

APPLICATION FOR NEW COURSE

1. Submitted by the College of Health Sciences Date: April 1, 2008

Department/Division proposing course: Clinical Sciences/Clinical & Reproductive Sciences

2. Proposed designation and Bulletin description of this course:

a. Prefix and Number RSC 700

b. Title Mammalian Reproduction

\*If title is longer than 24 characters, write a sensible title (24 characters or less) for use on transcripts:

c. Courses must be described by at least one of the categories below. Include the number of actual contact hours per week for each category, as applicable.

- ( ) CLINICAL ( ) COLLOQUIUM ( ) DISCUSSION ( ) LABORATORY (  ) LECTURE  
 ( ) INDEPEND. STUDY ( ) PRACTICUM ( ) RECITATION ( ) RESEARCH ( ) RESIDENCY  
 ( ) SEMINAR ( ) STUDIO ( ) OTHER – Please explain: \_\_\_\_\_

d. Please choose a grading system:  Letter (A, B, C, etc.)  Pass/Fail

e. Number of credit hours: 3

f. Is this course repeatable? YES  NO  If YES, maximum number of credit hours: \_\_\_\_\_

g. Course description:

The course will introduce students to the mammalian reproductive system and its function. The objective is to provide students with knowledge on the anatomy, endocrine regulation and physiology of reproduction.

Comparison of reproductive function will be made among species and the scientific research methods used to investigate these systems will be introduced.

h. Prerequisite(s), if any:

BIO 150 and Bio 152 or consent of the Course Director

i. Will this course be offered through Distance Learning? YES  NO

If YES, please circle one of the methods below that reflects how the majority of the course content will be delivered:

- Internet/Web-based      Interactive video      Extended campus      Kentucky Educational Television (KET/teleweb)      Other

Please describe "Other": \_\_\_\_\_

3. Teaching method:  N/A or  Community-Based Experience  Service Learning Component  Both

4. To be cross-listed as: \_\_\_\_\_  
 Prefix and Number      Signature of chair of cross-listing department

## APPLICATION FOR NEW COURSE

5. Requested effective date (term/year): Fall / 2009
6. Course to be offered (please check all that apply):  Fall  Spring  Summer
7. Will the course be offered every year?  YES  NO  
If NO, please explain: \_\_\_\_\_
8. Why is this course needed?  
Requirement for the curriculum in the proposed Ph.D. program in Reproductive Sciences.
- 
9. a. By whom will the course be taught? Phillip Bridges, Ph.D.
- b. Are facilities for teaching the course now available?  YES  NO  
If NO, what plans have been made for providing them?  
\_\_\_\_\_
10. What yearly enrollment may be reasonably anticipated?  
5-7
11. a. Will this course serve students primarily within the department?  Yes  No
- b. Will it be of interest to a significant number of students outside the department?  YES  NO  
If YES, please explain.  
Students in Ph.D. programs in science, including those enrolled in the IBS program, may elect to take this course.
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12. Will the course serve as a University Studies Program course<sup>†</sup>?  YES  NO  
If YES, under what Area? \_\_\_\_\_  
<sup>†</sup>AS OF SPRING 2007, THERE IS A MORATORIUM ON APPROVAL OF NEW COURSES FOR USP.
13. Check the category most applicable to this course:
- traditional – offered in corresponding departments at universities elsewhere
  - relatively new – now being widely established
  - not yet to be found in many (or any) other universities
14. Is this course applicable to the requirements for at least one degree or certificate at UK?  Yes  No
15. Is this course part of a proposed new program?  YES  NO  
If YES, please name: Ph.D. in Reproductive Sciences
16. Will adding this course change the degree requirements for ANY program on campus?  YES  NO  
If YES<sup>‡</sup>, list below the programs that will require this course:  
\_\_\_\_\_

## APPLICATION FOR NEW COURSE

<sup>3</sup>In order to change the program(s), a program change form(s) must also be submitted.

