

Bathybius

University of Miami Undergraduate Marine and Atmospheric Science Program January 2012

ALL THE "OOZE" THAT'S FIT TO PRINT - ON THE WEB AT: <http://www.rsmas.miami.edu/undergrad>

Welcome - We welcome our new and returning students. Please feel free to stop by the Marine and Atmospheric Science Office for advising, or to check on research, volunteer and job opportunities, upcoming events, information on clubs, and other announcements.

The Marine Science Office is in Room 210-A of the Ungar Building.
Our telephone number is (305) 284-2180. Our office email is marsci@miami.edu .
The Program website is: <http://www.rsmas.miami.edu/undergrad> .

OFFICE HOURS ARE 8:30 AM – 5:00 PM, Monday – Friday.

We wish you well in the upcoming semester. Please be sure meet with your advisor for any academic concerns that you may have.

The advisors in the program are:

Marine Science

Dr. Gary Hitchcock
Dr. Donald Olson
Dr. Jill Richardson
Dr. Danielle Mc Donald
Dr. Larry Peterson
Dr. Lynne Fieber

Marine Affairs

Prof. Maria Estevanez

Meteorology

Dr. Paquita Zuidema
Dr. David Nolan



Notes from the Director. Welcome to the spring 2012 semester! This term MSC will host an information session with Mr. Andrew DeChellis, Communications Specialist for RSMAS, on Feb 22 at 7:30 PM in Cox 184. He will cover opportunities for social media, and provide details of a blog for RSMAS undergraduates. In March MSC will hold an evening session to describe opportunities after graduation, and an information session on future changes to the MSC Program. There will also be an evening session describing the UGalapagos Program for 2013 and several Study Abroad opportunities. In April we will schedule a seminar on research on marine turtles and mammals by two investigators from NOAA. Stay tuned!

MSC Newsletter -

The Bathybius, the Marine Science Newsletter, will be posted on the web to keep you up to date on academic and other information that could be of interest to marine science, marine affairs and meteorology students. You may view it on the web at:

MSC Computer Lab -

The Marine Science Lab at Cox 184 has computers for MSC students' use between 8:30 AM to 4:45 PM, Monday through Friday, except during scheduled classes in the lab. You may use them to access your email and for the World Wide Web. The computers also have a number of programs that you will be using in your marine science lab courses.

Student Email -

Students should provide the University with a preferred email address for entry into the University's database. This enables professors to email assignments, information and important notices to you. If you have not already provided the University with your email preferred email address, you may do so by logging on to My UM, then select Student Menu.

University Resources -

Please remember that the University has numerous resources that can help you, from the Library Services to the Toppel Career Placement Center. We hope that you will use these resources during your stay at the University. We would like to provide you with additional information on a few, which may be helpful to you such as:

STUDENT ACADEMIC DEVELOPMENT CENTER - This Center is particularly helpful in preparing students. It offers tutoring (at no charge, in most cases) and support. It is located on the second floor of the University Center, Suite N-201. The telephone number is 305-284-2800.

My UM SYSTEM - The My UM system permits you to view information such as student accounts, grades, employment opportunities and registration. To access the system, you will need to go to <http://easy.miami.edu/> or www.miami.edu and click on the My UM option at the top. If you're new to the system, click on "first time user" and follow the instructions. If you have any questions, please call 305-284-5455 or email the Registrar at registrar@miami.edu.



RSMAS LIBRARY - The RSMAS library has extensive holdings in the literature of atmospheric and marine sciences and marine affairs. It also has direct access to other UM Library systems. For information, please call the library at (305) 361-4060 or visit the website at: <http://www.rsmas.miami.edu/support/lib/>

MATH LAB - The Math Lab offers individual tutoring to students on appointment basis. Students registered in math courses below the 300 level are given priority. Please contact Dr. Leticia Oropesa at 284-2575 for more information.

CHEMISTRY RESOURCE CENTER - Assists all students taking 100 - 200 level chemistry courses. Graduate students provide individual and small group tutoring. Call 284-5165 for more information.

Please consult the Undergraduate Bulletin of the University of Miami at www.miami.edu/bulletin for other university resources not listed above.

Internships and Jobs — are viewable on the window of the MSC office.

