College/Department/Unit: = ENT 561
Category: = Change
Date_for_Council_Review: =
Recommendation_is: = Approve
Consent_Agenda: = YES
Investigator: = Dexter Speck
E-mail_Address = dfspeck@uky.edu
1__Modifications: = none
2__Considerations: = Application was well-described and clear.
3__Contacts: = none
4__Additional_Information: = The faculty have dropped the lab component which was primarily insect identification. This was felt to be a major deterrent and unimportant for most students taking the course. The change should increase enrollment without detriment to the program.

AnyForm/PHP3 0.1

AnyFormRandomSeqNo: 40181576
August 22, 2005

To: Roshan Nikou  
Graduate Council

From: Dr. Mike Mullen  
Associate Dean for Academic Programs

Re: Entomology 551.

Attached is a proposal for a change to the existing course, ENT 551, Medical Entomology. This course has been approved by the College of Agriculture Undergraduate and Graduate Curriculum Committees. It has also been forwarded to Dr. Kraemer for Undergraduate Council approval. If at all possible, we would like this approved for Fall 2005.

Thank you.
July 17, 2005

MEMO

To: Graduate Curriculum Committee

From: Mike Mullen, Associate Dean

Re: Change Request for ENT 561

Attached is a request from Entomology to change the ENT 561 course. This results in a changed title from “Medical Entomology” to “Insects Affecting Human and Animal Health,” and a change from 4 credits to 3 credits due to dropping the laboratory portion of the course. The instructor has consulted with advisors in Biology, Animal Science, and Veterinary Science and they are in agreement with this change. The laboratory was dropped because it was primarily targeting Entomology students who actually make up a minority of students who take this course.

Please respond with comments and whether you support or oppose this change as soon as possible, but no later than July 29, 2005.
UNIVERSITY OF KENTUCKY
APPLICATION FOR CHANGE IN EXISTING COURSE: MAJOR & MINOR

1. Submitted by College of Agriculture Date 01/19/05
Department/Division offering course Entomology

2. Changes proposed:
   (a) Present prefix & number Ent 561 Proposed prefix & number Ent 561 (no change)
   (b) Present Title Medical Entomology
       New Title Insects Affecting Human and Animal Health
   (c) If course title is changed and exceeds 24 characters (Including spaces), include a sensible title (not to exceed 24 characters) for use on transcripts:
       Insects Affecting Health
   (d) Present credits: 4 Proposed credits: 3
   (e) Current lecture: laboratory ratio 3:1 Proposed: 3:0
   (f) Effective Date of Change: (Semester & Year) Fall 2005

3. To be Cross-listed as:
   Bio 561
   Prefix and Number
   Signature: Department Chair

4. Proposed change in Bulletin description:
   (a) Present description (including prerequisite(s):
   (b) New description:
       Discussion of arthropod parasites and disease vectors. Topics include an overview of disease transmission and public health, epidemiology, vector biology, important arthropod groups and their control.
   (c) Prerequisite(s) for course as changed: Unchanged; remains 'one year of biology'

5. What has prompted this proposal?
   Ent 561 has suffered from low enrollment and was cancelled in the Fall of 2004 since only two students enrolled. The changes are based upon comments from students and advisors in Biology, Entomology, and Vet. Science, representing those most commonly enrolling in the course.

6. If there are to be significant changes in the content or teaching objectives of this course, indicate changes:
The lecture will continue with little change. The laboratory will be dropped. The lab consists primarily of specimen identification, targeting Entomology students. Since Entomology students are a minority of the class and they will receive identification skills in Insect Taxonomy, the lab may be dropped without significant impact on most students. Additional time will be devoted in the lecture time to reviewing key recognition features. The lab section commonly results in scheduling conflicts with Biology, pre-med and pre-vet students, reducing enrollment.

7. What other departments could be affected by the proposed change?

8. Is this course applicable to the requirements for at least one degree or certificate at the University of Kentucky?
   X Yes  No

9. Will changing this course change the degree requirements in one or more programs?*
   If yes, please attach an explanation of the change.*
   X Yes  No

10. Is this course currently included in the University Studies Program?
    If yes, please attach correspondence indicating concurrence of the University Studies Committee.
    X Yes  No

11. If the course is a 100-200 level course, please submit evidence (e.g., correspondence) that the Community College System has been consulted.

