APPLICATION FOR CHANGE IN EXISTING COURSE: MAJOR and MINOR

1. Submitted by the College of Agriculture Date: 02-05-2009

Department/Division offering course: Department of Horticulture

2. What type of change is being proposed? ☒ Major ☐ Minor*

*See the description at the end of this form regarding what constitutes a minor change. Minor changes are sent directly fr of the college to the Chair of the Senate Council.

If the Senate Council chair deems the change not to be minor, the form will be sent to the appropriate Council for normal and an email notification will be sent to the contact person.

PROPOSED CHANGES

Please complete all "Current" fields.
Fill out the "*Proposed*" field only for items being changed. Enter N/A if not changing.
Circle the number for each item(s) being changed. For example: (6)

3. Current prefix & number: PLS 220 *Proposed prefix & number:* *PLS 220*

4. Current Title Introduction to Plant Identification

Proposed Title† Introduction to Plant Identification

†*If title is longer than 24 characters, offer a sensible title of 24 characters or less:* _____

5. Current number of credit hours: 3 *Proposed number of credit hours:* *3*

6. Currently, is this course repeatable? YES ☐ NO ☒ If YES, current maximum credit hours: _____

Proposed to be repeatable? *YES* ☐ *NO* ☒ *If YES, proposed maximum credit hours:* _____

7. Current grading system: ☒ Letter (A, B, C, etc.) ☐ Pass/Fail

Proposed grading system: ☒ *Letter (A, B, C, etc.)* ☐ *Pass/Fail*

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

Current:

(___) CLINICAL (___) COLLOQUIUM (___) DISCUSSION (4hr) LABORATORY (1hr) LECTURE

(___) INDEPEND. STUDY (___) PRACTICUM (___) RECITATION (___) RESEARCH (___) RESIDENCY

(___) SEMINAR (___) STUDIO (___) OTHER – Please explain: _____

Proposed:

(___) CLINICAL (___) COLLOQUIUM (___) DISCUSSION (2hr) LABORATORY (2hr) LECTURE

(___) INDEPEND. STUDY (___) PRACTICUM (___) RECITATION (___) RESEARCH (___) RESIDENCY

(___) SEMINAR (___) STUDIO (___) OTHER Please explain: _____

9. Requested effective date (term/year): Fall / 2009

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

Proposed supplementary teaching component: ☐ *Community-Based Experience* ☐ *Service Learning* ☐ *Both*

11. Cross-listing: ☒ N/A or _____ / _____

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Current Prefix & Number printed name Current Cross-listing Department Chair signature

a. *Proposed – REMOVE current cross-listing:* ☐ _____ / _____
printed name *Current Cross-listing Department Chair* *signature*

b. *Proposed – ADD cross-listing:* _____ _____ / _____
Prefix & Number *printed name* *Proposed Cross-listing Department Chair* *signature*

12. Current Distance Learning (DL) status: ☐ Already approved for DL ☐ *Please Add* ☐ *Please Drop*

If PROPOSING, 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* ☐

13. Current prerequisites:

None

Proposed prerequisites:

None

14. Current Bulletin description:

An introduction to the techniques used for plant identification based on over on hundred plants encountered in everyday life.

Proposed Bulletin description:

An introduction to the techniques used for plant identification based on over on hundred plants encountered in everyday life.

15. What has prompted this change?

The change in contact hours from 4hr lab + 1hr lecture to 2hr lab + 2hr lecture better reflects the way the course is currently being taught. Supplemental materials will be made electronically (CD, web, and BlackBoard) available to the students to adjust for the loss of one contact hour. Although the proposed course change reduces classroom contact hours, we feel the learning experience for the students will be enhanced.

16. If there are to be significant changes in the content or teaching objectives of this course, indicate changes:

The basic content and teaching objective will not change.

