

## 1. General Information

1a. Submitted by the College of: MEDICINE

Date Submitted: 5/16/2013

1b. Department/Division: Integrated Biomedical Sciences

1c. Contact Person

Name: Brett T. Spear

Email: [bspear@uky.edu](mailto:bspear@uky.edu)

Phone: 257-5167

Responsible Faculty ID (if different from Contact)

Name:

Email:

Phone:

1d. Requested Effective Date: Specific Term/Year <sup>1</sup> Fall 2013

1e. Should this course be a UK Core Course? No

## 2. Designation and Description of Proposed Course

2a. Will this course also be offered through Distance Learning?: No

2b. Prefix and Number: IBS 608

2c. Full Title: Special Topics in Integrated Biomedical Sciences

2d. Transcript Title: Special Topics in IBS

2e. Cross-listing:

2f. Meeting Patterns

LECTURE: 30

2g. Grading System: Letter (A, B, C, etc.)

2h. Number of credit hours: 2

2i. Is this course repeatable for additional credit? No

If Yes: Maximum number of credit hours:

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

- 2j. Course Description for Bulletin: IBS 608 is comprised of a series of 1/2 credit minicourses, each meeting for 1 hour/week for 7 weeks, that will be taught during the Spring semester. Each minicourse will focus on a specific topic or area of research that is ongoing at UK or is particularly timely/exciting. Each student is required to participate in 4 of these minicourses for a total of 2 credit hours during the semester. Up to ten minicourses will be offered each semester. The particular topics (and participating faculty) may vary from year to year. Students will be expected to sign up for 6 courses in order of preference and will be assigned to 4 minicourses.
- 2k. Prerequisites, if any: Students enrolled in IBS and have taken IBS601 and IBS602 can participate in this course. Non-IBS students can participate with permission of the Course Director. A strong background in molecular biology, biochemistry and chemistry (including organic chemistry) is highly recommended.
- 2l. Supplementary Teaching Component:
3. Will this course taught off campus? No  
If YES, enter the off campus address:
4. Frequency of Course Offering: Spring,  
Will the course be offered every year?: Yes  
If No, explain:
5. Are facilities and personnel necessary for the proposed new course available?: Yes  
If No, explain:
6. What enrollment (per section per semester) may reasonably be expected?: 20-25 studnets
7. Anticipated Student Demand  
Will this course serve students primarily within the degree program?: Yes  
Will it be of interest to a significant number of students outside the degree pgm?: No  
If Yes, explain: [var7InterestExplain]
8. Check the category most applicable to this course: Not Yet Found in Many (or Any) Other Universities ,  
If No, explain:
9. Course Relationship to Program(s).  
a. Is this course part of a proposed new program?: No  
If YES, name the proposed new program:  
b. Will this course be a new requirement for ANY program?: Yes  
If YES, list affected programs: Integrated Biomedical Sciences (IBS) graduate program
10. Information to be Placed on Syllabus.  
a. Is the course 400G or 500?: No

b. The syllabus, including course description, student learning outcomes, and grading policies (and 400G-/500-level grading differentiation if applicable, from **10.a** above) are attached: **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|MRWH224|Melissa R Wilkeson|College approval for ZCOURSE\_NEW IBS 608|20130225

SIGNATURE|JDLIND2|Jim D Lindsay|HCCC approval for ZCOURSE\_NEW IBS 608|20130308

SIGNATURE|ZNNIKO0|Roshan N Nikou|Graduate Council approval for ZCOURSE\_NEW IBS 608|20130326

SIGNATURE|WF-BATCH|Batch User|Reminder for minor course work item|20130502

SIGNATURE|MRWH224|Melissa R Wilkeson|IBS 608 NEW College Review|20130403

**IBS 608**  
**Special Topics in IBS**  
**SYLLABUS**  
**Spring 2014**

***A. PARTICIPATING FACULTY***

**Course Director:**

Brett Spear, Professor  
Dept. of Microbiology, Immunology & Molecular Genetics  
Combs 208  
(859) 257-5167  
[bspear@uky.edu](mailto:bspear@uky.edu)

*Additional faculty from the seven IBS-affiliated PhD programs will participate in courses and serve as directors of mini-courses.*

***B. OFFICE HOURS***

The Course Director and participating faculty will be available for consultation. Students are encouraged to consult with all participating faculty as needed. Students are strongly encouraged to schedule an appointment with faculty by email or phone to set up an appointment since specific office hours are not always established.

***C. COURSE DESCRIPTION***

IBS 608 is a special topics course comprised of a series of ½ credit mini-courses, each meeting for 1 hour/week for 7 weeks, that will be taught during the Spring semester. Each mini-course will focus on a specific topic or area of research that is ongoing at UK or is particularly timely/exciting. Each student is required to participate in 4 of these ½ credit mini-courses for a total of 2 credit hours during the semester. This format will allow students to explore particular topics or research areas in-depth during their first year of graduate school and help identify opportunities for future dissertation research.

Up to ten mini-courses will be offered each semester; these courses will be taught by faculty in each of the seven departments participating in the IBS program (Anatomy & Neurobiology; Microbiology, Immunology & Molecular Genetics; Graduate Center for Toxicology; Graduate Center for Nutritional Sciences; Molecular and Biomedical Pharmacology; Molecular and Cellular Biochemistry; Physiology). Topics in each mini-course may be specific to a particular department or extend across departments. The particular topics (and participating faculty) may vary from year to year, depending on student/faculty interests and timely/exciting discoveries in particular areas of biomedical sciences.

