# Faculty Senate Curriculum Committee

## Approval Form

**Proposal Title:** Coastal Processes & Problems

**Sponsor(s):** Dr. J. Earing

**Dept.:** Marine Science Consortium

**Check one:**
- [ ] Course
- [ ] Specialization
- [ ] Concentration
- [ ] Achievement Certificate
- [X] Certification Program
- [ ] Major Program
- [ ] Minor Change

**Credit Hours:** 4

<table>
<thead>
<tr>
<th>Step 1 (Department)</th>
<th>Step 2 (Receipt)</th>
<th>Step 3 (School CC)</th>
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<tbody>
<tr>
<td><strong>Approved</strong> 3/7/86</td>
<td><strong>Proposal Received</strong> 3/7/86</td>
<td><strong>Reviewed</strong> 4/3/86</td>
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<tr>
<td>[X] Approved</td>
<td>[ ] Not Approved</td>
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<td>[ ] Reviewed</td>
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<td>Comments:</td>
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**Chairperson, Dept.:**

**Chairperson, SCC:** Brenda A. Bolley

**Chairperson, School Curr. Comm.:**

<table>
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<tr>
<th>Step 4 (Academic Dean)</th>
<th>Comments:</th>
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<td><strong>Reviewed</strong></td>
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**Signature, Dean of School:**

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<tr>
<th>Step 5 (SCC)</th>
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<tr>
<td>Open Hearing 3/21/86</td>
<td>[X] Approved by Senate Curriculum Committee 3/27/86</td>
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<td>[ ] Returned to sponsor(s) for the following reasons:</td>
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<th>Step 6 (Faculty Senate)</th>
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<td>Presented to Faculty Senate: 4/15/86</td>
<td>[X] Approved</td>
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<tr>
<td>[ ] Not Approved</td>
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<tr>
<td>[ ] Notification to Vice-President Academic Affairs 4/15/86</td>
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<td>[ ]</td>
<td>Brenda A. Bolley</td>
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**Signature, SCC Chairperson:** Brenda A. Bolley

**Rev:** 5/82
Step 7 (Vice-President for Academic Affairs)

Received 4/15/86

If no, reasons are as follows:

Student credit hours __________
Faculty load hours __________
Equalized credit hours __________
Official copy and approval sheet filed 9/10/86

Signature ____________________________
Vice-President for Academic Affairs

Registrar

Approved course description received __________
Hegis Taxonomy and Course Number assigned __________

Signature ____________________________
Registrar ____________________________ Date

Notification forwarded: Senate Curriculum Committee Chairperson, Department Chairperson(s), Academic Dean(s), Registrar, Sponsor(s).
Glassboro State College is a member of the N.J.M.S.C.

All proposals for courses taught through the N.J.M.S.C. are first submitted to and passed by the curriculum committee of the home institution of the individual proposing the course. They are then evaluated and acted on by the N.J.M.S.C. Academic Committee. Once accepted by the Consortium, course proposals are then sent to member institutions for action by the individual college's curriculum committee for credit by that member institution.

Dr. C. Joseph Waring,
Glassboro State College
Representative to the
New Jersey Marine Sciences Consortium.
I. Brief Description of the Course

The development, modification, geologic history, and problems of New Jersey's coast.

Prerequisite: Permission of the instructor.

II. General Aim of the Course

To acquaint the student with the general aspects of New Jersey's shoreline through classroom, laboratory, and field studies.

III. Specific Objectives of the Course

To investigate the materials and processes that are involved in the development and modification of New Jersey's littoral, shoreline, and tidal marsh environments. To familiarize the student with the geologic history of this shoreline. To make use of the laboratory and field techniques employed in the study of shorelines. To familiarize the student with the geologic, economic, social, environmental, and political problems of the state's coast.

IV. Content and Scope of the Course

A. Description of New Jersey's coast.
B. Geologic history of this coast - coastal paleogeography.
C. Processes involved in development and modification of the coast.
D. Environmental, social, economic, and political problems associated with the coastal zone.
E. Protection against the ravages of nature and man on the coast.

V. Procedures, Techniques, and Methods

Classroom presentation; laboratory analyses; and interpretation of field-collected data.
VI. Instructional Materials

Topographic maps and bathymetric charts, field sampling equipment; mechanical shaker and sieves; binocular microscopes; general laboratory equipment and supplies; library resources including coastal agency reports and new clippings of the state's coastal problems.

VII. Basic Requirements for Completion of the Course

Reports on field and laboratory investigations. Completion of assigned outside readings. Mid-term and final examinations.

VIII. Text:


IX. Bibliography


IX. Bibliography, Continued


Selected journal and book references on pertinent topics.