

SOUTHEAST MISSOURI STATE UNIVERSITY

Department of Biology

BI-841

Projects WET, WILD, and WOODY for Teachers

New - Summer 2002

I. Catalog Description and Credit Hours: Teachers in Missouri are expanding their curriculum to include conservation education topics. For this reason, teachers are seeking additional knowledge on conservation topics and well-developed, easy to use activities. After receiving the mandatory training on Project WET, Project WILD and Project Learning Tree, teachers will have the resources and the knowledge they are seeking. (1)

II. Prerequisite(s): Students should have a B.S. or a minimum of 45 hours of undergraduate credit.

III. Purposes or Objectives of the Course:

- A. To provide teachers with a foundation of ecological principles.
- B. To enhance teachers' appreciation of ecological systems and their values.
- C. To provide teachers with methods of teaching, using conservation topics.
- D. To demonstrate use of Projects WET, WILD and Learning Tree for classroom and field trip situations.

IV. Expectations of Students:

Participants will be able to:

- A. Define and discuss ecological concepts and principles relating to wetland environments.
- B. Plan, set up, and implement classroom and/or field trip sessions for students.
- C. Incorporate Project Wet, Wild and Learning Tree into their existing curriculum.

V. Course Content or Outline (include number of periods on each topic):  
Course will be taught at the East Prairie High School, East Prairie, Missouri.

- A. Icebreaker: Sand or Surf? 1 hr
- B. Water cycle 1 hr
- C. Watershed ecology 1 hr
- D. Water pollution 1 hr
- E. Water characteristics 1 hr
- F. Resource Issues 1 hr
- G. Float through the guide 1 hr
- H. Animal adaptations  $\frac{3}{4}$  hr
- I. "Oh Deer!" and "Quick Frozen Critters" Activities 1  $\frac{1}{2}$  hrs
- J. Animals in the arts activities 1  $\frac{3}{4}$  hrs
- K. Hike through the guide 1  $\frac{1}{2}$  hrs
- L. Needs of the trees 1 hr

M.	Ecology of trees	1 hr
N.	“How big is your tree?” activity	$\frac{3}{4}$ hr
O.	“Trees as habitats” activity	1 hr
P.	Hike through the guide	1 hr
Q.	Group projects	$\frac{1}{2}$ hr
R.	Present activities	1 $\frac{1}{4}$ hrs
S.	Evaluation and close	1 hr

VI. Textbook and/or Supplemental Materials:

- A. Project WET
- B. Project WILD
- C. Project WILD Aquatic
- D. Project Learning Tree
- E. Other materials will be provided by the instructors

VII. Basis of Student Evaluation:

- A. Participation in all workshop sessions and assignments.
- B. Present a Project Wet, Wild, or Learning Tree lesson to fellow educators (graduate and undergraduate level).
- C. Graduate level participants will utilize two of the Project activities and summarize the effectiveness and modifications that were incorporated.