

954. Music Supervision
Summer of even-numbered years. 3(3-0)
Completion of undergraduate program in Music
Education.

**955. Current Tendencies in Music
Education**
Winter of even-numbered years. Sum-
mer of odd-numbered years. 3(3-0) Completion
of undergraduate program in Music Education.

**956. Advanced Research Techniques
in Music**
Spring, Summer. 3(3-0) Approval of
department.
Application of behavioral research to music in-
cluding development and validation of original
data gathering devices.

**960. Analytical Studies in Music
Literature**
Fall, Summer. 3(3-0) 382 and two
years of music literature or approval of depart-
ment.
Melodic, formal, contrapuntal and harmonic anal-
ysis of music from plainsong to contemporary
music.

**961. Analytical Studies in Music
Literature**
Winter, Summer. 3(3-0) 960.
Continuation of 960.

**962. Analytical Studies in Music
Literature**
Spring, Summer. 3(3-0) 961.
Continuation of 961.

970. Contrapuntal Techniques
Fall of odd-numbered years, Summer.
3(3-0) 482 or approval of department.
Advanced contrapuntal practice from the six-
teenth century to the present.

971. Contrapuntal Techniques
Winter of even-numbered years, Sum-
mer. 3(3-0) 970.
Continuation of 970.

972. Contrapuntal Techniques
Spring of even-numbered years, Sum-
mer. 3(3-0) 971.
Continuation of 971.

980. Seminar in Theory
Fall, Winter, Spring, Summer. 3(3-0)
May re-enroll for a maximum of 9 credits. 482
or approval of department.

999. Research
Fall, Winter, Spring, Summer. Vari-
able credit. Approval of department.

NATURAL RESOURCES N R

College of Agriculture and Natural Resources

202. Soils and Man's Environment
Winter. 3(3-0) Interdepartmental
with the Resource Development, and Fisheries
and Wildlife Departments and Soil Science and
administered by Soil Science.
Use of soil and water resources in a techno-
logical society as it relates to environmental
quality. Nature of pollution problems and their
possible solutions. Food production and world
population.

220. Plants and Their Environment
Winter. 3(3-0) Interdepartmental
with and administered by the Forestry Depart-
ment.

Fundamental ecological relationships between
various climatic, edaphic and biotic environ-
mental factors of the ecosystem and plant re-
sponse, including structure, function and evalu-
ation of species.

**275. Exploring International
Agriculture**
Spring. 3(3-0) Interdepartmental
with and administered by Agriculture.

Exploration of overseas assignments with inter-
national agencies; potential world food actuali-
ties and potentialities; special problems of the
tropics compared with those in temperate
regions.

**350. Leadership Development for
Agriculture and Natural
Resources**
Winter, Spring. 3(3-0) May re-
enroll for a maximum of 6 credits. Approval of
department. Interdepartmental with and ad-
ministered by Agriculture.

Leadership development. Preparation for com-
munity leadership. Firsthand look at social,
economic, and political problems. Series of
seminars, interviews, field trips. Emphasis on
awareness, action, and involvement.

399. Agriculture Internship
Fall, Winter, Spring, Summer. Zero
credit. [10 credits.] Juniors and approval of
department. Interdepartmental with and admin-
istered by Agriculture.

An opportunity for exposure to the applied
aspects of a student's major. Supervision and
evaluation conducted by faculty and cooperating
agencies.

**425. Agriculture and Natural
Resources Seminar**
Spring. (2-0) Interdepartmental
with and administered by Agriculture.

Current agricultural, natural resources, and en-
vironmental problems and solutions as pre-
sented by discussion leaders from various disci-
plines, arranged by undergraduate students.

450. Natural Resource Administration
Fall, Spring. 4(4-0) Interdepartmen-
tal with Fisheries and Wildlife, Forestry, Park
and Recreation Resources and Resource Devel-
opment Departments. Administered by the
Forestry Department.

Concepts and methods of administering wild-
land properties. The legal, economic and social
environment. Benefit-cost analysis of manage-
ment changes. Unit organization, personnel
management and accounting. Presents a systems
view of administration.

**471. Environmental Topics in
Nonmetropolitan Regions**
Fall. 4(4-0) Nomination of students
by own department and approved by participat-
ing faculty. Interdepartmental with the College
of Natural Science and Agriculture.

Environmental topics in nonmetropolitan regions
including issues on: production agriculture,
service industries, nonagricultural uses, rural
urban balance, discussion topics and case
studies.

†See page A-2 item 3.

**475. International Studies in
Agriculture and Natural
Resources**
Summer. 3 to 9 credits. Approval of
the college. Interdepartmental with and ad-
ministered by Agriculture.

Study-travel experience emphasizing contem-
porary problems affecting agriculture in the
world, national, and local communities. Field
trips, case studies, interviews with leading ex-
perts, government officials, community leaders.
Supervised individual study.

**491. Natural Resources and Modern
Society**
Spring, Summer. 3(3-0) Juniors.
Interdepartmental with the Forestry and the
Resource Development Departments and ad-
ministered by Forestry Department.

A survey of the social and economic significance
of natural resources in modern industrial and
urban society. Current problems of natural re-
sources management and use are examined in
terms of the society in which they exist.

NATURAL SCIENCE N S

University College

Students may earn credit in only one of the
courses in each of the following three groups:

1. 111, 117, 121, 131, 151, 171H, 181,
322.
2. 112, 118, 122, 132, 152, 162, 172H,
182, 323.
3. 113, 116, 120, 133, 150, 160, 173H,
183, 321.

111. The Nature of Science I
(192A.) Fall, Winter, Spring, Summer.
4(2-3)

The development and validation of scientific
concepts as examples of man's attempt to under-
stand the world in which he lives. Selected
topics from the life sciences illustrate the pro-
cess of scientific investigation.

112. The Nature of Science II
(193A.) Fall, Winter, Spring, Summer.
4(2-3) 111 preferred; or 117, 121, 131, 151,
171H, 181, or 322.

Man's attempts to explain the present in terms
of past events are explored through selected
topics from the life sciences and earth sciences.
Stresses the role of controversy in science and
the nature of scientific evidence.

113. The Nature of Science III
(183., 191A.) Fall, Winter, Spring,
Summer. 4(2-3) 112 preferred; or 118, 122,
132, 152, 162, 172H, or 182.

The origin and development of scientific ex-
planations of the physical world. The origins of
modern science and scientific revolutions.

116. Integrated Studies in Science I
(191D.) Fall, Winter, Spring, Summer.
4(2-3)

Science as a process of studying of nature, ex-
plored through consideration of the organization
science perceives in nature. Topics from the
physical and life sciences used to illustrate the
integration of the sciences into a concept of
natural systems.