

1985

Science Notes - Conservation Education Center Summer Course Offerings

Carl W. Bollwinkel

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SCIENCE NOTES

Conservation Education Center Summer Course Offerings

Eight different content courses relating to the environment will be offered in June and July at the Conservation Education Center in Springbrook State Park near Guthrie Center, Iowa. The Education Center, which has air-conditioned dormitories, dining hall and lounge building, and classrooms, is located in a wooded area with nearby ponds and prairie remnants.

The courses, designed for K-12 teachers and naturalists, are being offered through the University of Northern Iowa Institute for Environmental Education. Each course requires one week of graduate study and offers one or two hours of graduate credit to participants. Course costs, including room and board, are as follows:

1 graduate credit - \$142 (non-credit \$95)

2 graduate credits - \$214 (non-credit \$120)

Some courses require additional materials and transportation fees.

Schedule

- June 1-6 Iowa Birdlife (2 credits) Prof. Barbara Saigo
Natural history studies of birds and the ecological relationships with their environment. Habitat studies, nesting habits, field identification, and capture activities will be carried out.
- June 8-13 Small Iowa Mammals (1 credit) Dr. Lanny Schwartz
Population and ecological studies of small forest, prairie and wetland mammals. Live trapping will be included.
- June 15-20 Iowa Fungi (1 credit) Dr. Lois Tiffany
Identification, biology and ecology of native species of fungi. An emphasis will be on field studies and teacher use of fungi studies.
- June 22-27 Chemical Water Pollutants (2 credits) Prof. Russ Wiley
Sampling and field/laboratory analysis of water resources. Special attention will be given to acid precipitation, pesticides and fertilizer contaminants.
- June 29-July 4 No Classes
- July 6-11 Iowa Plants (1 credit) Dr. Carl Bollwinkel
Woodland and prairie plants of Iowa will be studied with an emphasis on field identification. Photography and collecting techniques will be used for recording observations for participants' future classroom use. Plants observed will be associated with plant families to which they belong.
- July 13-18 The Tallgrass Prairie (2 credits) Dr. Daryl Smith
A study of the vast prairie eco-system that occupied 85 percent of Iowa. A portion of the class deals with such prairie topics as ecology, plants and animals, settlements, preservation and management. The remainder of the class includes field trips to prairie remnants, becoming familiar with blooming prairie plants and adapting prairie studies to secondary and elementary classrooms.

SCIENCE NOTES

July 20-25 Integrating Art and Science (2 credits) Ms. Caroline Petty
Step-by-step art skills and hands-on science experiences for the classroom teacher and ready-to-go lesson plans. Instructed by a national award winning artist and art teacher.

July 27-August 1 Pond Insects in the Classroom Prof. A.C. Haman
(1 credit)

Stream, pond and marsh insects will be studied, emphasizing identification, collection and laboratory activities. Classroom activities will be developed which relate to insect behavior and life requirements.

Write UNI Continuing Education, Cedar Falls, IA 50614 or call (within Iowa) toll free at 1-800-772-1746 for more detailed information and pre-registration forms.

— C.W.B.

Search For Excellence In Science Education 1985-1986

The 1985-86 Search for Excellence in Science Education is seeking programs for state and national recognition in the following areas:

1. Science-Technology-Society, K-12
2. Environmental Education, K-12
3. Pre-service Secondary Science, College/University

Application forms and instructions are available through the Iowa Academy of Science, P.O. Box 868, Cedar Falls, IA 50613. Additional information is available from Dr. Jack A. Gerlovich, Dept. of Public Instruction, Grimes State Office Building, Des Moines, IA 50319.

The deadline for state selections is April 1, 1986.

Programs selected for national recognition are presented at the national meeting of the National Science Teachers Association. Although no 1984-85 programs from Iowa will be recognized at the meeting in San Francisco this spring, the Career Awareness program for K-6 from Stuart-Menlo received 1984-85 Iowa State recognition.

— C.W.B.

Statewide Summer 4-H Camps

4-H camping is for those who enjoy the outdoors, like to learn, like to meet new people, and like to make new friends. A variety of camping experiences are planned throughout the summer. Camps offered include Goin' Fishin' Camps 1 and 2, Family Backpacking Camp, Camp Compute, Soccer Camp, Photography Camp, Wilderness Canoe Trek, and many more exciting camping opportunities. These camps are scheduled throughout June, July and August.

Financial aid is available from the Iowa 4-H Foundation. Application forms may be picked up at each County Extension Office. Camp registrations as well as financial aid registrations are due May 15. For more information contact: Jim Pease, Asst. State 4-H Leader for Camping and Environmental Ed., 1986 Statewide 4-H Camps, 33 Curtiss Hall - ISU, Ames, IA 50011.

— K.L.C.