17. Please list any other department that could be affected by the proposed change:

Plant and Soil Science; Landscape Architecture

18. Will changing this course change the degree requirements for ANY program on campus? ☐ YES ☒

If YES‡, list below the programs that require this course:

‡ In order for the course change to be considered, program change form(s) for the programs above must also be submitted.

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19. Is this course currently included in the University Studies Program? ☐ Yes ☒ No

20. ☐ Check box if changed to 400G or 500. If changed to 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*)

21. Within the department, who should be contacted for further information on the proposed course change?

Robert Geneve Phone: 257-8610 Email: Rgeneve@uky.edu

22. Signatures to report approvals:

DATE of Approval by Department Faculty	Dewayne L. Ingram printed name	Reported by Department Chair	3/10/09 signature
4/22/09 DATE of Approval by College Faculty	Michael D. Mullen printed name	Reported by College Dean	signature
10/6/09 *DATE of Approval by Undergraduate Council	Sharon Gill printed name	Reported by Undergraduate Council Chair	signature
*DATE of Approval by Graduate Council	printed name	Reported by Graduate Council Chair	signature
*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	
*DATE of Approval by the University Senate		Reported by the Office of the Senate Council	

*If applicable, as provided by the *University Senate Rules*. (*http://www.uky.edu/USC/New/RulesandRegulationsMain.htm*)

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Excerpt from *University Senate Rules*:

SR 3.3.0.G.2: **Definition.** A request may be considered a minor change if it meets one of the following criteria:

a. change in number within the same hundred series;
b. editorial change in the course title or description which does not imply change in content or emphasis;
c. a change in prerequisite(s) which does not imply change in content or emphasis, or which is made necessary by the elimination or significant alteration of the prerequisite(s);
d. a cross-listing of a course under conditions set forth in *SR 3.3.0.E*;
e. correction of typographical errors.

UNIVERSITY SENATE ROUTING LOG

Proposal Title: PLS 220 Major Course Change

Contact Person (name, email & phone #): Dr. Seth DeBolt, sdebo2@email.uky.edu, 7-8654

Instruction: To facilitate the processing of this proposal please identify the groups or individuals reviewing the proposal, identify a contact person for each entry, provide the consequences of the review (specifically, approval, rejection, no decision and vote outcome, if any) and please attach a copy of any report or memorandum developed with comments on this proposal.

Reviewed by: (Chairs, Directors, Faculty Groups, Faculty Councils, Committees, etc,)	Contact person Name (phone/email)	Consequences of Review:	Date of Proposal Review	Review Summary Attached? (yes or no)
Dept of Horticulture	Dr. Dewayne Ingram	Approved	3/10/2009	no
College of Agriculture UG Curr Com	Dr. Mike Mullen, 7-3469	Approved	4/22/2009	Yes

PLS 220 - INTRODUCTION TO PLANT IDENTIFICATION

Instructors:
Lectures: Dr. Seth DeBolt
Department of Horticulture: Plant Physiology/ Biochemistry/ Molecular Biology Program
DeBolt Lab Website: http://www.uky.edu/Ag/HLA/DeBolt%20Lab/Site/Welcome.html
Office: N308C Agricultural Science North; Phone: 257-8654; email: sdebo2@email.uky.edu
Office Hours: Schedule an appointment by email. Usually available for drop-in meeting after each lecture session between 9:30-10:30 am.

Laboratories: Dr. Tim Phillips
Department of Plant and Soil Sciences, 325 Plant Science Building, phone 257-5020 x 80769, email: tphillip@uky.edu
Office hours: Tuesdays 8-9 a.m., 3-5 p.m., other times when requested.

Lab Assistant: Shari Dutton
Office: Greenhouse; Phone: 257-4209 (greenhouse); email: sdutton@uky.edu
Office Hours: Available by appointment

Web sites for PLS 220:
www.uky.edu/ag/horticulture/classinfo.html.
http://www.uky.edu/Ag/HLA/Geneve/teaching/teachingpage.htm

Course Schedule
All sections meet for lecture on Tuesdays at 8:30 am in A7 Agriculture Science North
Each section meets for laboratory on Tuesdays and Thursdays at the following times:
Section 1: 10:00 to 11:50 am
Section 2: 1:00 to 2:50 pm
Labs will meet in the Greenhouse Classroom (GH 12).

