74-5/74

FACULTY SENATE

CURRICULUM COMMITTEE

Course Approval Form

Department LIFE SCIENCES

Title Environmental Internship

Sponsor(s) Dr. Patricia Sparks No. of Credits 6 - 12 S.H.

Approved by the department Yes Graduate ( )

Not recommended by the department Undergraduate (X)

Information copies forwarded: Academic Dean; Chairman; Curriculum Committee

Signature: Department Chairman

ACADEMIC DEAN

Consultation on proposal has been held

Comments:

Alan Donaar 4/15/75
Signature: Academic Dean

CURRICULUM COMMITTEE

Proposal received 4/15

Open Hearing held 5/2

Returned to the department for the following reason(s): 1/2 credit [illegible] + short time [illegible]

Approved by the Curriculum Committee

Presented to Executive Committee of the Faculty Senate as information 2/[illegible]/76

Notifications forwarded: Academic Dean; Department Chairman

Signature: Chairman, Curriculum Committee

I. Title of the Course: Environmental Internship (undergraduate)
Department: Life Sciences
Sponsor: Dr. Patricia M. Sparks, Coordinator Undergraduate Environmental Concentration

II. Essence

1. Undergraduate course
2. Credit, variable 6-12 s.h.
3. Course Level: juniors and seniors
4. Prerequisites: 6 or more semester hours of credit from the Environmental Studies Concentration
5. Position of the course: The environmental internship serves to provide for career-oriented training not presently available through any other environmental course. It is an extension of the Environmental Studies Concentration.
6. Time scale: The internship was approved by the Short Term Course Committee in December 1974, and was implemented on a pilot basis for the present term.

III. Other Details

1. Staffing adequate
2. Library facilities and needs - adequate
3. Space needs - adequate
4. Course design: Students will be accepted into the course if they meet the criteria established below. The course provides for career-oriented experiences requiring the completion of a predetermined project which can be completed during the 15 week term. The advisor to the internship will work with the students on a one to one basis providing guidance and instruction as needed. The advisor will keep in close contact with the student interns through visits to the internship site and discussions with the student intern's sponsor. In addition, a weekly seminar will be held for a one hour period for follow-up and discussion of the projects. Discussions will center on the progress made by each student and the problems or difficulties encountered during the week.

   a. Types of Experiences:

      (1) Environmental problems come to the attention of the college each term. Many of these problems can be developed into learning experiences for students thus serving the dual purpose of meeting a community need while providing students with meaningful educational experiences. Many of these experiences develop as requests for assistance from such sources as community resource groups, industries, and state agencies. The involvement of the students in the D.E.P. is an example of this type of need. Students interested in being involved in such an experience must submit an application to the internship advisor for aceeptance to the specific project.

      (2) Students who desire to carry out specific research studies in the environmental field may submit a proposal to the internship advisor for consideration. Priority will be given to those students who

wish to enhance their career potential in the environmental field by working with a community resource group, industry, governmental agency, etc. In such cases the student must provide a sponsor besides the internship advisor.

b. Eligibility of Students: Priority will be given to students in their junior or senior year who have had six or more semester hours of credit in the Environmental Studies Concentration. All students may apply for the environmental internship regardless of their major. Students who show specific promise of entering an environmentally related field be considered regardless of standing or credit hours. The course is open by application only and all students will be interviewed prior to acceptance to the course. Screening is viewed as a necessity in order to maintain a high standard of quality in the course.

c. Credit: A student may take from 6-12 semester hours of credit under the environmental internship. The application submitted by the student will call for the number of credits desired by the student for the project. The student must justify the credit hour selection in his/her proposal. The general formula being used is 1 SH of credit for 3 hours of course related work/week. The hours and type of work will vary according to the nature of each project. Since the internship is a pilot course for the 1975 Spring term, students will be asked to log their hours thus providing a more realistic base for awarding credit.

d. Course Requirements:

1. Each student will be required to maintain a journal of his activities throughout the course. The journal will be reviewed at the weekly seminar. The objective of maintaining a journal is two fold; (a) it provides a base for class discussion and evaluation, and (b) it provides the students with experience in recording information and data in an objective clear cut manner characteristic of scientific writing.

2. Each student will be required to log the hours spent on his project each week as well as how these hours were spent. The purpose of logging time is to examine the actual time spent versus the credit hours being awarded to assertain the validity of the formula mentioned above.

3. Each student will summarize his/her experiences in a written report to be submitted to the environmental internship advisor at the completion of the internship. The summary will provide a basis for grading. In addition all summary reports will be placed on file in

the student resource library in the Life Science Office where they can be used for referral by other students and faculty.

5. Course Objectives:

   a. To provide students with exposure to career opportunities in the environmental field.
   b. To utilize resources outside the college in order to expand the educational opportunities of the students.
   c. To allow students to apply their academic training to a realistic environmental problem.
   d. To provide students with first hand experience into the complexity of managing environmental problems.
   e. To provide a holistic experience in environmental problem-solving which can best be achieved through active participation in dealing with an environmental concern.

