

## APPLICATION FOR NEW COURSE

1. Submitted by the College of \_\_\_\_\_ Date: \_\_\_\_\_

Department/Division proposing course: \_\_\_\_\_

2. Proposed designation and Bulletin description of this course:

a. Prefix and Number \_\_\_\_\_

b. Title\* \_\_\_\_\_

\*If title is longer than 24 characters, write a sensible title (24 characters or less) for use on transcripts:  
\_\_\_\_\_

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

( \_\_\_ ) CLINICAL ( \_\_\_ ) COLLOQUIUM ( \_\_\_ ) DISCUSSION ( \_\_\_ ) LABORATORY ( \_\_\_ ) LECTURE

( \_\_\_ ) INDEPEND. STUDY ( \_\_\_ ) PRACTICUM ( \_\_\_ ) RECITATION ( \_\_\_ ) RESEARCH ( \_\_\_ ) RESIDENCY

( \_\_\_ ) SEMINAR ( \_\_\_ ) STUDIO ( \_\_\_ ) OTHER – Please explain: \_\_\_\_\_

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

e. Number of credit hours: \_\_\_\_\_

f. Is this course repeatable? YES  NO  If YES, maximum number of credit hours: \_\_\_\_\_

g. Course description:  
\_\_\_\_\_  
\_\_\_\_\_

h. Prerequisite(s), if any:  
\_\_\_\_\_  
\_\_\_\_\_

i. Will this course be offered through Distance Learning? YES  NO

If YES, please circle one of the methods below that reflects how the majority of the course content will be delivered:

Internet/Web-based

Interactive video

Extended campus

Kentucky Educational Television (KET/teleweb)

Other

Please describe "Other": \_\_\_\_\_

3. Teaching method:  N/A or  Community-Based Experience  Service Learning Component  Both

4. To be cross-listed as: \_\_\_\_\_  
Prefix and Number Signature of chair of cross-listing department

5. Requested effective date (term/year): \_\_\_\_\_ / \_\_\_\_\_

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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?  
\_\_\_\_\_  
\_\_\_\_\_
- 
9. a. By whom will the course be taught? \_\_\_\_\_
- 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?  
\_\_\_\_\_  
\_\_\_\_\_
- 
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.  
\_\_\_\_\_  
\_\_\_\_\_
- 
12. Will the course serve as a University Studies Program course<sup>†</sup>?  YES    NO  
If YES, under what Area? \_\_\_\_\_
- <sup>†</sup>AS OF SPRING 2007, THERE IS A HIATUS 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: \_\_\_\_\_
16. Will adding this course change the degree requirements for ANY program on campus?  YES    NO  
If YES<sup>‡</sup>, list below the programs that will require this course:  
\_\_\_\_\_  
\_\_\_\_\_

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<sup>‡</sup>In order to change the program(s), a program change form(s) must also be submitted.

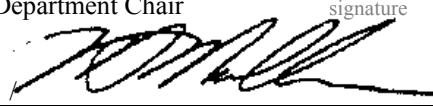
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17.  The major teaching objectives of the proposed course, syllabus and/or reference list to be used are attached.
18.  Check box if course is 400G or 500. If the course is 400G- or 500-level, *you must include a syllabus showing differentiation* for 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: \_\_\_\_\_ Phone: \_\_\_\_\_ Email: \_\_\_\_\_

20. Signatures to report approvals:

DATE of Approval by Department Faculty	printed name	/	Reported by Department Chair	signature
				
DATE of Approval by College Faculty	printed name	/	Reported by College Dean	signature
* DATE of Approval by Undergraduate Council	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 University Senate	Reported by Office of the Senate Council			

\*If applicable, as provided by the *University Senate Rules*

## Course Syllabus

### FOR 357

### Inventory and Measurements II

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#### Class Period

Practicum (Spring Field Semester): 40 hours per week for 2 weeks of Spring Field Semester.

#### Instructor

Dr. Paul Kalisz

Room 102 T.P. Cooper Building

859-257-7606

[pkalisz@uky.edu](mailto:pkalisz@uky.edu)

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## COURSE OVERVIEW

### Course Description

This course teaches students how to conduct forest inventories using a variety of criteria and measurements. Students will use GPS to establish area boundaries and GIS to construct area maps. They will learn how to use inventory data to determine economic value. *Prerequisites: FOR 150, FOR 219, FOR 250, FOR 370, FOR 330, FOR 340, FOR 350, PLS 366, or consent of the field semester coordinator.*

### Student Learning Outcomes

At the end of this course, the student will be able to demonstrate the following skills.

1. Demonstrate the correct procedures for conducting and writing a timber inventory. This includes using proper techniques to measure height, diameter, crown width, and stand basal area and using global positioning systems to collect stand borders, navigate, and conduct sampling.
2. Analyze different sites by comparing measurements and recognize other ways to classify a site besides site index.
3. Evaluate how silvicultural prescriptions impact wood product value.

### Grading Procedures – Assignments, Grading Criteria, Letter Grades

Field Participation – 10%

Field Exercises – 60%

Quizzes – 30%

#### Letter Grades

A:  $\geq 90\%$

B:  $\geq 80\%$  and  $< 90\%$

C:  $\geq 70\%$  and  $< 80\%$

D:  $\geq 60\%$  and  $< 70\%$

E: < 60%

## **Course Outline**

*{Week 1 is FOR 355 Forest Fire Control and Use}*

*{Week 2-6 is FOR 356 Landscape Assessment}*

Week 7-8: Inventory and Measurements II – Timber inventory, measurements, GPS, and wood product value

Integration: Throughout this module and the previous module on Landscape Assessment, students will return to the sample property to understand dendrology, wildlife, soils, hydrology, health and protection, inventory and measurements at the sample property. During visits to the sample property, students will gather data on particular topic areas to create GIS map layers for the sites. At the end of the module, students will have assessed the sample property and created a digital map of the site containing GIS layers for trees, wildlife, soils, hydrology, stand inventory data, and forest health.

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## **COURSE POLICIES**

### **Attendance and Excused Absences**

Attendance is mandatory. If you foresee an absence, it is essential that you contact the instructor as soon as possible. If a student has excused absences in excess of one fifth of the class contact hours, a student may petition and receive a “W” or an “I” for the class.

### **Academic Integrity, Cheating and Plagiarism**

Cheating of any form, including plagiarism, will not be tolerated. Cheating will be dealt with in accordance with University regulations. (See <http://www.uky.edu/StudentAffairs/Code/>)

### **Professional Preparation**

This course helps prepare you for your professional career. You are expected to attend class, be on time, participate in class discussions, and be respectful of your instructor and fellow classmates.

### **Disability Statement**

Students with a disability that need classroom or exam accommodations should contact the Disability Resource Center, 257-2754, room 2 Alumni Gym, [jkarnes@uky.edu](mailto:jkarnes@uky.edu) .