

FACULTY SENATE
CURRICULUM COMMITTEE

Approval Form

426-474
75-76-75

Department Life Science Department

Title Tidal Marsh Ecology

Sponsor(s) Dr. Andrew A. Prieto No. of Credits 4

COURSE _____ CONCENTRATION _____

Approved by the department _____ Graduate ()

Not recommended by the department _____ Undergraduate ()

Information copies forwarded: Academic Dean; Chairman; Curriculum Committee

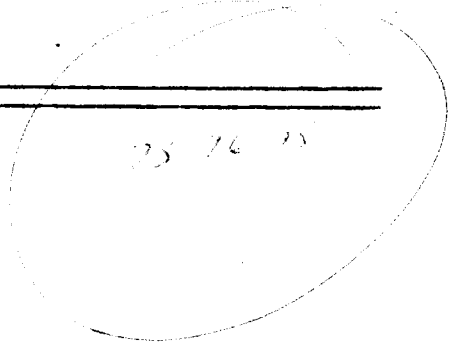
[Signature]
Signature: Department Chairman

DIVISION

Consultation on proposal has been held

Comments: *Special course for N.J. Marine Sciences Consortium*

Don Demaree 3/31/76
Signature: Academic Dean and/or Divisional Committee



CURRICULUM COMMITTEE

Proposal received 4/16/76

Open Hearing held 5/6/76

Returned to the department for the following reason(s):

Approved by the Curriculum Committee 5/16/76

Presented to Executive Committee of the Faculty Senate as information 5/16/76

Notifications forwarded: Vice President for Academic Affairs

[Signature]
Signature: Chairman, Curriculum Committee

ACADEMIC DEAN

I have reviewed the final documents as approved and concur with same.
Budget, faculty and library resources are adequate for immediate implementation.

I have reviewed the final documents as approved and concur with same.
Budget, faculty and/or library allocations for the current academic year
are inadequate for immediate implementation or implementation in the next
fiscal year. The earliest that the proposal might be implemented would be

HEGIS Taxonomy Number: _____

Signature: Academic Dean

Copies forwarded: Chairman, Curriculum Committee; Department Chairman;
Provost; Registrar

REGISTRAR

Approved course description received

Signature: Registrar

PROVOST

Official copy and approval sheet filed

Signature: Provost (or designee)

- Note:
- 1) Course proposal format is attached
 - 2) A copy of this approval form should accompany each proposal
 - 3) A copy of a proposed catalogue description of the course must accompany the proposal as a separate page.

Ecology, Limnology, Geochemistry, Botany, and Zoology of the marshes. In
to the field and laboratory experiences.

VI. Marsh Management

Disturbance of life to plants and animals; water types; equipment in laboratory
materials for determining oxygen levels of water, pH, salinity, and organic content;
soring equipment; slides; maps and charts. Web laboratory. Land and water transportation,
Library resources.

VII. Basic Requirements for the Course

Field and laboratory problems and analysis. Lecture/discussion attendance. Research
paper.

VIII. Bibliography

Adams, D.A. 1968. Factors influence vascular plant variation in North Carolina salt
marshes. *Ecol. Monogr.* 44:445-456

Chapman, V.W. 1960. Salt marshes and salt deserts of the world. L. 1961, London
317 p.

Environmental Protection Agency. 1971. Estuarine pollution study and the
economic and social importance of estuaries.

Farrington, F. and D.M. Jobbins. 1968. Open marsh water management. *Trans. 45th
reg. N. J. Ecog. Entom. Assn.*

Farrington, F. and R.G. MacKinnon. 1969. Ecological approach for improved management
of coastal meadowlands. *Proc. 36th Reg. N.J. Ecog. Entom. Assn.*

Good, R.M. 1965. Salt marsh vegetation, Cape May, N.J. *Ecology* 46:1511-11.

Loeff, G.H. ed. 1967. *Estuaries*. Am. Assoc. Adv. Sci., Washington 116 p.

National Restuarine Pollution Study. 1970. Senate Rec. No. 91-59. U.S. Gov. Pr.
Washington

Nixon, S.W. and G.A. Oviatt. 1974. Mycology of a New England salt marsh. *Ecol
Monogr.* 44:493

Olson, H.W., B.S. Copeland, and R.L. McMahon, ed. 1969. Coastal ecological systems
of the United States. W.H.B. Co. report. UNC. North Carolina, Inst. Mar. Sci.

Radfield, L.W. 1972. Development of a New England salt marsh. *Ecog. Manage.
18:204-217*

Reichel, B.G. 1969. Marsh physiography: Influence on distribution of *Lythrum*
salicaria. *Proc. 36th Reg. N.J. Ecog. Entom. Assn.*

Shvedchen, B.T. and K.C. Henry. 1957. Estuaries and lagoons. I. Physical and
chemical characteristics. In: *Transactions on marine ecology and palaeo-ecology*, Vol. 1,
No. 1, p. 1-10. *Ecology* 38:673-694.

Teal, J.M. 1962. Energy flow in the salt marsh ecosystem. *Ecology* 43:629-644

IX. Notes

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London, 1969.