IV. Rationale:

The Environmental Studies Concentration was developed in 1972. It was conceived as a multidisciplinary program which aimed to provide an awareness of environmental problems to all students regardless of major. Students can meet the requirements of the concentration by completing 18 sh of course work from the 20 courses in the concentration.

Because of an increase in job opportunities in the environmental field the focus of the concentration has now moved from a general awareness of environmental concerns to environmental career planning. The environmental internship serves to provide for career-oriented training not presently available through any other environmental course.

V. Consultations

See enclosed endorsement of Department Chairperson and Academic Dean.

I. Title of the Course: Environmental Internship (undergraduate)
Department: Life Sciences
Sponsor: Dr. Patricia M. Sparks, Coordinator Undergraduate Environmental Concentration

II. Essence

1. Undergraduate course
2. Credit, variable 6-12 s.h.
3. Course Level: juniors and seniors
4. Prerequisites: 6 or more semester hours of credit from the Environmental Studies Concentration
5. Position of the course: The environmental internship serves to provide for career-oriented training not presently available through any other environmental course. It is an extension of the Environmental Studies Concentration.
6. Time scale: The internship was approved by the Short Term Course Committee in December 1974, and was implemented on a pilot basis for the present term.

III. Other Details

1. Staffing adequate
2. Library facilities and needs - adequate
3. Space needs - adequate
4. Course design: Students will be accepted into the course if they meet the criteria established below. The course provides for career-oriented experiences requiring the completion of a predetermined project which can be completed during the 15 week term. The advisor to the internship will work with the students on a one to one basis providing guidance and instruction as needed. The advisor will keep in close contact with the student interns through visits to the internship site and discussions with the student intern's sponsor. In addition, a weekly seminar will be held for a one hour period for follow-up and discussion of the projects. Discussions will center on the progress made by each student and the problems or difficulties encountered during the week.

   a. Types of Experiences:

      (1) Environmental problems come to the attention of the college each term. Many of these problems can be developed into learning experiences for students thus serving the dual purpose of meeting a community need while providing students with meaningful educational experiences. Many of these experiences develop as requests for assistance from such sources as community resource groups, industries, and state agencies. The involvement of the students in the D.E.P. is an example of this type of need. Students interested in being involved in such an experience must submit an application to the internship advisor for aceeptance to the specific project.

      (2) Students who desire to carry out specific research studies in the environmental field may submit a proposal to the internship advisor for consideration. Priority will be given to those students who

wish to enhance their career potential in the environmental field by working with a community resource group, industry, governmental agency, etc. In such cases the student must provide a sponsor besides the internship advisor.

b. Eligibility of Students: Priority will be given to students in their junior or senior year who have had six or more semester hours of credit in the Environmental Studies Concentration. All students may apply for the environmental internship regardless of their major. Students who show specific promise of entering an environmentally related field be considered regardless of standing or credit hours. The course is open by application only and all students will be interviewed prior to acceptance to the course. Screening is viewed as a necessity in order to maintain a high standard of quality in the course.

c. Credit: A student may take from 6-12 semester hours of credit under the environmental internship. The application submitted by the student will call for the number of credits desired by the student for the project. The student must justify the credit hour selection in his/her proposal. The general formula being used is 1 SH of credit for 3 hours of course related work/week. The hours and type of work will vary according to the nature of each project. Since the internship is a pilot course for the 1975 Spring term, students will be asked to log their hours thus providing a more realistic base for awarding credit.

d. Course Requirements:

1. Each student will be required to maintain a journal of his activities throughout the course. The journal will be reviewed at the weekly seminar. The objective of maintaining a journal is two fold; (a) it provides a base for class discussion and evaluation, and (b) it provides the students with experience in recording information and data in an objective clear cut manner characteristic of scientific writing.

2. Each student will be required to log the hours spent on his project each week as well as how these hours were spent. The purpose of logging time is to examine the actual time spent versus the credit hours being awarded to assertain the validity of the formula mentioned above.

3. Each student will summarize his/her experiences in a written report to be submitted to the environmental internship advisor at the completion of the internship. The summary will provide a basis for grading. In addition all summary reports will be placed on file in

the student resource library in the Life Science Office where they can be used for referral by other students and faculty.

5. Course Objectives:

   a. To provide students with exposure to career opportunities in the environmental field.
   b. To utilize resources outside the college in order to expand the educational opportunities of the students.
   c. To allow students to apply their academic training to a realistic environmental problem.
   d. To provide students with first hand experience into the complexity of managing environmental problems.
   e. To provide a holistic experience in environmental problem-solving which can best be achieved through active participation in dealing with an environmental concern.

IV. Rationale:

The Environmental Studies Concentration was developed in 1972. It was conceived as a multidisciplinary program which aimed to provide an awareness of environmental problems to all students regardless of major. Students can meet the requirements of the concentration by completing 18 sh of course work from the 20 courses in the concentration.

Because of an increase in job opportunities in the environmental field the focus of the concentration has now moved from a general awareness of environmental concerns to environmental career planning. The environmental internship serves to provide for career-oriented training not presently available through any other environmental course.

V. Consultations

See enclosed endorsement of Department Chairperson and Academic Dean.