

AGR 577/777

Summer Session - 2004

Week One

<u>Day</u>	<u>Day</u>	<u>Day</u>
Monday	June 28	1 - Introduction, Historical Background
Tuesday	June 29	2 - Basic Botony - Plant Characteristics and Introduction to Wildflowers and Native Plants
Wednesday	June 30	3 - Wildflowers ID (Keys) - Tree Intro, Tour of Campus Trees, OUTDOORS, WEATHER PERMITTING
Thursday	July 1	4 - Wildflower Quiz; Trees (ID)(Keys) MEET AT THE DANIEL BOONE STATUE FOR A WALKING TOUR/EXERCISE

Week Two

Monday	July 5	***** HOLIDAY *****
Tuesday	July 6	5 - Ravine (Trees) MEET AT THE AMPHITHEATER - Homework: Websites (2) Put together a tree exercise for you class - for your use in the fall
Wednesday	July 7	6 - Million Park * MEET AT THE CLASSROOM
Thursday	July 8	7 -Farm Tour * (369-5389) MEET AT THE CLASSROOM

Week Three

Monday	July 12	8 - Black Board - Library Computer Laboratory
Tuesday	July 13	9 - Water Testing * Madison County * MEET AT THE CLASSROOM
Wednesday	July 14	10 - Watershed Demonstration by the Fish and Wildlife Dept. at Meadowbrook MEET AT THE CLASSROOM * Madison County *
Thursday	July 15	11 - Maps and Mapping for youth activities MEET AT THE CLASSROOM

Week Four

Monday	July 16	12 - Wildlife Reserve at Frankfort *(800-858-1549) MEET AT THE CLASSROOM
Tuesday	July 17	13 - Student Presentations of learning centers - Resource Files Due
Wednesday	July 18	14 - Final Exam
Thursday	July 19	15 - Individual conferences

* **Van Dates**

AGRICULTURE 577/777
WORKSHOP IN CONSERVATION OF NATURAL RESOURCES
SUMMER 2004

MTWR 12:30 - 3:30

Course Requirements and Information

Instructors: Dr. Gary Janicke - Room 5 - A.B. Carter - 622-2231

Gary.Janicke@eku.edu

Office Hours: 10:30 - 12:00 MW or by appointment.

Reference Materials: Materials will be available during class. These materials are required. The cost to you is very minimal, hopefully under \$8. Other materials will be available on the Department homepage or in the library.

Attendance Policy:

You will be expected to attend class to take notes, obtain all handouts, participate in discussion, receive homework assignments, and turn in all assignments. Please notify the instructor in writing if you must miss class for an EKU sponsored activity or by phone when due to an illness. The last day in which to drop a 2002 summer session class (God forbid) is June 21, 2002.

Course Requirements:

- A. Unit Lesson Plan:** Each student is to develop a unit lesson plan related to three of the subjects covered in this course. This plan is to be designed for a specific learning level. The plan and all supporting resource materials is due Wednesday, July 5. (15%)
- B. Class Presentation of learning centers:** Each student **must** present a lesson plan with the learning center (see attached explanation of the learning center) to the class on July 5th. The presentation must also include a presentation of the resource materials. More will be discussed concerning your presentation of a lesson plan and learning center. (35%)
- C. Resource File:** Each student will turn in (but will be returned to the student) a set of resource materials that completely represent all course topics. (Videos, books, workbooks, models, class room props, etc). (30%)
- D. Attendance** - See previous remarks. (20%)

Evaluation:

Grading will be based on attendance, timely completion of assignments, quality of the learning center, lesson plan and materials file, class presentation, the final exam and participation in class discussions.

Semester Plans, Hopes, Dreams, Objectives and Course Outline:

- I. Instruction is given in the areas of soil, air, vegetation, water and wildlife including methods of teaching

related units at the elementary and junior high level.

II. Readings from periodicals and relevant references will be correlated with the topic being studied.

III. The objectives of the course are:

- a. to enlarge the participants' knowledge of our natural resources
- b. to encourage an appreciation of natural resources
- c. to develop units of study about different aspects of natural resources
- d. to develop a comprehensive lesson plan centered around one or more aspects of natural resources
- e. to compile a list of films, filmstrips, slides, books and resource people to be used in the participants' own classroom.

V. Course Outline

- a. Soil
 - basic structure and morphology
 - minerals/mining
 - conservation and productivity
- b. Air
 - components
 - pollutants
 - quality control
- c. Vegetation
 - scope in world importance
 - identification/population study
 - conservation/management
- d. Water
 - cycle
 - pollution/quality
 - conservation/clean-up
- e. Wildlife
 - population studies
 - habitat studies
 - conservation practices

VI. Class Activities

- a. Field trips (see attached tentative schedule)

- b. Hands-on activities
 - 1. soil evaluation
 - 2. water measurements
 - 3. plant collection/identification
 - 4. environmental investigations
 - 5. development and use of plant keys
- c. Films
- d. Guest participants
- e. Lectures/discussion

Proposed Van Schedule for Summer Semester 2004

*** 2 Vans required for each trip date*

<u>Destination</u>	<u>Date of Trip</u>	<u>Time Out</u>	<u>Time In</u>
Million Park	July 7, 2004	12:30	15:30
Farm Tour	July 8, 2004	12:30	15:30
Water Testing	July 13, 2004	12:30	15:30
Watersheds	July 14, 2004	12:30	15:30
Frankfort, KY	July 16, 2004	12:30	18:00

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01. Demographic sheet
02. Scholarship request
03. Resource problems and solutions worksheet
04. Disaster Relief Worksheet
05. "Getting to Know You" game
06. Anatomy of Plants - Taxonomic Information
07. Woody Plant Identification Guide
08. Plant Morphology
09. Tree Key
010. More Key Terms
011. Open
012. Forest Scavenger Hunt
013. Forest Observation Sheet for Berea Forest
014. Water Testing Exercise
015. Topic Resource Materials Information (Web Site Sharing Session)
016. Outdoor Classroom Information Packet
017. Various Selected Indoor/Outdoor Activities
018. Selected Natural Resource Readings