17.  The major teaching objectives of the proposed course, syllabus and/or reference list to be used are attached.
18.  Check box if course is 400G- or 500-level, *you must include a syllabus showing differentiation for undergraduate and graduate students by (i) requiring additional assignments by the graduate students; and/or (ii) the establishment of different grading criteria in the course for graduate students. (See SR 3.1.4)*

19. Within the department, who should be contacted for further information about the proposed new course?

323-1100 X

Name: Dr. Phillip Bridges Phone: 80844 Email: pbrid2@email.uky.edu

20. Signatures to report approvals:

5-30-08	<i>Terren A. Stoff</i>	<i>[Signature]</i>
DATE of Approval by Department Faculty	printed name	Reported by Department Chair Signature

6/09/08	Sharon Stewart	<i>[Signature]</i>
DATE of Approval by College Faculty	printed name	Reported by College Dean signature

* DATE of Approval by Undergraduate Council	printed name	Reported by Undergraduate Council Chair signature
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12/03/08	Blum Jankal	<i>[Signature]</i>
* DATE of Approval by Graduate Council	printed name	Reported by Graduate Council Chair signature

7/15/08	Hedi Anderson	<i>[Signature]</i>
* DATE of Approval by Health Care Colleges Council (HCCC)	printed name	Reported by Health Care Colleges Council Chair signature

* DATE of Approval by Senate Council	Reported by Office of the Senate Council	
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* DATE of Approval by University Senate	Reported by Office of the Senate Council	
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\*If applicable, as provided by the *University Senate Rules*. (<http://www.uky.edu/USC/New/RulesandRegulationsMain.htm>)

## Syllabus: Mammalian Reproduction

**Course title:** Mammalian Reproduction (3 credit hrs)

**Departmental/college code:** RSC

**Numerical designation and section number:** 700-001

**Scheduled meeting day(s), time and place:** (2 x 1.5 h / week); TBA

**Coordinators:**

Phillip Bridges, Ph.D.	Doris J. Baker, Ph.D.
Div. of Clinical and Reproductive Sciences	
Email: <a href="mailto:pbrid2@email.uky.edu">pbrid2@email.uky.edu</a>	<a href="mailto:dbake0@uky.edu">dbake0@uky.edu</a>
Ph: 323 1100 x 80844	859-323-1100 X 80854
Office hours: 9 am to 6 pm (M to F; appointment required by Email)	

**Instructors:** Dr. Phillip Bridges, Course Director

**Prerequisites:** BIO150 and BIO152 or by consent of the Course Director.

**Course Description:** This course will introduce students to the mammalian reproductive system and its function.

**Objectives:** To provide students with knowledge on the anatomy, endocrine regulation and physiology of reproduction. Comparison of reproductive function will be made between species and the scientific research methods used to investigate these systems will be introduced.

By the end of the course, the student will demonstrate that he/she will/can understand and explain:

- 1) The anatomy of the male and female reproductive systems.
- 2) The hormonal regulation of reproductive processes, including follicular development, ovulation, pregnancy and parturition.
- 3) Comparative reproductive physiology between humans and other species.
- 4) Reproductive manipulations designed to either increase or decrease fertility, both in humans and other species.

**Evaluation:** Two exams each worth 100 points each and one oral presentation worth 50 points. Exams will include short answers and essay based questions that may be based on scientific interpretation. Oral presentations (30 mins/student) will take place during the 2<sup>nd</sup> half of the semester. Participation and attendance records will be evaluated by the coordinators to determine whether any requested make-up opportunity is allowed.

### Grading:

Exam 1	40%
Exam 2	40%
Oral presentation	20%

### Grading Scale

90-100%	A
80-89%	B
70-79%	C
below 70%	E

**University Policies:**

**Excused absences:** Acceptable reasons for excused absences are listed in *Student's rights and Responsibilities, Section 5.2.4.2*. Briefly, these include serious illness, illness or death of someone in the student's immediate family, University sponsored trips, major religious holidays, and other circumstances the instructor finds reasonable. NOTE: If you intend to be absent to observe a major religious holiday, you must notify Dr. Bridges Dr. Stewart *in writing* two weeks prior to the upcoming date.

