

1993

# Master's Degree Programs in Marine Biology and Coastal Zone Management 1993

Nova University

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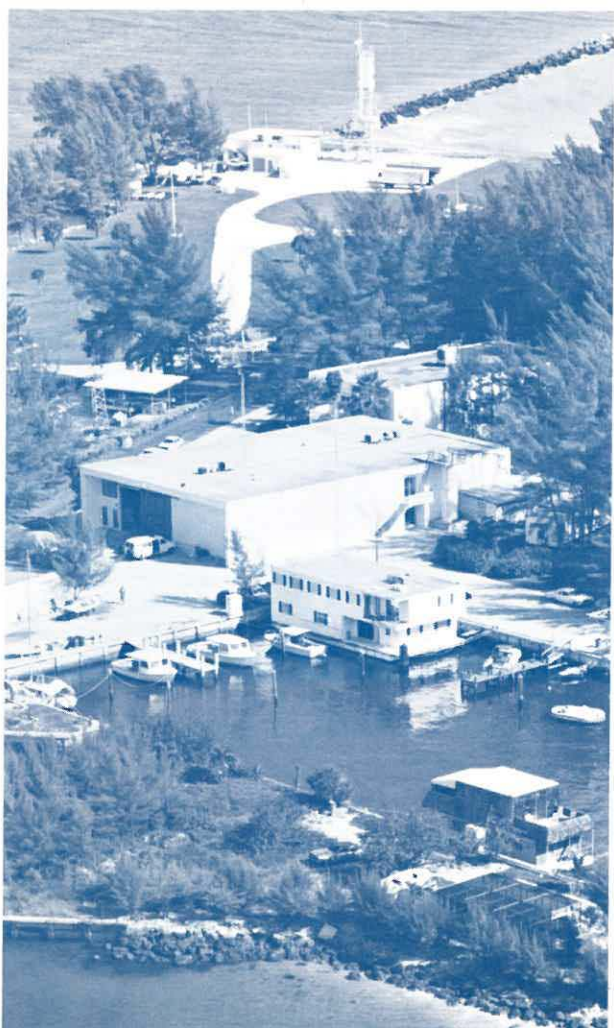
## NSUWorks Citation

Nova University, "Master's Degree Programs in Marine Biology and Coastal Zone Management 1993" (1993). *Halmos College of Natural Sciences and Oceanography Course Catalogs*. 27.  
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Master's Degree (M.S.)

**PROGRAMS  
IN MARINE BIOLOGY  
AND COASTAL ZONE  
MANAGEMENT**



# COASTAL ZONE MANAGEMENT AND MARINE BIOLOGY

## **DESIGNED FOR:**

- Bioscientists and geoscientists
- Marine and coastal scientists, technicians
- Environmental managers
- Planners
- Secondary education teachers.

## **PROGRAM BASICS:**

- Evening 3-credit courses
- 12-week terms
- Four terms/year
- Two courses/specialty/term
- Thesis, nonthesis options.

## **“SPECIAL STUDENT” STATUS AVAILABLE**

- Courses can be taken for credit or audit, without admission to degree program.
- Upon student's acceptance, credits are fully applicable to degree program or for transfer elsewhere.

## **DEGREE REQUIREMENTS:**

- Thesis option: 36 credits  
(27-30 course credits, minimum of 6 thesis credits)
- Nonthesis option: 39 credits  
(36 course credits, 3-credit paper)
- Joint CZM-Marine Biology option  
(48-51 minimum credits, thesis and nonthesis options)
- A full-time student taking two 3-credit courses/term can finish course work in 18 months. Thesis research or the nonthesis option paper can begin concurrently with later stage course work.

## **COURSES OFFERED (3 CREDITS EACH):**

Four "core" courses required in each specialty:

- Marine Ecosystems
- Marine Geology
- Marine Physics
- Marine Chemistry

**Marine Biology** specialty courses include:

- Marine Ichthyology
- Methods in Plankton Ecology
- Marine Invertebrates
- Marine Microbiology
- Marine Phytoplankton
- Marine Zooplankton
- Dynamic Biological Oceanography
- Marine Botany
- Functional Morphology and Physiology of Fish

**Coastal Zone Management** specialty courses include:

- Dry Coastal Ecosystems
- Principles of Coastal Zone Management
- Law and the Coastal Zone
- Coastal Protection and Engineering
- Florida Environmental Regulation
- Marine Archaeology
- Coastal Water Resource Impacts
- Wetlands Ecology
- Policy in Coastal Zone Systems

**Joint** specialty courses include:

- Aquaculture
- Aspects of Coastal Pollution
- M.S. Thesis Research
- M.S. Nonthesis Option Paper

Laboratories and/or day field trips are included in some courses.

