

1984

Science Notes - Iowa Environmental Education Field Station Announces New Program

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Recommended Citation

(1984) "Science Notes - Iowa Environmental Education Field Station Announces New Program," *Iowa Science Teachers Journal*: Vol. 21: No. 3, Article 8.

Available at: <https://scholarworks.uni.edu/istj/vol21/iss3/8>

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SCIENCE NOTES

Summer Programs in Science - Start College Early

The University of Iowa offers a variety of specially designed courses for high school students that provide opportunities to:

- experience research in science, engineering, mathematics or social sciences; or
- expand knowledge and understanding in biology, physics or computer science; or
- explore/investigate the ecology of certain geographical areas — Alaska, Yellowstone and Grand Teton National Parks, the Boundary Waters, or the Rocky Mountains.

Programs provide university credit to participants. Additional information may be obtained by writing:

Iowa-SSTP, The University of Iowa, 455 Van Allen Hall, Iowa City, IA 52242, 319/353-4102 (In Iowa 1-800-272-6412, ext. 4102)

Iowa Environmental Education Field Station Announces New Programs

An extensive program of educational experiences at the Iowa Conservation Education Center located at Springbrook State Park near Guthrie Center, Iowa, is being planned by the Iowa Conservation Commission and the University of Northern Iowa. The Environmental Education Field Station program will provide a variety of learning activities for a broad audience. The program for summer 1985 is designed for teachers and naturalists.

The diverse habitats of Springbrook State Park are beneficial for educational and recreational pursuits. Abounding in wildlife, the 800-acre park consists of rolling hills of oak-hickory forests interspersed with prairie plots and dissected by streams. Several ponds and a 14-acre lake, edged by a marsh, provide good fishing and bird watching.

The Iowa Environmental Education Field Station (Conservation Education Center) is located an hour's drive west of Des Moines in the southeast corner of Springbrook Park. The Center accommodates up to 104 persons overnight in three modern dormitories which are fully heated and air conditioned. All bedding and towels are provided. The dining hall seats 150 for meals which program participants describe as outstanding. The dining hall includes a classroom and display area on the lower level which houses study collections. The classroom/office building has two large classrooms and a conservation library.

Week-long programs, carrying one or two hours of graduate credit will be offered during June and July. Each credit hour requires 15 contact hours, and two credit hours is a maximum load for one week.

The OUTLOOK Program offers several environment education enrichment sessions for teachers K-12. Its multidisciplinary focus has helped art, P.E. and special education teachers find it as valuable for their classes as teachers whose special interests are science, math, social studies and language arts. The two-credit program is divided into two parts. The first deals with the theoretical basis

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of OUTLOOK (e.g. the learning cycle, appropriate levels for student learning and problem solving techniques). The second part is practical application integrating OUTLOOK into each teacher's curriculum plan for the coming year. Teachers trained in OUTLOOK will be given a packet of activity cards appropriate for their grade level. OUTLOOK was written by and for classroom teachers. Research data collected from urban and rural classrooms in which OUTLOOK is used indicate the positive effectiveness of the materials.

The comprehensive fee for a week-long OUTLOOK program is \$225 and covers tuition for two graduate hours from the University of Northern Iowa, room, meals including snacks, and instructional materials. Because of special outside funding support, Iowa teachers registering for OUTLOOK will receive a stipend for \$150 and are able to take part for only \$75.

For all other courses, the tuition fee is \$63 per graduate credit hour, and room and board is available for only \$51 per week. Some courses will require minimal additional field trip, special materials or book fees.

Field Station Course Offerings (number of UNI credit hours in parentheses)

June	July
2-7 OUTLOOK (2) Energy Workshop (2)	7-12 Aquatic Insects (1) Trees and Shrubs (1) Establishing and Using Nature Study Areas (1)
9-14 OUTLOOK (2) Energy Workshop (2)	14-19 Organizing the School Camping Program (2) Interpreting Iowa Wetlands (2)
16-21 OUTLOOK (2) Art in Nature (1) Astronomy and Nature (1)	21-26 Iowa Land Form and Land Use (2) Interpreting Iowa Woodlands (2)
23-28 OUTLOOK (2) Archeology of an Abandoned Farmstead (2)	28-Aug 2 Interpreting Iowa Prairies (2) Guthrie County Foray (2)

For additional information write to:

Dr. Carl W. Bollwinkel
Dept. of Biology
University of Northern Iowa
Cedar Falls, IA 50614

Please send: _____ OUTLOOK information
_____ Field Station course information
_____ Field Station facilities information
_____ Registration forms

Name _____

Address _____