

GLASSBORO STATE COLLEGE
Science Department

*Approved
5/22*

To: The Graduate Council and the Curriculum Committee
From: V. Eugene Vivian, Professor of Science and Ecology
Re: A Modification Proposal for Science 59.506
Practicum in Conservation and Outdoor Education 2 S.H.

This course is designed to provide teachers and supervisors with a background of experience and knowledge which will enable them to organize and to conduct conservation education programs in their own communities. Using an extensive library of conservation educational material, students formulate teaching units, materials, aids projects and evaluation schemes, and projects suitable for use in their own communities. Participating in conservation projects with the children in the demonstration camp furnishes a practical background for research and discussion. This course may not be selected to meet the science specialization requirements in either the program in the Teaching of Secondary School Science or the Outdoor Education and Conservation Program.

Prerequisite: Sci. 501, which may be taken concurrently.

ESSENCE OF THE PROPOSAL

Science 59.506 should be divided into ³ ~~four~~ discrete course opportunities to deal with distinct and highly complex environments.

- 59.506 A - Practicum in Conservation and Outdoor Education - ^{all} ~~2~~ S.H. Marine Environment
- 59.506 B - Practicum in Conservation and Outdoor Education - Woodland Environment
- 59.506 C - Practicum in Conservation and Outdoor Education - Urban Environments

The course designation 59-506 would be dropped from the catalogue if this proposal is adopted.

ON THE STUDENTS

Students would be allowed to take any or all of the proposed new courses within the limits of prerequisites and degree program specifications provided in the original course description.

ADMINISTRATION

Students may be admitted to any of the proposed courses by permission of the instructor. Credit toward any degree program may be obtained by approval of the appropriate program coordinator.

FREQUENCY OF OFFERING

The course 59.506 has been offered heretofore only as part of the federally funded program known as the Prospective Teacher Fellowship Program on Conservation and Outdoor Education. The proposed courses would be offered on request by groups of students sufficiently large to justify the offering. (A minimum of 12 students and a maximum of 20 students.)

It is expected that two or three sections of the course for marine environments, two sections of the course for urban environments and at least one section for woodland environments could be filled as soon as they were authorized.

COURSE DESCRIPTIONS

Science 59.506 A - Practicum in Conservation and Outdoor Education -
Marine Environment

This course is designed to provide teachers and supervisors with a background of experience and knowledge which will enable them to organize and to conduct environmental education programs in their own communities. Using an extensive library of environmental education materials, students formulate teaching units, materials, aids, projects and evaluation schemes, suitable for use in their own schools. Participating in environmental education activities with children provides a practical background for discussion and research. This course will be concerned exclusively with marine environments. This course may not be selected to fulfill science specialization requirements either in the program for the teaching of secondary school science or the program in outdoor education and conservation.

Science 59.506 B - Practicum in Conservation and Outdoor Education -
Woodland Environment

This course is designed to provide teachers and supervisors with a background of experience and knowledge which will enable them to organize and to conduct environmental education programs in their own communities. Using an extensive library of environmental education materials, students formulate teaching units, materials, aids, projects and evaluation schemes, suitable for use in their own schools. Participating in environmental education activities with children provides a practical background for discussion and research. This course will be concerned exclusively with woodland and open field environment. This course may not be selected to fulfill science specialization requirements either in the program for the teaching of secondary school science or the program in outdoor education and conservation.

Science 59.506 C - Practicum in Conservation and Outdoor Education -
Urban Environments

Most of our population works and resides in urban or other congested environments. A first-hand study of many aspects of their own environments is essential for all students in the 1970's.

This course is designed to assist teachers in developing a capability for working with their pupils in the study, evaluation, and improvement of their immediate environments.

Participants should be able to:

1. Develop curriculum materials which can be utilized for indoor and outdoor study of their local environments.
2. Demonstrate a capability for developing cross-disciplinary media for environmental studies.
3. Engage in their own first-hand investigations of selected aspects of their own environments.
4. Plan for ways and means to teach the series in a pilot situation.
5. Develop one or more schemes for evaluating environmental education programs.

This course may not be selected to fulfill science specialization requirements either in the program for the teaching of secondary school science or the program in outdoor education and conservation.

RATIONALE FOR THE PROPOSAL

Environmental deterioration has initiated a continually increasing curricular interest in environmental studies at both elementary and secondary levels. This new found concern has generated a need for modification of present elementary and secondary curricula to include an "environmental component" of indoor class discussion, readings and research, as well as direct experiences in observing or monitoring aspects of one or more environments.

To assist a teacher in developing appropriate curricular materials, provide field experiences as demonstrations and to provide actual teaching opportunities in environmental studies is a prodigious task if only one kind of environment such as the woodland environment is concerned. Other significant environments such as urban environments and marine environments have a uniqueness and complexity which require separate study. At the present time the college is developing banks of courses or majors for each of these fields.

Although suburban environments, rural environments and fresh water wetlands have unique characteristics, it is believed that the three courses proposed will be able to accommodate concerns for each of these.

This proposal is a plan to offer students an opportunity to obtain introductory experiences and to develop appropriate curriculum materials in several of these widely differing environments.

PERSONS CONSULTED

Dr. Stanton B. Langworthy
Dr. John A. Dwyer
Dr. Robert N. Renlund
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