APPLICATION FOR NEW COURSE

Submitted by the
College of AGRICULTURE Date: 01/01/2010

Department/Division proposing course: PLANT AND SOIL SCIENCES

2. Proposed designation and Bulletin description of this course:
   a. Prefix and Number IPS 610
   b. Title* TRANS-DISCIPLINARY COMMUNICATION IN INTEGRATED PLANT AND SOIL SCIENCES
   *If title is longer than 24 characters, offer a sensible title of 24 characters or less: COMMUNICATION IN IPSS
   c. Courses must be described by at least one of the categories below. Include number of actual contact hours per week.

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

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

   Number of credit hours:

   Is this course repeatable? ☒ NO ☐ If YES, maximum number of credit hours:

   g. Course description:

   A one-credit companion course to IPS 625 specific for graduate students in the Integrated Plant and Soil Sciences program. This course exposes IPSS students to critical skills in publication, grantsmanship, and public presentation. It requires IPSS students to systematically evaluate research presentations from multiple disciplines, present a synthesis of the research topic addressed in IPSS 625, and interact with other members of the college and the university on topics related to plant and soil science issues. The course may be repeated twice.

   h. Prerequisite(s), if any:

   GRADUATE STUDENT STATUS
i. Will this course also be offered through Distance Learning?  
   YES ☐  NO ☒
   If YES, please check one of the methods below that reflects how the majority of
   the course content will be delivered:
   Internet/Web-based ☐  Interactive video ☐  Extended campus ☐

3. Supplementary teaching component:  N/A ☒ or ☐ Community-Based Experience ☐  Service Learning ☐  Both

4. To be cross-listed as:
   Prefix and Number /
   printed name Cross-listing Department Chair signature
   Requested effective date (term/year): FALL / 2011

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?  
   Graduate students in plant and soil sciences must recognize the interdisciplinary nature of their fields and appreciate the
   value of effective presentation of research ideas from multiple perspectives. To best train our graduate students we expect
   them to develop skills in the areas of writing, grantsmanship, research presentation and assessment. To that end we have
   three objectives in offering this course: 1. Gain experience in writing for publication and extramural support; 2. Gain
   experience in preparing oral presentations of knowledge gained though scientific inquiry; 3. Increase knowledge and
   appreciation of the diversity of plant and soil science issues and modes of presenting scientific research; 4. Increase
   scientific interactions between students and faculty on topics related to plant and soil science issues.

9. a. By whom will the course be taught?  
   Team Taught - Dr. Mark Coyne (Co-ordinator)
   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?  
    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.
The skills gained in this course are applicable to the professional goals of any beginning graduate student.

12. Will the course serve as a University Studies Program course†?  ☐ YES  ☑ NO
If YES, under what Area?

†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:
Graduate Program in Integrated Plant and Soil Sciences (IPSS)

16. Will adding this course change the degree requirements for ANY program on campus? ☑ YES  ☐ NO
If YES‡, list below the programs that will require this course:

This course in conjunction with IPS 625 will serve as the core course requirements in the IPSS graduate program, which includes the existing MS program in Plant and Soil Sciences.

‡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.
If the 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?

Name: Mark Coyne  Phone: 257-4202  Email: mscoyne00@email.uky.edu
20. Signatures to report approvals:

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<td>Department Faculty</td>
<td>Todd Pfeiffer</td>
<td>Reported by Department Chair</td>
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<td>03/05/10</td>
<td>College Faculty</td>
<td>Larry J. Grabau</td>
<td>Reported by College Dean</td>
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*If applicable, as provided by the University Senate Rules. ([http://www.uky.edu/USC/New/RulesandRegulationsMain.htm](http://www.uky.edu/USC/New/RulesandRegulationsMain.htm))