

University of Rhode Island

DigitalCommons@URI

---

Faculty Senate Bills

Faculty Senate

---

2-24-1977

## Proposal for a Master of Arts Degree in Marine Affairs

University of Rhode Island Faculty Senate

Follow this and additional works at: [https://digitalcommons.uri.edu/facsen\\_bills](https://digitalcommons.uri.edu/facsen_bills)

---

### Recommended Citation

University of Rhode Island Faculty Senate, "Proposal for a Master of Arts Degree in Marine Affairs" (1977). *Faculty Senate Bills*. Paper 525.

[https://digitalcommons.uri.edu/facsen\\_bills/525](https://digitalcommons.uri.edu/facsen_bills/525)

This Legislation is brought to you by the University of Rhode Island. It has been accepted for inclusion in Faculty Senate Bills by an authorized administrator of DigitalCommons@URI. For more information, please contact [digitalcommons-group@uri.edu](mailto:digitalcommons-group@uri.edu). For permission to reuse copyrighted content, contact the author directly.

UNIVERSITY OF RHODE ISLAND  
Office of the Vice President for Academic Affairs

M E M O R A N D U M

RECEIVED

MAY 16 1977

UNIVERSITY OF RHODE ISLAND  
FACULTY SENATE

TO: Dean Barry Marks

FROM: William R. Ferrante

DATE: May 12, 1977

*Bill*

This is to notify you that both the Subcommittee for Post-secondary Education and the Board of Regents have approved: (a) the merger of the Master of Marine Affairs Program into a new Department of Geography and Marine Affairs, and (b) the offering of the option in Marine Environmental Policy. We are pleased that the Board of Regents was very supportive of these changes and of the developments in the Geography Department in the Marine Affairs area.

esp

cc: L. Alexander  
J. Knauss  
M. Honhart  
D. Bergen ✓

UNIVERSITY OF RHODE ISLAND  
KINGSTON, R. I. 02881

---

Office of the President

March 7, 1977

Professor Daniel J. Bergen, Chairperson  
Faculty Senate  
Roosevelt Hall  
Campus

Dear Dan:

I have signed Faculty Senate Bill No. 76-77--22, "Proposal for a Master of Arts Degree in Marine Affairs," and am forwarding it to the Postsecondary Subcommittee of the Board of Regents for action.

Sincerely,



Frank Newman

cc: L. Alexander  
C. Cameron  
W. Ferrante  
M. Honhart  
J. Knauss  
L. Lucietto  
A. Michel  
D. Nixon

RECEIVED

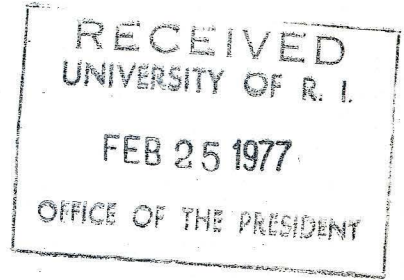
MAR 9 1977

UNIVERSITY OF RHODE ISLAND  
FACULTY SENATE

UNIVERSITY OF RHODE ISLAND  
Kingston, Rhode Island

FACULTY SENATE  
BILL

Adopted by the Faculty Senate



TO: President Frank Newman

FROM: Chairman of the Faculty Senate

1. The attached BILL, titled Proposal for a Master of Arts Degree in Marine Affairs

is forwarded for your consideration.

2. The original and two copies for your use are included.
3. This BILL was adopted by vote of the Faculty Senate on February 24, 1977 (date)
4. After considering this bill, will you please indicate your approval or disapproval. Return the original or forward it to the Board of Regents, completing the appropriate endorsement below.
5. In accordance with Section 8, paragraph 2 of the Senate's By-Laws, this bill will become effective on March 17, 1977 (date), three weeks after Senate approval, unless: (1) specific dates for implementation are written into the bill; (2) you return it disapproved; (3) you forward it to the Board of Regents for their approval; or (4) the University Faculty petitions for a referendum. If the bill is forwarded to the Board of Regents, it will not become effective until approved by the Board.

