

1. General Information

1a. Submitted by the College of: AGRICULTURE, FOOD AND ENVIRONMENT

Date Submitted: 10/6/2014

1b. Department/Division: Veterinary Science

1c. Contact Person

Name: Ernest Bailey

Email: ebailey@uky.edu

Phone: 859-218-1105

Responsible Faculty ID (if different from Contact)

Name:

Email:

Phone:

1d. Requested Effective Date: Semester following approval

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: VS 597

2c. Full Title: Special Topics in Veterinary Science

2d. Transcript Title:

2e. Cross-listing:

2f. Meeting Patterns

LECTURE:

RESEARCH:

SEMINAR:

OTHER: 3

OTHEREXPLAIN: may be offered in a variety of formats, depending on the subtitled course, need and instructor.

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

2h. Number of credit hours: 1-3

2i. Is this course repeatable for additional credit? Yes

If Yes: Maximum number of credit hours: 12

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SENATE COUNCIL

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

2j. Course Description for Bulletin: Special topical or experimental courses in Veterinary Science for graduate and advanced undergraduate students. Special subtitle required and must be approved by the chair of Veterinary Science. Students may not repeat under the same subtitle. Prereq: Determined by instructor.

2k. Prerequisites, if any: Determined by instructor

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?: No

If No, explain: Offered during Spring or Fall semesters when instructors prepare a new topic in this area

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?: 1 to 12

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?: Yes

If Yes, explain: 1. The impetus for offering a course will be to serve the needs of graduate students in Veterinary Science 2. Students from other programs may be interested in the course including undergrads from Food and Animal Science, and graduate students from Microbiology and Immunology.

8. Check the category most applicable to this course: Traditional – Offered in Corresponding Departments at Universities Elsewhere,

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?: No

If YES, list affected programs:

10. Information to be Placed on Syllabus.

a. Is the course 400G or 500?: Yes

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: Yes

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|MHTR222|Mats H Troedsson|VS 597 NEW Dept Review|20140818

SIGNATURE|LGRABAU|Larry J Grabau|VS 597 NEW College Review|20140821

SIGNATURE|MHTR222|Mats H Troedsson|VS 597 NEW Dept Review|20140819

SIGNATURE|LGRABAU|Larry J Grabau|VS 597 NEW College Review|20141006

SIGNATURE|JMETT2|Joanie Ett-Mims|VS 597 NEW Undergrad Council Review|20141218

SIGNATURE|ZNNIKO0|Roshan Nikou|VS 597 NEW Graduate Council Review|20150206

Courses Request Tracking

New Course Form

https://myuk.uky.edu/sap/bc/soap/fc?services=

[Open in full window to print or save](#)

Generate R

Attachments:

Upload File

| ID | Attachment |
|-------------|--|
| Delete 4208 | VS 597 Sample syllabus - Rev 12_15_14.docx |

1

Select saved project to retrieve...

(*denotes required fields)

1. General Information

a. * Submitted by the College of: Submission Date:

b. * Department/Division:

c.

* Contact Person Name: Email: Phone:

* Responsible Faculty ID (if different from Contact): Email: Phone:

d. * Requested Effective Date: Semester following approval OR Specific Term/Year

e.

Should this course be a UK Core Course? Yes No

If YES, check the areas that apply:

Inquiry - Arts & Creativity Composition & Communications - II

Inquiry - Humanities Quantitative Foundations

Inquiry - Nat/Math/Phys Sci Statistical Inferential Reasoning

Inquiry - Social Sciences U.S. Citizenship, Community, Diversity

Composition & Communications - I Global Dynamics

2. Designation and Description of Proposed Course.

a. * Will this course also be offered through Distance Learning? Yes No

b. * Prefix and Number:

c. * Full Title:

d. Transcript Title (if full title is more than 40 characters):

e. To be Cross-Listed ² with (Prefix and Number):

f. * Courses must be described by at least one of the meeting patterns below. Include number of actual contact hours³ for each meeting pattern type.

| | | | |
|---------------------------------------|--|-------------------------------------|-------------------------------------|
| <input type="checkbox"/> Lecture | <input type="checkbox"/> Laboratory ¹ | <input type="checkbox"/> Recitation | <input type="checkbox"/> Discussion |
| <input type="checkbox"/> Indep. Study | <input type="checkbox"/> Clinical | <input type="checkbox"/> Colloquium | <input type="checkbox"/> Practicum |
| <input type="checkbox"/> Research | <input type="checkbox"/> Residency | <input type="checkbox"/> Seminar | <input type="checkbox"/> Studio |

3 Other If Other, Please explain:

g. * Identify a grading system:

Letter (A, B, C, etc.)

