number:	TOX - Toxicology TOX 790 RESEARCH IN TOXICOLOGY	Proposed Prefix & Number: (example: PHY 401G) <input checked="" type="checkbox"/> Check if same as current	TOX 790
* What type of change is being proposed?		<input checked="" type="checkbox"/> Major Change <input type="checkbox"/> Major - Add Distance Learning <input type="checkbox"/> Minor - change in number within the same hundred series, exc: 799 is the same "hundred series" <input type="checkbox"/> Minor - editorial change in course title or description which doe: change in content or emphasis <input type="checkbox"/> Minor - a change in prerequisite(s) which does not imply a char: course content or emphasis, or which is made necessary by the el: or significant alteration of the prerequisite(s) <input type="checkbox"/> Minor - a cross listing of a course as described above	
Should this course be a UK Core Course? <input type="radio"/> Yes <input checked="" type="radio"/> No If YES, check the areas that apply:			
<input type="checkbox"/> Inquiry - Arts & Creativity <input type="checkbox"/> Composition & Communications - II <input type="checkbox"/> Inquiry - Humanities <input type="checkbox"/> Quantitative Foundations <input type="checkbox"/> Inquiry - Nat/Math/Phys Sci <input type="checkbox"/> Statistical Inferential Reasoning <input type="checkbox"/> Inquiry - Social Sciences <input type="checkbox"/> U.S. Citizenship, Community, Diversity <input type="checkbox"/> Composition & Communications - I <input type="checkbox"/> Global Dynamics			
1. General Information			
a.	Submitted by the College of: MEDICINE	Submission Date:	1/11/2016
b.	Department/Division:	Graduate Center For Toxicology	
c.*	Is there a change in "ownership" of the course? <input type="radio"/> Yes <input checked="" type="radio"/> No If YES, what college/department will offer the course instead? Select...		
e.*	* Contact Person Name:	Isabel Mellon	Email: mellon@uky.edu Phone: 859-257-6253
	* Responsible Faculty ID (if different from Contact):		Email: Phone:
f.*	Requested Effective Date:	<input type="checkbox"/> Semester Following Approval	OR <input type="checkbox"/> Specific Term: ² Spring, 2016
2. Designation and Description of Proposed Course.			
a.	Current Distance Learning(DL) Status:	<input checked="" type="radio"/> N/A <input type="radio"/> Already approved for DL* <input type="radio"/> Please Add <input type="radio"/> Please Drop	
*If already approved for DL, the Distance Learning Form must also be submitted unless the department affirms (by checking this box) that the proposed chan: affect DL delivery.			
b.	Full Title:	RESEARCH IN TOXICOLOGY	Proposed Title: * RESEARCH IN TOXICOLOGY and Cancer Biology
c.	Current Transcript Title (if full title is more than 40 characters):	RESEARCH IN TOXICOLOGY	
c.	Proposed Transcript Title (if full title is more than 40 characters):	RESEARCH IN TOXICOLOGY AND CANCER BIOLOG	
d.	Current Cross-listing:	<input checked="" type="checkbox"/> N/A	OR <input type="checkbox"/> Currently ³ Cross-listed with (Prefix & Number): none

Proposed – ADD ² Cross-listing (Prefix & Number):					
Proposed – REMOVE ^{2,4} Cross-listing (Prefix & Number):					
e. Courses must be described by at least one of the meeting patterns below. Include number of actual contact hours⁵ for each meeting pattern					
Current:	Lecture	Laboratory ⁵	Recitation	Discussion	Indep. Stud.
	Clinical	Colloquium	Practicum	Research	Residency
	Seminar	Studio	Other	Please explain:	
Proposed: *	Lecture	Laboratory ⁵ laboratory	Recitation	Discussion	Indep. Stud.
	Clinical	Colloquium	Practicum	Research	Residency
	Seminar	Studio	Other	Please explain:	
f. Current Grading System:		Graduate School Grade Scale			
Proposed Grading System:*		<input checked="" type="radio"/> Letter (A, B, C, etc.) <input type="radio"/> Pass/Fail <input type="radio"/> Medicine Numeric Grade (Non-medical students will receive a letter grade) <input type="radio"/> Graduate School Grade Scale			
g. Current number of credit hours:	1 - 4 (variable)	Proposed number of credit hours:*	1-6		
h.* Currently, is this course repeatable for additional credit?					<input checked="" type="radio"/> Yes <input type="radio"/> N
* Proposed to be repeatable for additional credit?					<input checked="" type="radio"/> Yes <input type="radio"/> N
If YES:	Maximum number of credit hours:			18	
If YES:	Will this course allow multiple registrations during the same semester?				<input type="radio"/> Yes <input checked="" type="radio"/> N
i. Current Course Description for Bulletin:					
Research in Toxicology					
* Proposed Course Description for Bulletin:					
Research in Toxicology and Cancer Biology. Research will be conducted in specific areas of toxicology and cancer biology. Learning Outcomes: 1. Conduct independent, hypothesis driven research; 2. Demonstrate the ability to read, understand and apply the scientific literature that is relevant to the research activities; 3. Demonstrate the ability to develop original hypotheses, develop strategies and design experiments to test hypotheses; 4. Demonstrate competency in the collection, analysis and interpretation of data that is relevant to the research activities.					
j. Current Prerequisites, if any:					
* Proposed Prerequisites, if any:					
Consent of Director of Graduate Studies					
k. Current Supplementary Teaching Component, if any:				<input type="radio"/> Community-Based Experience <input type="radio"/> Service Learning <input type="radio"/> Both	

