

APPLICATION FOR CHANGE IN EXISTING COURSE: MAJOR and MINOR

1. Submitted by the College of _____ Date: _____

Department/Division offering course: _____

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 from the dean 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 processing 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: _____ Proposed prefix & number: _____

4. Current Title _____

Proposed Title[†] _____

[†]If title is longer than 24 characters (including spaces), write a sensible title (24 characters or less) for use on transcripts:

5. Current number of credit hours: _____ Proposed number of credit hours: _____

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 the number of actual contact hours per week for each category, as applicable.

Current:

() CLINICAL () COLLOQUIUM () DISCUSSION () LABORATORY () LECTURE

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

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

Proposed:

() CLINICAL () COLLOQUIUM () DISCUSSION () LABORATORY () LECTURE

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

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

9. Requested effective date (term/year): _____ / _____

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10. Current teaching method: N/A Community-Based Experience Service Learning Component Both

Proposed teaching method (if applicable): Community-Based Experience Service Learning Component Both

11. Current cross-listing: N/A _____
Prefix and Number NAME of current cross-listing DEPARTMENT

a. Proposed – REMOVE the current cross-listing:

b. Proposed – ADD a cross-listing: _____
Prefix and Number Signature of chair of proposed cross-listing department

12. Current prerequisites:

Proposed prerequisites:

13. Current Bulletin description:

Proposed Bulletin description:

14. What has prompted this change?

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

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

17. Will changing this course change the degree requirements for ANY program on campus? YES NO
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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18. Is this course currently included in the University Studies Program? Yes No

19. 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*)

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

Name: _____ Phone: _____ Email: _____

21. Signatures to report approvals:

DATE of Approval by Department Faculty	/	<div style="display: flex; justify-content: space-between;"> printed name Reported by Department Chair signature </div>
DATE of Approval by College Faculty	/	<div style="display: flex; justify-content: space-between;"> printed name Reported by College Dean signature </div>
*DATE of Approval by Undergraduate Council	/	<div style="display: flex; justify-content: space-between;"> printed name Reported by Undergraduate Council Chair signature </div>
*DATE of Approval by Graduate Council	/	<div style="display: flex; justify-content: space-between;"> printed name Reported by Graduate Council Chair signature </div>
*DATE of Approval by Health Care Colleges Council (HCCC)	/	<div style="display: flex; justify-content: space-between;"> printed name Reported by Health Care Colleges Council Chair signature </div>
*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*.

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.

Course Syllabus

FOR 340

Forest Ecology

Class Period

Lecture: 3 hours per week

Lab: 4 hours per week

Instructor

Dr. Mary Arthur

Room 103 T.P Cooper Building

859-257-2852

marthur@uky.edu

COURSE OVERVIEW

Course Description

The study of the forest as a biological community, covering ecosystem concepts such as energy flow, forest nutrition, nutrient cycling, and decomposition. Interrelationships between trees and other organisms comprising the community is also examined through concepts of disturbance, succession, population dynamics, biological and ecosystem diversity, ecosystem management, and ecosystem services. Laboratory, four hours per week. *Prerequisites: BIO 103 or BIO 150.*

Student Learning Outcomes

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

1. Explain human and forest history and have a basic understanding of forestry, forest ecology, forest geography, and forest communities.
2. When discussing the forest as an ecosystem, you will be able to describe ecosystem concepts and processes such as energy flow, forest soils, forest hydrology, forest nutrition, nutrient cycling, and decomposition.
3. When discussing forest community dynamics and population ecology, you will be able to describe concepts and processes such as community ecology, disturbance, forest site and disturbance, succession, fire ecology, population ecology, tree life history, population dynamics, dendrochronology, and invasive species.
4. When discussing the forest and tree environment, you will be able to explain concepts and processes such as structure and function of forest trees; radiation, water and carbon balance; water and trees; temperature and tree growth; biological and ecosystem diversity; and ecosystem management and ecosystem services.

5. When in the field, you will be able to use proper field note taking and data collection techniques. After returning from the field, you will be able to analyze and interpret data using statistics. You will use computers to conduct data analysis and present the data in graph format.

Grading Procedures – Assignments, Grading Criteria, Letter Grades

Two hourly exams – 30%

One final exam – 15%

Class participation – 5%

Lab paper – 50%

Class Participation

Class participation will be graded using in-class ‘quizzes’ each morning, in which students have to respond to a question posed at the top of the day’s lecture outline and turn it in when they leave class. The question typically comes from the previous lecture.

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 - Course introduction; Human history and forests. Exponential growth; Introduction to forestry and forest ecology. Forest geography.

Week 2 - Nature of forest communities. Forest history. Ecosystem concept and energy flow

Week 3 - Energy flow in ecosystems. Forest soils.

Week 4 - Forest hydrology. Forest nutrition; review for exam.

Week 5 - Nutrient cycling in forest ecosystems. Nutrient cycling in forest ecosystems.

Week 6 - EXAM. Decomposition.

Week 7 - Community ecology. Disturbance.

Week 8 - Forest site and disturbance. Succession.

Week 9 - Fire ecology. Population ecology.

Week 10 - In-class review. Tree life history.

Week 11 - EXAM. Population dynamics.

Week 13 - Structure and function of forest trees. Radiation, water and carbon balance.

Week 14 - Water and trees. Temperature and tree growth.

Week 15 - Biological and ecosystem diversity. Ecosystem management.

COURSE POLICIES

Attendance and Excused Absences

Absences: Attendance is mandatory for the lab section of this course. **You will receive no credit for a missed lab.** In addition, there will be some in-class writing in this course that will be counted toward your final grade. Thus, while attendance will not be taken in lecture, you will periodically be asked to hand in very short writing assignments in class which will be entered into the grade book. Excused absences include: (1) illness of the student (you must notify the instructor in advance of a missed lab meeting), (2) serious illness or death of a family member, (3) official college trips, and (4) major religious holidays. For category 2, notify the instructor within 1 week of the absence – verification may be required. For category 3, notify the instructor at least 1 week prior to the event and in the case of category 4, notification must be in writing, no later than August 31st.

Make-up exams: Make-up exams will be given only for excused absences; all other missed exams result in a grade of zero.

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 .