February 25, 1977  
(date)

Daniel P. Bergen  
Daniel P. Bergen  
Chairman of the Faculty Senate

-----  
ENDORSEMENT 1.

TO: Chairman of the Faculty Senate

FROM: President of the University

1. Returned.
2. Approved ✓ Disapproved \_\_\_\_\_
3. (If approved) In my opinion, transmittal to the Board of Regents ~~is not~~ necessary.

3/7/77  
(date)

F. Newman  
President

*Approved by P & R*  
*4/20/77*

(OVER)

ALTERNATE ENDORSEMENT 1.

TO: Chairman of the Board of Regents

FROM: The University President

1. Forwarded.
2. Approved.

\_\_\_\_\_  
(date)

\_\_\_\_\_  
President

---

ENDORSEMENT 2.

TO: Chairman of the Faculty Senate

FROM: Chairman of the Board of Regents, via the University President.

1. Forwarded.

\_\_\_\_\_  
(date)

\_\_\_\_\_

\_\_\_\_\_  
(Office)

---

ENDORSEMENT 3.

TO: Chairman of the Faculty Senate

FROM: The University President

1. Forwarded from the Chairman of the Board of Regents.

\_\_\_\_\_  
(date)

\_\_\_\_\_  
President

---

Original received and forwarded to the Secretary of the Senate and Registrar for filing in the Archives of the University.

\_\_\_\_\_  
(date)

\_\_\_\_\_

Chairman of the Faculty Senate

## PROPOSED M.A. DEGREE IN MARINE AFFAIRS

### I. Summary of Proposal

The M.A. in Marine Affairs would be a forty-two credit, thesis graduate program. The Program would start in 1976-1977. Candidates for the M.A. in Marine Affairs would take the 21 required course credits of the MMA Program and 15 elective credits. A six credit master's thesis of an interdisciplinary nature would complete their program of study.

### II. The Unique Nature of the Proposed Program

In the past several years, the University has taken a lead in the area of Marine Affairs. The Master of Marine Affairs Program is widely acclaimed throughout the country. To date over one-hundred and twenty-five individuals have graduated from the Master of Marine Affairs Program and many of these individuals now hold key marine management positions with state/federal agencies and various industries, (appendix 1).

Other universities now offer programs related to marine policy (appendix 2). However, with the exception of the University of Delaware none are truly interdisciplinary. An examination of the marine programs offered reveals a trend toward specialization at the various institutions in such areas as ocean law, environmental studies, resource economics, fisheries management, and coastal zone processes. Although, the Master of Marine Affairs Program was initially conceived to provide a broadly based background for work in such areas, it is now recognized that these areas have in recent years become disciplines. The proposed M.A. in Marine Affairs would give the student a broad based background in marine management yet permit the student to specialize and further develop his/her research interests in these disciplines. Such an option would enhance the value of the Marine Affairs Program, particularly for individuals who lack previous marine management experience. Graduates from the proposed program would find many job opportunities in this time of ocean awareness.

### III. Program of Study

The Master of Arts Program would be directed toward individuals from both the sciences and social sciences. Students pursuing the M.A. degree would take a maximum of twenty-one required course credits and a minimum of fifteen elective course credits approved by their thesis committee. In addition, the student will write a six-credit master's thesis of an interdisciplinary nature. Each student will select as a thesis advisor a member of the MMA core faculty, the remaining members of their committee will be chosen from the MMA Advisory Faculty (appendix 3). In exceptional cases, a student may select as a thesis advisor a member of the Advisory Faculty. It would also be possible for a student to select as a committee member an individual who is not on the MMA Advisory Faculty.

### Required Courses

The required courses for the M.A. in Marine Affairs expose the students to the various disciplines that contribute to ocean management. If a student has a strong background in one of the areas of study, he may waive that required course. The number of "required courses" credits total a maximum of twenty-one.