   *NOTE: Approval of this change will constitute approval of the program change unless other program modifications are proposed.
UNIVERSITY OF KENTUCKY
APPLICATION FOR CHANGE IN EXISTING COURSE: MAJOR & MINOR

12. If the course is 400G or 500 level, include syllabi or course statement showing differentiation for undergraduate and graduate students in assignments, grading criteria, and grading scales. ☒ Check here if 400G-500.

13. Is this a minor change?
   (NOTE: See the description on this form of what constitutes a minor change. Minor changes are sent directly from the Dean of the College to the Chair of the Senate Council. If the latter deems the change not to be minor, it will be sent to the appropriate Council for normal processing.)
   □ Yes  ☒ No

14. Within the Department, who should be consulted for further information on the proposed course change?
   Name: Stephen L. Dobson  Phone Extension: 7-4902

Signatures of Approval:

[Signature]
Department Chair

[Signature]
Dean of the College

[Signature]
August 22, 2005  Date
August 8, 2005  Date

Date of Notice to the Faculty

Date

**Undergraduate Council

Date

**Graduate Council

Date

**Academic Council for the Medical Center

Date

**Senate Council

Date of Notice to University Senate

Date

**If applicable, as provided by the Rules of the University Senate.

ACTION OTHER THAN APPROVAL

*********

The Minor Change route for courses is provided as a mechanism to make changes in existing courses and is limited to one or more of the following:

a. change in number within the same hundred series;
b. editorial change in description which does not imply change in content or emphasis;
c. editorial change in title which does not imply change in content or emphasis;
d. change in prerequisite which does not imply change in content or emphasis;
e. cross-listing of courses under conditions set forth in item 3.0;
f. correction of typographical errors. [University Senate Rules, Section III - 3.1]

Rev 3/04
REPORT
Due by September 15: Title, Rationale; Describe your reason for wanting to research this area, and its importance to you and others. Include a brief bibliography listing the literature that you have reviewed that is relevant to this or a similar problem.
October 21 - Progress Update: An outline will be provided to the instructor.
November 14 - Written Report Due
Beginning November 24: Oral Presentations

STUDENT PARTICIPATION Class participation will include attendance, participation in class discussions, take home assignments, and quizzes (both announced and unannounced). Except under extreme circumstances (i.e., with instructor's permission), make-up pop quizzes will not be given. Students' lowest pop quiz score will be dropped.

ATTENDANCE Attendance is expected for all class meetings. If a class period is missed, it is the student’s responsibility to acquire notes and assignments distributed on days that were missed. Except for extreme circumstances, there will be no make up examinations. If you must miss a quiz, arrangements must be made with me at least two weeks in advance. If you miss a quiz unexpectedly (e.g., due to illness), you (or someone else) should contact me the day of the quiz to discuss a make-up test. A written excuse from a doctor will be required in the class following the quiz/exam.

S.R. 5.2.4.2 defines the following as acceptable reasons for excused absences: 1) serious illness; 2) illness or death of family member; 3) University-related trips; 4) major religious holidays. 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 for adding a class. Information regarding dates of major religious holidays may be obtained through the religious liaison, Mr. Jake Karnes (257-2754).

CHEATING Unfair practices by students will be penalized. This includes fake doctor’s excuses, cheating on tests, forging a friend’s name on random attendance checks, etc... As prescribed in the University of Kentucky Student Code of Conduct, penalties may include forced withdrawal from the course, suspension, or expulsion.

RECOMMENDED READING (Available at the UKY Library):
Medical Insects and Arachnids; Lane and Crosskey This book is oriented towards Medical Ent.
The Biology of Disease Vectors; B. J. Beaty and W. C. Marquardt This book is oriented towards Medical Ent. Veterinary Entomology; R. Wall and D. Shearer This book is oriented as a “how to” manual for vets.