**1993/1994**

### **COSTS:**

- Tuition: \$300/credit hour
- One-time application fee: \$30
- Registration fee: \$25/term.

## **STUDENT HOUSING AVAILABLE:**

- At Nova's main campus (Fort Lauderdale, Florida)
- In local area

## **FINANCIAL AID AVAILABLE:**

- Student loans
- Limited work-study
- Limited scholarships
- Limited Teaching Assistantships

## **APPLICATION/ADMISSION PROCEDURES:**

Requirements:

- Baccalaureate degree (B.A./B.S.) from a regionally accredited institution
- Academic record indicating ability to pursue advanced study and research
- Applicants in marine biology should have *majored in one of the natural sciences or science education*
- Applicants in coastal zone management should have *some background in one of the natural sciences or science education.*



Master of science group program cons

## **APPLICATION MATERIALS:**

- Application form and application fee
- Three letters of recommendation
- Academic records (official transcripts from all postsecondary institutions attended)
- Graduate Record Examination scores (if available)
- Statement of career goals
- For foreign students: TOEFL of 550 or equivalent test results; financial statement (for I-20)

## **SEND ALL APPLICATION MATERIALS DIRECTLY TO:**

Dr. Richard Dodge/Dr. Curtis Burney/Ms. Bonnie Pastor  
Institute of Marine and Coastal Studies  
Master's Program  
Nova University  
Oceanographic Center  
8000 North Ocean Drive  
Dania, Florida 33004

**If further information is desired, please write to the above address or call (305) 920-1909. For FAX transmission, the number is (305) 947-8559.**



**of traditional classroom and field trip experiences.**

## **ADJUNCT AND AFFILIATE TEACHING FACULTY**

**Dr. Bart J. Baca**, Program Director, Coastal Science Associates, Jacksonville Beach; Senior Research Scientist, Nova University

**Dr. James Bohnsack**, NOAA-National Marine Fisheries Service, Miami

**Dr. M. Elizabeth Clarke**, Fish Hatchery Director, University of Miami, Miami

**Mary Beth Corrigan**, Tetra Tech, Fairfax, Virginia

**Dr. Alan Craig**, Professor of Geography, Florida Atlantic University, Boca Raton

**David DeMay**, Department of Biology, St. Thomas University, Miami

**Dr. Steven C. Hess**, Environmental Resource Management-South, Inc., Miami

**Stephen J. King**, Esq., Practicing Attorney, Fort Lauderdale

**Dr. Stephen S. Light**, Policy Director, South Florida Water Management District, West Palm Beach

**Stacy Myers**, M.S., South Florida Water Management District, Lake Worth

**Dr. Donald McCorquodale**, Spectrum Analytical Labs, Miami

**Steven Sommerville**, M.P.A., Broward County Environmental Quality Control Board, Erosion Prevention District, Fort Lauderdale

**Dr. William Venezia**, U.S. Naval Surface Warfare Center, Hollywood/Fort Lauderdale

**Dr. Keith Ronald**, Dean, College of Biological Science, University of Guelph, Canada

**Laura Geselbracht**, M.S., Environmental Planner, Fort Lauderdale

## **ACADEMIC FACULTY: INSTITUTE OF MARINE AND COASTAL STUDIES, NOVA OCEANOGRAPHIC CENTER**

<b>Dr. Nathaniel Apter</b> Resident Adjunct Professor	Biology
<b>Dr. Patricia Blackwelder</b> Associate Professor	Geology/Biology
<b>Dr. Curtis Burney</b> Associate Professor M.S. Program Associate Director	Chemistry/Biology
<b>Dr. C. Andrew Cole</b> Assistant Professor	Wetlands Ecology
<b>Dr. Richard Dodge</b> Associate Professor Associate Center Director M.S. Program Director	Geology/Biology
<b>Dr. Gary Kleppel</b> Associate Professor	Biological Oceanography
<b>Dr. Pijush Kundu</b> Professor	Physical Oceanography
<b>Dr. Julian P. McCreary, Jr.</b> Professor Dean	Physical Oceanography
<b>Dr. Charles Messing</b> Associate Professor	Invertebrate Marine Biology
<b>Dr. Jeffrey A. Proehl</b> Assistant Professor	Physical Oceanography
<b>Dr. Russel Snyder</b> Professor	Physical Oceanography
<b>Dr. Richard Spieler</b> Associate Professor	Biological Oceanography/ Ichthyology
<b>Dr. Mahmood Shivji</b> Assistant Professor	Molecular Biology

Nova University is accredited by the Commission on Colleges of the Southern Association of Colleges and Schools to award bachelor's, master's, educational specialist, and doctoral degrees. Nova University admits students of any race, color, sex, age, nondisqualifying handicap, religion or creed, or national or ethnic origin.



 **NOVA**UNIVERSITY  
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(305) 920-1909

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