MAF 651, 652	Marine Affairs Seminar	Staff
GEG 571	Marine Geography	Alexander
REN 514	Economics of Marine Resources	Rorholm
OEE 500	Basic Ocean Engineering	Sheets
OOG 401	General Oceanography	Staff
PGC 464	International Law	Gamble
MAF 699	Masters Thesis Research	

### Elective Courses

Students will have a minimum of fifteen elective credits. These courses should be selected on the basis of the student's background, interests and professional goals. Prior to selecting his electives, the candidate must receive approval of his marine affairs advisor. The following is a list of suggested electives:

#### Community Planning

501	Introduction to Community Planning History and Theory	Foster
505	Planning Studio I	Staff
506	Planning Studio II	Staff
570	Plan Implementation	Staff
601	Planning Law Seminar	Brooks
621	Land Resource Economics	Jeffrey
634	Environmental Law	Brooks
652	Values and Prediction in Planning	Jeffrey

#### Geography

432	Seminar in Political Geography	Alexander
446	Geography of the Polar Regions	Havens
502	Research Methods in Geography	Staff
542	Seminar in Economic Geography	Staff
545	Geography of the North Atlantic Basin	Alexander

#### Oceanography

501	Physical Oceanography	Knauss
509	Ecological Aspects of Marine Pollution	Eisler
521	Chemical Oceanography	Pilson
540	Geological Oceanography	McMaster

567	Marine Bacteriology	Sieburth
568	Fishery Biology	Saila
571	Benthic Environment	Norton
621	Estuary and Coastal Zone	Marshall/Lampe
660	Ecological Concepts in Marine Research	Jeffries
614	Tides	
613	Waves	

Ocean Engineering

521	Materials Technology in O.E.	Sheets
532	Coastal Zone Power Plants	Brown/Rose
540	Environmental Control in O.E.	Scheneck
561	Intro. to the Analysis of Oceanographic Data	LeBlanc
571	Underwater Acoustics I	Stepanisher
672	Underwater Acoustics II	Stepanisher
524	Marine Structural Design	McEwen

Civil Engineering

570	Sanitary Chemistry	Sussman
572	Biosystems in Sanitary Engineering	Poon
575	Open Channel Hydraulics	Poon
585	Soil Stabilization	Staff
587	Ground Water Flow & Seepage Pressure	Nacci/Wang
673	Theory of Water Purification & Treatment	Campbell
677	Stream and Estuarine Analysis	Campbell

Food and Nutritional Science

502	Advanced Experimental Foods	
503	Nutrition Research Methods	
505/506	Marine Foods Seminar	

Sociology

408	Industrial Sociology	
414	Demography	
420	Sociology and the Environment	
432	Ecology of the Community	
436	Sociology of Politics	
448	Sociology of Science	
502	Contemporary Sociological Theory	
512	Concepts of Social Structure	

Political Science

421	State and Local Government	Leduc
431	International Relations	Warren
432	International Government	Warren
434	American Foreign Policy	Tyler

~~Organizational Management and Industrial Relations~~

431	Advanced Management Seminar	
530	Management Theory and Practice	
626	Organizational Behavior	



Political Science Cont.

464	International Law	Gamble
491	Principles of Public Administration	Staff
498	Public Administration and Policy Formulation	Staff
502	Techniques of Public Management	LeJuc
512	Seminar in Marine Science Policy & P. Law	Staff
568	Jurisprudence	Wood
572	Problems in International Relations	Gamble
590	Internship in Public Administration	Staff
595	Problems of Modernization in Dev. Nations	Staff

Marine Affairs

5--	Directed Studies (Proposed)	Staff
521	Coastal Zone Law	Cameron
523	Fisheries Law and Management	Cameron

Resource Economics

550	The Economic of Exh. Marine Resources	Grigalunas
527	Macroeconomic Theory	Hume
523	Microeconomic Theory	Rayack
532	Land Resource Economics	See CPL 532
534	Economics of Resource Development I	Gates
634	Economics of Resource Development II	Staff
543	Economic Structure of the Fishing Industry	Holmsen
635	Marine Resources Policy	Norton

Fisheries Technology

416	Marine Transportation	Motte
452	Industrial Fishery Technology	Meade

Potential Programs of Study

Example 1-- Coastal Zone Management specializing in energy facilities siting in the Coastal Zone. Field of concentration in Community Planning prior to entrance into the M.A. Program in Marine Affairs.