Mini-course topics will be posted on Blackboard prior to Nov. 1 of the preceding Fall semester. Students will be expected to sign up for 6 courses in order of preference and will be assigned to 4 mini-courses. Every effort will be made to accommodate each student's request for his/her top 4 choices. However, a particular mini-course may not be offered if fewer than 4 students are signed up. While some mini-courses will be offered during the first half of the semester and others offered in the second half, students may sign up for whichever courses they prefer regardless of when they are offered.

***D. OBJECTIVES/STUDENT LEARNING OUTCOMES***

The primary objectives of this course are to help students: (1) explore a specific research topic in-depth; (2) learn methodologies in areas of research that are being investigated at UK; (3) learn of a novel and/or exciting research finding with biomedical implications, and (4) read papers and discuss topics in a small-group setting.

## ***E. COURSE SCHEDULE***

Each mini-course will meet for 1 hour/week for a total of 7 weeks, with five mini-courses offered during the first half of the semester and the other five during the second half of the semester. The time of each mini-course will be listed on blackboard. Mini-courses will meet between 1:00 – 1:50 PM, 2:00 – 2:50 PM or 3:00 – 3:50 PM on Mondays and 1:00 – 1:50 PM or 2:00 – 2:50 PM on Wednesdays.

## ***F. CLASS ATTENDANCE***

Attendance is mandatory. While students will be excused for justifiable reasons (i.e., illness, death in family, religious holidays as defined in Senate Rule 5.2.4.2), the student is expected to alert the Course Director, as well as the Mini-course Director, of any absence prior to the missed class. Attendance will be monitored and unexcused absences may result in a lower final grade (See I below).

## ***G. COURSE MATERIALS***

There is no required textbook for this course. Materials (readings, papers, problem sets, powerpoint presentations) will be made available through blackboard (see <https://elearning.uky.edu/>).

## ***H. PREREQUISITES***

Students enrolled in IBS and have taken IBS601 and IBS602 can participate in this course. Non-IBS students can enroll with permission of the Course Director. A strong background in molecular biology, biochemistry and chemistry (including organic chemistry) is highly recommended.

## ***I. GRADING AND ATTENDANCE POLICIES***

Grades in each mini-course will be based on the following criteria, although the weight of each criterion may differ from mini-course to mini-course as shown:

Attendance and Class Participation: 40% - 50%

Homework Assignments: 20% - 30%

Final Exam/Project 20% - 30%

Unexcused absences may result in a lower grade (a maximum of 5% drop for each unexcused absence). Students who do not turn in assignments on time or do not complete the final exam/project due to an unexcused absence will receive a “0” grade for the missed work. Students who miss work due to an excused absence will be expected to make-up the assignment or exam as soon as possible and as allowed under University regulations.

Since each student is required to participate in 4 mini-courses, the grade for each mini-course will account 25% of the final grade. For example, if a student earns grades of 80% in two mini-courses and 90% in one mini-course and a 94% in one mini-course, the final grade will be  $[(80 \times 2) + 90 + 94]/4 = 86\%$ . The grading standards employed are listed below and students who perform in these ranges will be guaranteed to receive the indicated grades:

**A: 90-100%**

**B: 80-89%**

**C: 70-79%**

**E: below 70%**

Depending on the performance of the class as a whole, some adjustments (curving) **may** take place on the final cumulative semester grade. Graduate students will not receive a grade of "D" but instead will receive a failing "E" mark for an average under 70%.

**Incompletes:** An incomplete grade due to illness or other emergencies can be arranged. A request for an incomplete due to illness must be accompanied by a letter from your doctor, the Student Health Service, or a hospital. Insufficient time to complete assigned work, or other reasons not relating to unavoidable excused absences, will not be accepted as a valid reason for petitioning for an incomplete. No incompletes will be given unless you have a prior written agreement with the instructor BEFORE the end of classes. An "I" grade will not be assigned to students who are absent, miss assignments and/or do not complete the final exam/project.

#### ***J. ACADEMIC HONESTY and INTEGRITY***

Cheating, plagiarism, falsification or misuse of data are not allowed by the University of Kentucky, and exceptions to this policy will not be tolerated. It is the responsibility of the student to become familiar with the rules of academic dishonesty as outlined in the Code of Student Rights and Responsibilities (<http://www.uky.edu/Ombud>). The course director reserves the right to assign a zero for assignment when cheating occurs, and ignorance of these guidelines is not a defensible position against these rules.

Part II of *Student Rights and Responsibilities* (<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.

#### ***K. ACCOMODATIONS***

If you have a documented disability that requires academic accommodations, please see the Course Director as soon as possible during scheduled office hours. In order to receive accommodations in this course, a Letter of Accommodation must be provided from the Disability Resource Center (Room 2, Alumni Gym, 257-2754, email address: [jkarnes@email.uky.edu](mailto:jkarnes@email.uky.edu)) for coordination of campus disability services available to students with disabilities.

#### ***L. INCLEMENT WEATHER***

The University of Kentucky has a detailed policy for decisions to close in inclement weather. The snow policy is described in detail at [http://www.uky.edu/PR/News/severe\\_weather.htm](http://www.uky.edu/PR/News/severe_weather.htm) or you can call (859) 257-5684. In general, the University is not closed for severe weather, but the instructor may decide to cancel the class, in which case, s/he will post this information on Blackboard at <https://elearning.uky.edu/webapps/portal/frameset.jsp>

#### ***M. SCHEDULE***

Each mini-course will consist of seven one-hour sessions/week during a seven week period, either the first half of the second half of the semester. The content of sessions for each mini-course will vary and will be distributed to the students no later than the first day of classes.