When there is an excused absence, you will be given the opportunity to make up missed work and/ or exams. It is the student's responsibility to inform the instructor of the absence, preferably in advance, but no later than one week after the absence.

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 immediate family. The University Health Services (UHS) will no longer give excuses for absences from class due to illness or injury. UHS forms can be date stamped to show that students went to the trouble of going to University Health Service, but it does not mean that students actually saw a physician or a nurse. If the faculty member wants further verification that a student kept an appointment with University Health Services (especially when there have been multiple or prolonged absences from class), the student will need to sign a release of information form (available from UHS) that will give permission for the staff to talk with the faculty member.

**Inclement weather:** In case of inclement weather or emergencies, class will be held unless the University administration cancels classes. For University closing of classes and offices, call the UK Infoline at 257-5684 or check UKTV Cable Channel 16. Students should use their judgment about coming to class.

**Cheating and plagiarism:** Descriptions of what constitutes cheating and plagiarism are found in *Student Rights and Responsibilities, Sections 6.3.1 and 6.3.2*. Be aware that the minimum consequence for either offense is an "E" in the course. Suspension and dismissal from the University are also options.

**Classroom and Learning Accommodations:** Instructors will make reasonable accommodations for physical and/or learning disabilities that could inhibit student academic success. The Disability Resource Center certifies the need for and specifies the particular type of such accommodations on a student-by-student basis. Students seeking accommodations must submit this certification to the faculty. Contact the Center staff at 257-2754.

**Writing Skills:** Helping promote scholarship is more than simply teaching the subject matter -- all students need to improve and refine their skills in verbal and written expression. Regardless of discipline, faculty have the right -and the obligation- to expect students to use English properly in all aspects of the course (S.R.5.2.4.3). Instructors may ask students to rewrite papers, make writing style one of the grading criteria, and report a seriously deficient student to his/her college for remedial work.

### Tentative Schedule of classes

<i>Period</i>	<i>Date</i>	<i>Topic</i>	<i>Reading</i>
1		Course introduction and brief history of the science of reproductive physiology	N/A
2		Hormonal signaling and feedback	TBA
3		Male reproductive anatomy and function	TBA
4		Spermatogenesis	TBA
5		Female reproductive anatomy and function	TBA
6		Follicular growth and function	TBA
7		Exam 1	
8		The estrous and menstrual cycles	TBA
9		Gamete interaction and embryo development	TBA
10		Establishment and recognition of pregnancy	TBA
11		Placental formation and function	TBA
12		Parturition	TBA
13		Reproductive technology (women)	TBA
14		Reproductive management (animals)	TBA
15		Review	

**Nikou, Roshan**

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**From:** Pauly, Jim  
**Sent:** Monday, December 01, 2008 3:52 PM  
**To:** Nikou, Roshan  
**Cc:** Spear, Brett  
**Subject:** FW: RSC700  
**Attachments:** Syl RSC 700 Mamm Repro Bridges Baker revised.doc

Roshan – I think RSC700 can be added to the agenda for Thursday (as long as Brett is OK with the changes – I have to teach on Thursday afternoon, so can not attend the meeting). The questions I had on this course are below, and they have all been addressed by Dr. Bridges. The revised syllabus is attached. Please let me know if I need to do anything else.

I have also emailed inquiries for CPH615 and EPI715, that I hope to hear back on by tomorrow.

I am OK with dropping RHB740/750/760.

Please let me know ASAP if there is anything I am missing, or if there is something additional I need to take care of. Thanks, j

----- Forwarded Message

**From:** "Bridges, Phillip" <[pbrid2@email.uky.edu](mailto:pbrid2@email.uky.edu)>  
**Date:** Mon, 1 Dec 2008 14:01:33 -0500  
**To:** "Pauly, Jim" <[jim.pauly@uky.edu](mailto:jim.pauly@uky.edu)>  
**Cc:** "Spear, Brett" <[bspear@uky.edu](mailto:bspear@uky.edu)>, "Baker, Doris" <[dbake0@email.uky.edu](mailto:dbake0@email.uky.edu)>, "Gorman, Linda S" <[lsgorm0@email.uky.edu](mailto:lsgorm0@email.uky.edu)>  
**Subject:** RE: RSC700

Jim,

I will address each of your questions below. You will also find these changes in the revised syllabus that is attached.