A. Required Courses

MAF	651, 652	Marine Affairs Seminar	6
GEG	571	Marine Geography	3
REN	514	Economics of Marine Resources	3
OCE	500	Basic Ocean Engineering	3
OCG	401	Basic Oceanography	3
PSC	464	International Law	3

Total Credits Required Courses 21

B. Elective Courses

REN 635	Marine Resources Policy	3
CPL 634	Environmental Law	3
MAF 521	Coastal Zone Law	3
OCE 532	Coastal Zone Power Plants	3
OCG 621	Estuary and Coastal Zone	3
Total Credits Elective Courses		<u>15</u>

C. Thesis

(Power Plant Siting in the Coastal Zone) 6

Total Credits 42

Example 2-- Coastal Zone Processes specializing in Physical Water Characteristics in the Coastal Zone. Field of concentration in Oceanography prior to entrance into the M.A. Program in Marine Affairs.

A. Required Courses

MAF 651; 652	Marine Affairs Seminar	6
GEG 571	Marine Geography	3
REN 514	Economics of Marine Resources	3
OCE 500	Basic Ocean Engineering	3
PSC 464	International Law	3
Total Credits Required Courses		<u>18</u>

B. Elective Courses

OCG 621	Estuary & Coastal Zone	3
REN 534	Economics of Resource Development	3
MAF 521	Coastal Zone Law	3
REN 635	Marine Resources Policy	3
OCG 614	Tides	3
CVE 677	Stream and Estuarine Analyses	3
Total Credits Elective Courses		<u>18</u>

C. Thesis

(Water Movement in the Coastal Zone and Its Economic Benefits) 6

Total Credits A + B + C 42

Example 3-- International Marine Affairs with a specialization in World Ocean Management. Field of concentration in political science prior to entrance into the M.A. Program in Marine Affairs.

A. Required Courses

MAF	651, 652	Marine Affairs Seminar	6
GEG	571	Marine Geography	3
REN	514	Economics of Marine Resources	3
OCE	500	Basic Ocean Engineering	3
OCG	401	Basic Oceanography	3
Total Credits Required Courses			<u>18</u>

B. Elective Courses

PSC	578	International Law and Politics of the Oceans	3
PSC	504	Politics of Developing Areas	3
PSC	572	Problems in International Relations	3
PSC	595	Problems of Modernization in Developing Nations	3
REN	527	Macroeconomic Theory	3
GEG	432	Seminar in Political Geography	3
Total Credits Elective Courses			<u>18</u>

C. Thesis

(A World Ocean Management Authority - Its Source of Power and Potential Growth.)

6

Total Credits A + B + C

42

IV. Availability of Resources for the Program at the University of Rhode Island

Enrollment in the M.A. Program will be limited to approximately ten students each year. These students will be easily assimilated into the present structure of the Marine Affairs Program. Therefore, no additional resources will be required.

Faculty

The anticipated faculty load will be minimal. The MMA core faculty members include Dr. Francis X. Cameron, Dr. Niels West, Mr. James Spiro, Dr. Marshall, and Dr. Lewis M. Alexander. At present only Dr. Alexander and Dr. Marshall are thesis advisors for masters students from another program, (Geography and Oceanography). Therefore, the MMA faculty

would be able to handle the additional student advising load. Other members of the student's committee will be selected from the MIA advisory faculty, who have agreed to serve as theses advisors or committee members if applicable.

#### Facilities

The physical research facilities and library resources within the university community will be sufficient for the increased student load. We are also very fortunate to have a specialized Marine Affairs Library which contains books, journals and reports relevant to marine management issues which students may wish to investigate. The library is noted for its unique collection of "grey literature" including documents and statistical summaries from U.S. and foreign sources, international and national conference materials, U.S. Congressional reports and various state and local publications.