	Proposed Supplementary Teaching Component:	<input type="radio"/> Community-Based Experience <input type="radio"/> Service Learning <input type="radio"/> Both <input type="radio"/> No Change
3.	Currently, is this course taught off campus?	<input type="radio"/> Yes <input checked="" type="radio"/> N
*	Proposed to be taught off campus?	<input type="radio"/> Yes <input checked="" type="radio"/> N
	If YES, enter the off campus address:	
4.*	Are significant changes in content/student learning outcomes of the course being proposed?	<input type="radio"/> Yes <input checked="" type="radio"/> N
	If YES, explain and offer brief rationale:	
5.	Course Relationship to Program(s).	
a.*	Are there other depts and/or pgms that could be affected by the proposed change?	<input type="radio"/> Yes <input checked="" type="radio"/> N
	If YES, identify the depts. and/or pgms:	
b.*	Will modifying this course result in a new requirement ² for ANY program?	<input type="radio"/> Yes <input checked="" type="radio"/> N
	If YES ² , list the program(s) here:	
6.	Information to be Placed on Syllabus.	
a.	<input type="checkbox"/> Check box if changed to 400G or 500.	If changed to 400G- or 500-level course you must send in a syllabus and you <i>must include the differentiation</i> between under and graduate students by: (i) requiring additional assignments by the graduate students; and/or (ii) establishing different gra in the course for graduate students. (See SR 3.1.4.)

¹See comment description regarding minor course change. *Minor changes are sent directly from dean's office to Senate Council Chair.* If Chair deems the change as "not minor," the form will be appropriate academic Council for normal processing and contact person is informed.

²Courses are typically made effective for the semester following approval. No course will be made effective until all approvals are received.

³Signature of the chair of the cross-listing department is required on the Signature Routing Log.

⁴Removing a cross-listing does not drop the other course – it merely unlinks the two courses.

⁵Generally, undergrad courses are developed such that one semester hr of credit represents 1 hr of classroom meeting per wk for a semester, exclusive of any lab meeting. Lab meeting generally least two hrs per wk for a semester for 1 credit hour. (See SR 5.2.1.)

⁶You must also submit the Distance Learning Form in order for the course to be considered for DL delivery.

⁷In order to change a program, a program change form must also be submitted.

TOX 790: Research in Toxicology and Cancer Biology

Course Director

Isabel Mellon, Ph.D.
Associate Professor
Director of Graduate Studies
Department of Toxicology and Cancer Biology
108 Combs Building
University of Kentucky 40536
mellon@uky.edu

Office Hours: by appointment

Course Description: Research will be conducted in specific areas of toxicology and cancer biology.

Learning Outcomes:

1. Conduct independent, hypothesis driven research
2. Demonstrate the ability to read, understand and apply the scientific literature that is relevant to the research activities
3. Demonstrate the ability to develop original hypotheses, develop strategies and design experiments to test hypotheses.
4. Demonstrate competency in the collection, analysis and interpretation of data that is relevant to the research activities.

Grading: Grading will be assigned each semester by the course director based on the student's performance in consultation with the mentoring faculty member. Letter grades will be assigned based on the student's performance in the following areas: ability to communicate and ask questions of mentor and peers; ability to carry out complex laboratory protocols, organize data, keep records, etc.; ability to arrive on time, keep appointments with mentor and peers; ability to work independently; ability to analyze the literature and demonstrate intellectual curiosity. Performance and letter grades: Excellent = A, Good=B, Deficient= C, Poor performance in many areas of evaluation = E. Year and levels of experience of student will be taken into consideration for these areas of evaluation.

Attendance Policy

Excused Absences

Students need to notify the professor of absences when possible. *Senate Rules 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 are expected to withdraw from the class if more than 20% of the scheduled time for the semester is missed (excused) per University policy.

Verification of Absences

Students may be asked to verify their absences in order for them to be considered excused. *Senate Rule 5.2.4.2* states that faculty have the right to request “appropriate verification” when students claim an excused absence because of illness, or death in the family. Appropriate notification of absences due to University-related trips is required prior to the absence when feasible and in no case more than one week after the absence.

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/> 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. **Please note:** Any assignment you turn in may be submitted to an electronic database to check for plagiarism.

Academic Accommodation Due to Disability: 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 <http://www.uky.edu/StudentAffairs/DisabilityResourceCenter/register.html> for coordination of campus disability services available to students with disabilities.