1. *It seems strange to have UK undergraduate courses listed as prerequisites for this course. Are graduate students going to be required to take Bio 150, and 152? Tuition scholarships for graduate students typically do not allow them to take undergraduate courses. Just saying good standing in the grad program, and instructor consent may be easier.*

We have changed the prerequisite section to read:  
Good standing in the graduate program and consent of the Course Director

2. *Are there any required course materials (textbooks, etc.)?*

No

3. *The role of attendance and class participation is fairly unclear. There is a lot of verbiage about excused absences, but attendance policies are not evident.*

We have modified the appropriate section to clarify expected attendance. It now reads:

**Attendance and excused absences:** With the exception of excused absences, students are expected to attend all scheduled classes. Acceptable reasons for excused absences are listed in *Student's rights and Responsibilities, Section 5.2.4.2*. Briefly, these include serious illness, illness or death of someone in the student's immediate family, University sponsored trips, major religious holidays, and other circumstances the instructor finds reasonable. NOTE: If you intend to be absent to observe a major religious holiday, you must notify Dr. Bridges in writing two weeks prior to the upcoming date.

We also noted a typo in the first paragraph of *Excused Absences* and corrected it.

4. *There is no information about the scheduling of Exam 2 on the schedule of classes.*

We have added Period 16 (Exam 2) to the tentative schedule of classes (table).

5. *You have included some detailed information regarding writing skills that I have not seen before on a syllabus. With 2 exams, and one oral presentation am not sure what the writing requirements in the course are. Will students lose credit on exams for poor writing skills?*

Because exams will include essay type questions, students must have the ability to relate the information to the instructors in a manner that they can understand.

Therefore, to a certain degree, grades will be affected by their ability to communicate the material. We can change the wording if needed, it now reads:

**Writing Skills:** Helping promote scholarship is more than simply teaching the subject matter -- all students need to improve and refine their skills in verbal and written expression. Regardless of discipline, faculty have the right -and the obligation- to expect students to use English properly in all aspects of the course (S.R.5.2.4.3). Instructors may make writing style one of the grading criteria, and report a seriously deficient student to his/her college for remedial work.

Please let me know if I can provide any further information.

Thanks,

Phillip

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Phillip Bridges, Ph.D.

Assistant Professor

Division of Clinical and Reproductive Sciences

College of Health Sciences

124B Charles T. Wethington Building



900 South Limestone Street

Lexington, KY 40536-0200

Email: [pbrid2@email.uky.edu](mailto:pbrid2@email.uky.edu)

Phone: 859.323.1100 ext 80844

Fax: 859.323.8957

-----Original Message-----

From: Pauly, Jim

Sent: Monday, December 01, 2008 10:48 AM

To: Bridges, Phillip

Cc: Spear, Brett

Subject: RSC700

Dr. Bridges - I am a member of the Graduate Council and responsible for reviewing the EPI715 application for a new course. In general the application is very straightforward. But I do have a couple of small questions that I hope you can help me out on.

1. It seems strange to have UK undergraduate courses listed as prerequisites for this course. Are graduate students going to be required to take Bio 150, and 152? Tuition scholarships for graduate students typically do not allow them to take undergraduate courses. Just saying good standing in the grad program, and instructor consent may be easier.
2. Are there any required course materials (textbooks, etc.)?
3. The role of attendance and class participation is fairly unclear. There is a lot of verbiage about excused absences, but attendance policies are not evident.
4. There is no information about the scheduling of Exam 2 on the schedule of classes.
5. You have included some detailed information regarding writing skills that I have not seen before on a syllabus. With 2 exams, and one oral presentation am not sure what the writing requirements in the course are. Will students lose credit on exams for poor writing skills?

Those are the only questions I have. If you can get back to me by the end of the day tomorrow, we should be able to take care of this at our meeting later this week. Thanks a lot. J

----- End of Forwarded Message