Course Description:
An introduction to the techniques used for plant identification based on over one hundred plants encountered in everyday life. These will include both historical taxonomic approaches and modern molecular approaches. Lecture, two hours; laboratory, two hours per week.

Student Learning Outcomes
A structured vocabulary is used describe and name plants and this forms the basis of communication between all people involved in agricultural and horticultural production, service and design sectors. This course will use the characteristics of ~100 diverse and common plants as the introduction to the language of plant science. The overarching goal of this course is to develop the skills to communicate a sound understanding of common differences in plant form and the niche of these plants in nature and in the human landscape. When you finish this course you should be able to:

- Identify and communicate the names of over 100 species of plants common to everyday life
- Classify, compare and report the morphological and functional characteristics of a diverse set of plants. This extends beyond simply naming plants and requires that students can give examples of plants that are adapted to specific environments

- Define morphological diversity among plants and how to use morphological characteristics to identify unknown plants
- Recognize and describe the basic cultural requirements of plants in landscape settings

Reference Materials

Required Texts

How to Identify Plants. 1985. H.D. Harrington.

Other Resources [Available in the Agriculture Information Center (AIC) or Greenhouse Classroom (GC)]

Manual of Woody Landscape Plants. 1998. M. Dirr. (AIC)
Manual of Herbaceous Ornamental Plants. 1994. S. Still (AIC)
The Random House Book or Shrubs. 1998. R. Phillips and M. Rix (GC)
Rodale's Successful Organic Gardening--Lawns, Grasses and Groundcovers. 1995. L.& N. Hill. (GC)
The Random House Book of Trees or North America and Europe. 1978. R. Phillips. (GC)
AGR-12, Weeds of Kentucky Turf. UK Cooperative Extension Service. (GC)
AGR-117, Winter Annual Weeds of Kentucky. UK Cooperative Extension Service. (GC)
AGR-118, Summer Annual Broadleaf Weeds of Kentucky. UK Cooperative Extension Service. (GC)

Class Organization

Course Outline: The course is divided into three sections: lecture -- general topics, lecture – morphology topics, and plant identification labs. This is a tentative schedule, specific dates for exams and topics are subject to change with advanced notification.

Lecture topics (Tuesday/Thurs): Topics in bold deal with plant morphology, these concepts will be introduced in lecture and reinforced in lab. You will be tested over morphology topics during the practicum exams, not the lecture exams.

August 27 Class orientation/ Syllabus
September 1 **Plant growth forms and life cycles**
September 3 Overview of the Plant Kingdom
September 8 **Leaves**
September 10 Plant taxonomy and nomenclature
September 15 **Leaves**
September 17 Plant taxonomy and nomenclature
September 22 **Leaves**
September 24 Plant families, an introduction
September 29 Environmental factors affecting plant growth and diversity
October 1 Optional review in GH classroom, **Practicum Exam 1**, 4:00 Seay Auditorium
October 6 **Flowers**
October 5 Plant adaptations for specific environments
October 13 **Flowers**
October 15 Plant adaptations for specific environments
October 20 **Stems and roots**
October 22 **Lecture Exam I** (no morphology)
October 27 Landscape ecology: Plant communities
November 3 Landscape ecology: Weeds and why they are so successful
November 5 Optional review in GH classroom, **Practicum Exam 2**, 4:00 Seay Auditorium
November 10 **Fleshy Fruit**
November 12 Landscape management: Sustainable landscapes
November 17 **Dry Fruits**