TOPICS OF DISCUSSION
Introduction / History   Vector Ability   Tabanids/Muscidae
Taxonomy                Host Transmission  Tsetse/Keds
Arthropod Overview      Sandflies/Lesmania  Oestroidea/Myiasis
Arthropod Morphology    Mosquitoes Intro.  Hemiptera/Chaga's Disease
Arthropod Physiology    Anopheles/Malaria  Lice/Typhilus
Parasitism              Aedes/Culex/Yellow Fever Siphonaptera/Plague
Epidemiology            Mosquito           Insects of Minor Medical
Vector Behavior         Arboviruses/Filariaasis Importance
Vector Transmission     Chironomids/Onchocerciasis Ticks and Mites
Insects Affecting Human and Animal Health
ENT/BIO 561

Lectures: Tues/Thurs 3-4:15 pm; S221 Ag North

Instructor: Stephen Dobson
Mailing Address: S-225 Ag, Science Center North
Office Location: S-307D Ag, Science Center North
Office: (859) 257-4902
Lab: (859) 257-5117
Fax: (859) 323-1120

Home Page: http://www.uky.edu/~sdoobson

COURSE DESCRIPTION Study of arthropod vectors of disease. Structure, collection, identification, control measures and life history studies. Given alternate years. Prereq: one year of biology. (Same as BIO 561.)

LEARNING OUTCOMES Upon completion of the course, the student will be able to recognize medically important arthropod pests and disease vectors and arthropod borne pathogens. The student will understand the morphology, physiology, behavior, and ecology of arthropods, and the extrinsic replication/development of pathogens within arthropod vectors. The student will understand important factors that promote pest problems and disease transmission and will be aware of prevention and treatment practices.

CLASS WEB PAGE The class will rely on the student’s ability to use the internet. Students will be required to obtain class notes and assignments from the class web page. Throughout the semester, class assignments, information, and other material will be posted at http://www.uky.edu/~sdoobson.

User name: acedes
Password: albopictus

OFFICE HOURS Students are encouraged to meet with the instructor as needed. Meetings may occur immediately prior to or following the class or by appointment. Arrange for meetings following the class or contact me (email: sdoobson@uky.edu; 257-4902).

GRADING will be based on class participation (10%), two midterm examinations (20% each) and a final examination (25%). Students will also be required to provide a written report (discussed below) that will account for 25% of the course grade.

Note that the written reports will be evaluated and graded differently for graduate and undergraduate students. Graduate student projects should reflect greater effort and depth, commensurate with their educational level.

Grading Scale (Undergraduate Participant) : A ≥90, B ≥80, C ≥70, D ≥60, E < 60
Grading Scale (Graduate Participant) : A ≥90, B ≥80, C ≥70, E < 70

8/25/2005
REPORT
Due by September 15: Title, Rationale; Describe your reason for wanting to research this area, and its importance to you and others. Include a brief bibliography listing the literature that you have reviewed that is relevant to this or a similar problem.
October 20 - Progress Update: An outline will be provided to the instructor.
November 15 - Written Report Due

STUDENT PARTICIPATION  Class participation will include attendance, participation in class discussions, take home assignments, and quizzes (both announced and unannounced). Except under extreme circumstances (i.e., with instructor's permission), make-up pop quizzes will not be given. Students' lowest pop quiz score will be dropped.

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TOPICS OF DISCUSSION
Introduction / History  Vector Ability
Taxonomy  Host Transmission
Arthropod Overview  Sandflies/Leshmania
Arthropod Morphology  Mosquitoes Intro.
Arthropod Physiology  Anopheles/Malaria
Parasitism  Aedes/Culex/Yellow Fever
Epidemiology  Mosquito
Vector Behavior  Arboviruses/Filariasis
Vector Transmission  Chironomids/Onchocerciasis
Tabanids/Muscidae
Tsetse/Keds
Oestroidae/Myiiasis
Hemiptera/Chaga's Disease
Lice/Typhus
Siphonaptera/Plague
Insects of Minor Medical Importance
Ticks and Mites