Pass/Fail

Medicine Numeric Grade (Non-medical students will receive a letter grade)

Graduate School Grade Scale

h. * Number of credits:

i. * Is this course repeatable for additional credit? Yes No

If YES: Maximum number of credit hours:

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

j. * Course Description for Bulletin:

Special topical or experimental courses in Veterinary Science for graduate and advanced undergraduate students. Special subtitle required and must be approved by the chair of Veterinary Science. Students may not repeat under the same subtitle. Prereq: Determined by instructor.

k. Prerequisites, if any:

Determined by instructor

l. Supplementary teaching component, if any: Community-Based Experience Service Learning Both3. * Will this course be taught off campus? Yes No

If YES, enter the off campus address:

4. Frequency of Course Offering.

a. * Course will be offered (check all that apply): Fall Spring Summer Winter

b. * Will the course be offered every year? Yes No

If No, explain: Offered during Spring or Fall semesters when instructors prepare a new topic in this c

5. * Are facilities and personnel necessary for the proposed new course available? Yes No

If No, explain:

6. * What enrollment (per section per semester) may reasonably be expected? 1 to 12

7. Anticipated Student Demand.

a. * Will this course serve students primarily within the degree program? Yes No

b. * Will it be of interest to a significant number of students outside the degree pgm? Yes No

If YES, explain:

1. The impetus for offering a course will be to serve the needs of graduate students in Veterinary Science
2. Students from other programs may be interested in the course including undergrads from Food and Animal

8. * Check the category most applicable to this course:

- Traditional – Offered in Corresponding Departments at Universities Elsewhere
 Relatively New – Now Being Widely Established
 Not Yet Found in Many (or Any) Other Universities

9. Course Relationship to Program(s).

a. * Is this course part of a proposed new program? Yes No

If YES, name the proposed new program:

b. * Will this course be a new requirement ^E for ANY program? Yes No

If YES ^E, list affected programs::

10. Information to be Placed on Syllabus.

a. * Is the course 400G or 500? Yes No

If YES, the *differentiation for undergraduate and graduate students must be included* in the information required in 10.b. You must include: (i) identify additional assignments by the graduate students; and/or (ii) establishment of different grading criteria in the course for graduate students. (See SR

b. * The syllabus, including course description, student learning outcomes, and grading policies (and 400G-/500-level grading differentiation if applicable above) are attached.

^E Courses are typically made effective for the semester following approval. No course will be made effective until all approvals are received.
^F The chair of the cross-listing department must sign off on the Signature Routing Log.

In general, undergraduate courses are developed on the principle that one semester hour of credit represents one hour of classroom meeting per week for a semester, exclusive of any laboratory meeting. Laboratory meeting, generally, is two hours per week for a semester for one credit hour. (from SR 5.2.1)

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

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

Rev 8/09

Submit as New Proposal Save Current Changes

Example Syllabus for VS 597

VS 597 Special Topics in Veterinary Science

Subtitle: Equine Infectious Diseases in the Genomic Era

2 Credits

Spring 2014

Genetic adaptations which occur between host populations and pathogens as a consequence of infectious diseases are the subject matter of this course. The approach will be to introduce the fundamentals of genomic analyses, concepts of evolutionary biology, nature of infectious diseases, epidemiology of infectious diseases and discussion of the consequences and potential responses to ensure the health of animal populations. Three major questions will be addressed in discussions of the subject matter of the course:

1. How have interactions with infectious agents shaped the genome of the horse and vice versa?
2. What strategies are used by pathogens to evade the immune system?
3. How might we use this information to protect horses from infectious diseases?

Class Meeting: Thursdays, 8AM - 9:40AM in Room 116 Gluck

Faculty Instructors:

Ernie Bailey; ebailey@uky.edu; 323 Gluck Equine Research Center; 859-218-1105
Udeni Balasuriya, ubalasuriya@uky.edu; 439 Gluck Equine Research Center; 859-218-1124
Peter Timoney, ptimoney@uky.edu; 128E Gluck Equine Research Center; 859-218-1094

Office hours are Wednesdays 2-4 PM or by appointment.

Prerequisites: Biology 148 & 152 and Chemistry 105 & 107 or 104 & 108 or consent of instructor

Communication and Reporting: The course will use Blackboard and email for communication. Students need to consult email accounts daily for information related to the course.

Course Material: There is no textbook for the class. Lecturers will provide assigned reading from chapters in text books, original research articles or review articles that pertain to the topic they are discussing.

The student outcomes include:

- 1) Students will be able to discuss the outcome of infectious disease from the stand point of immunology, pathogen adaptation, evolutionary adaptation by host and epidemiology of diseases.

- 2) Students will be able to discuss disease events at the population level using concepts from epidemiology.
- 3) Students will understand the major issues associated with evolutionary adaptation for the host-pathogen interaction.

Format: Lecture/Discussion will be led by instructor or guest lecturers on topics described in the syllabus. Student will read assignments and participate in discussions

Grading:

Midterms (40%): Two midterm examinations will be conducted, the first covering basic information from lectures and assigned reading about viruses, bacteria, immunology and epidemiology. The subject matter of the second examination will be the material presented by guest lecturers and assigned reading.

Writing Assignments (20%): A one page summary will be written by students following the guest presentations concerning the presentation. A format will be provided with the headings 1) description of the presenter, 2) Nature of the disease under study 3) Theses of the presenter 4) Student's perception, critical comments and questions. The purpose of this report and the basis for grading is to focus attention on the intent of the presenter and foster critical thinking on the topic.