November 19 Landscape management: Woody plants
November 24 Landscape management: Herbaceous annual and perennial plants
November 26 No class -- Thanksgiving
December 1 **Plant Keys**
December 3 Plants and People: Significance of Human/plant interactions
December 8 Plants and People: Significance of Human/plant interactions; course evaluation
December 10 Optional review in GH classroom, **Practicum Exam 3**, 4:00 Seay Auditorium
December 14 8:00 a.m. (Monday – final exam schedule) **Lecture Exam II**

Plant Identification Lab Topics **(Tuesdays @ Greenhouse, most will be outside)**
September 1 Annual flowers
September 8 Perennial flowers
September 15 Aquatic and insectivorous plants
September 22 Weeds and turfgrasses
September 29 Make-up lab and review
October 6 Food Plants
October 13 Woody plants
October 20 Woody plants
October 27 Cool season annuals and ground covers
November 3 To be advised
November 10 Evergreen trees and shrubs
November 17 Foliage plants
November 24 Open – Arboretum visit writing assignment due
December 1 Cut flowers and potted plants
December 8 Make-up lab and review

A note about inclement weather and labs:
Dress appropriately! Be prepared for the weather-of-the-day on Tuesdays for plant labs. Wear comfortable shoes as we will do some walking. In the rare event of severe weather, Tuesday and Thursday labs may be switched, combined, or cancelled and this will be communicated via the list-serve email. If no message regarding lab cancellation is heard, assume labs are meeting as scheduled.

A note about plant materials and items for review:
Most of the outdoor plants that we cover in class are available on campus and may also be found at the UK Arboretum on Alumni Drive. You are encouraged to visit the Arboretum to review plants covered in lab and to see the plants growing in a different context. Do not remove or collect plant material for review from the Arboretum. We will make every effort to have plant samples available for review at the greenhouse. Photos can also be taken.

Course Grading
Evaluation of learning objectives will be accomplished by the following quizzes, assignments and exams:
Lecture - total of 125 points
- Short in-class writing assignments during the lecture portion of the course will be performed: five or more assignments at 5 points each for a total of 25 points
- Two lecture exams worth 50 points each

Lab - total of 375 points
- Unannounced quizzes will be given in laboratory that cover morphology topics, plant identification, or a combination thereof, that have been recently introduced. Up to ten

unannounced or pre-announced quizzes at 5-10 points each will be given, these will contribute a total of 75 points.

- Practicum exams will include identification of plant parts (morphology) as well as identification of plant species introduced in previous labs: three exams, 100 points each, for a total of 300 points. These exams will primarily cover material introduced since the previous exam, however, there may also be material that was covered on previous exams. Spelling is important with regard to scientific names, to ensure full credit for answers, make sure names and terms are spelled correctly.

Grading scale: Final letter grades will be determined based on the percentage of total points earned on the exams and quizzes described above. A = 90-100%, B = 80-89.5%, C = 70-79.5%, D = 60-69.5, E = < 59.5%..

In order to learn and retain information presented in this course, you must attend class on a regular basis. **Attendance is required in this course and will be evaluated using role attendance sheet, unannounced lab quizzes and short writing assignments given in lecture.** A score of 0 will be assigned for any missed exams or quizzes. Make-up exams, due to an excused absence, will be given only at specific times and only once for each test. There will be no make-ups given for unannounced quizzes or in-class writing assignments; however, if you have an excused absence, the missed quiz or assignment will not count against you. Please notify the instructor of excused absences in advance, if possible, and within one class day of unforeseen missed exams or quizzes.

Classroom decorum: Please refrain from distractive behavior during class sessions (including labs). This includes cell phone use, smoking, and excessive talking on topics not related to the subject at hand.

Cheating: Cases of plagiarism and/or cheating will be dealt with according to the Student Code of Conduct published by the University of Kentucky (www.uky.edu/StudentAffairs/Code/). Punishment of plagiarism and/or cheating will result in at least a 0 grade on the specific assignment up to removal from the course or suspension from the University.