Presentations (10%): At the end of the semester, students will choose a topic, conduct research on published literature and make a 15-20 minute oral presentation then lead a discussion on the topic. The topic should be approved by the course leaders and be related to the subject matter of the course.

Final Examination (20%): A final examination will be given covering information prepared, presented and discussed during classes. A set of 10 essay questions will be prepared and distributed to the students before the examination. Two questions will be selected at random and students will write answers to those two questions. The students are expected to integrate information learned during the semester in answering the questions.

Attendance (10%): A significant part of the class includes participation in discussion with speakers, especially invited speakers.

| | |
|---------------------|-----|
| Midterms | 40% |
| Writing Assignments | 20% |
| Presentation | 10% |
| Final Exam | 20% |
| Attendance | 10% |

Total 100%

| | | |
|-----------------|------------------------------|------------------------------|
| Grading: | <u>Graduate Student</u> | <u>Undergraduate Student</u> |
| | A = $\geq 90\%$ | A = $\geq 85\%$ |
| | B = $\geq 80\%$ & $< 90\%$ | B = $\geq 70\%$ & $< 85\%$ |
| | C = $\geq 70\%$, & $< 80\%$ | C = $\geq 60\%$ & $< 70\%$ |

E = < 70

D = $\geq 50\%$ & < 60%
E = < 50%

Mid-term grades for undergraduate students will be posted in myUK by the deadline established in the Academic Calendar (<http://www.uky.edu/Registrar/AcademicCalendar.htm>)

Accommodations 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 (Room 2, Alumni Gym, 257-2754, email address: jkarnes@email.uky.edu) for coordination of campus disability services available to students with disabilities.

Policy on Absences:

The University of Kentucky recognizes the following as valid reasons for missing class or an exam: (http://www.uky.edu/Ombud/ForStudents_ExcusedAbsences.php)

Excused Absences:

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).

Students are expected to withdraw from the class if more than 20% of the classes scheduled for the semester are missed (excused or unexcused) 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.

Please Note:

No make-up presentations or assignments will be allowed except in the case of an excused absence. A grade of 0 will be given for work missed during un-excused absences. Work for students with an excused absence must be made up within 2 weeks and it is the responsibility of the student to schedule the time.

Academic Ombud Office: The academic Ombud office is an important resource to assist students and faculty resolve points of miscommunication or other issues which arise in connection with classes.

"At the University of Kentucky, the Office of Academic Ombud Services is responsible for assisting students and instructors work through and resolve academic related problems and conflicts. The major arenas of activity for UK's Academic Ombud include both Student Academic Rights and Academic

Offenses. The primary focus of Academic Ombud Services is the process by which decisions are made, and the primary task of the Ombud is to ensure fair policies, processes, and procedures that are equitably implemented. Thus, the Academic Ombud is a neutral party working as an advocate for fairness and equity.” (<http://www.uky.edu/Ombud/index.php>)

Academic Integrity policy:

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).

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

Equine Infectious Diseases in the Genomic Era

VS 597 Special Topics in Veterinary Science
Lecture Schedule (Spring 2014)

(When unforeseen circumstances necessitate changes to the topics and schedule, those will be negotiated with the class and will reflect the nature of the circumstances necessitating the change.)

Based on 14 classes of 100 (from 8:00A – 9:40A every Thursday) minutes (1 class per week semester)

| Date | Discussion/Lecture Topic |
|----------------|--|
| Jan 23: | General Nature of the interaction between pathogen and host – Epidemiological triad, bacteria/virus/parasite/fungal causes, host pathogen interaction, outcome of virus infections (Timoney) |
| Jan 30: | Host defense against infectious agents - nature of the immune system in response to pathogens: identification of the key players – (Adams) |
| Feb 6: | Genetics, Genomics and Evolutionary Interactions between Pathogens and Host (Bailey) |
| Feb 13: | Viruses- A short Introduction (Balasuriya) |
| Feb 20: | Test over subject matter of previous lectures |
| Feb 27: | Invited Speaker: Prof. Dr. Klaus Osterrieder; Cornell University/ University of Berlin |
| Mar 6: | Discussion of paper for second guest |
| Mar 13: | Second invited speaker ** |
| Mar 20: | Spring Break |
| Mar 27: | Third invited speaker ** |
| Apr 3: | Discussion of paper for Fourth Guest |
| Apr 10: | Invited Speaker: Jim MacLachlan; University of California, Davis |
| Apr 17: | Test over the material presented by invited speakers |
| Apr 24: | Student presentations |
| May 1: | Student presentations |
| Final Exam: | May 8 th , 9-11 AM in Room 116 Gluck. |

** Invited speakers will be scientists from other institutions using genomics to investigate a range of equine infectious diseases and the microbiome.

Comment [MG1]: I suggest including a reference list of assigned readings so students will know if these are individual articles or are book chapters.

Comment [EB2]: Thank you for the suggestion. In this particular experimental course, we would make the assignments as we go along in the course depending on the interest and experience of the students. However, I recognize that the nature of reading material should be explicitly identified. For this sample-example, it would be text chapters, original research and review articles. We would not be using instructor generated materials. To make this clear I elaborated on the "no text and assigned reading" part at the beginning of the syllabus.