You may also wish to view the following websites:

RECENTLY POSTED INTERNSHIPS:

NSF REU –

http://www.nsf.gov/crssprgm/reu/reu_search.cfm

NOAA – Educational Partnership Program

<http://epp.noaa.gov>

DOLPHINS PLUS

<http://www.dolphinsplus.com>

SOUTH FLORIDA STUDENT SHARK PROGRAM

<http://www.rsmas.miami.edu/groups/fmg/research/sfssp.html>

WHALE CENTER OF NEW ENGLAND –

<http://www.whalecenter.org/research-whales/whale-center-internships.html>

HOPKINS MARINE STATION, STANFORD UNIVERSITY

<http://hopkins.stanford.edu/careers.htm>

MARINE BIOLOGY WEB, SUNY STONY BROOK

<http://life.bio.sunysb.edu/marinebio/intern99.html>

NATIONAL WEATHER ASSOCIATION

<http://www.nwas.org/jobs.html>

MARINE CONSERVATION BIOLOGY INSTITUTE

http://www.mcibi.org/resources/res_career.htm

AMERICAN METEOROLOGICAL SOCIETY

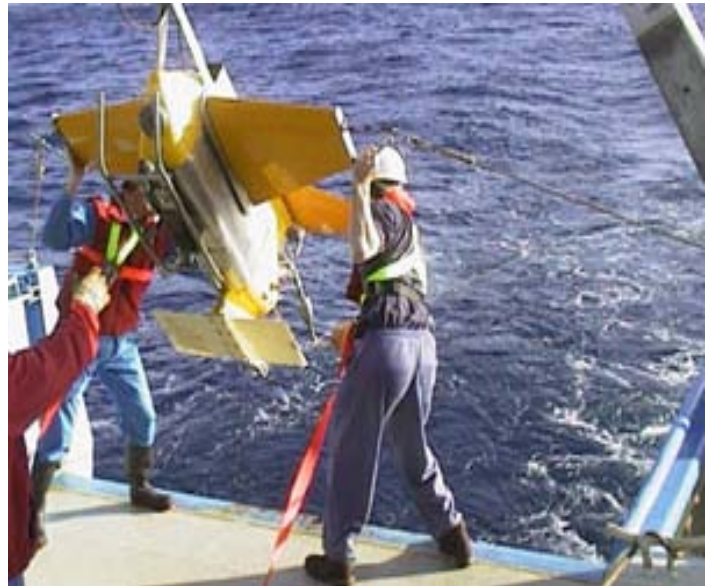
<http://www.ametsoc.org/>

SEA GRANT MARINE CAREERS

<http://www.marinecareers.net/>

SOCIETY FOR MARINE MAMMALOGY

<http://www.marinemammalscience.org/>



Student Organizations -

There are several student organizations at the University of Miami, which deal with environmental issues and marine affairs. Among them are:

[RHO RHO RHO](#) - The Marine Science Honor Society. Members work to develop research skills, scholarship, and career opportunities for fellow students. They are also dedicated to service to the marine community. More information is available on the Rho Rho Rho website at: <http://penguin.bio.miami.edu/rhorhorho/>

[MARINE MAMMAL STRANDING NETWORK](#) - This organization works with the National Marine Fisheries Service to respond to marine mammal strandings in Southeast Florida. It also organizes training for members in marine mammal photo identification, anatomy, and physiology. For information, you may email mmstcanes@gmail.com.

[SCUBA CLUB](#) - The club has been active in sponsoring weekend dives that have archaeological and photographic as well as scientific appeal. It also invites locally and nationally renowned speakers to its meetings. If you like to dive, this is a great way to meet people. The club is open to all University of Miami students. For more information you may go to: www.umscuba.org or email umscuba@gmail.com .



[PROPELLER CLUB](#) - The Propeller Club Port of University of Miami fosters understanding of marine and maritime industries with meetings and invited lectures. The club has close ties with the *Propeller Club Port of Miami*. For information, please contact Prof. Maria Estevanez at: mestevanez@rsmas.miami.edu.

[EARTH ALERT](#) - This environmental club has been active across the campus. Among its projects are campus recycling, highway and beach clean-ups, and waterway monitoring. If interested, please email: earth_alert@yahoo.com

[SAILING CLUB](#) - This organization was founded to promote the great sport of sailing through both recreational and competitive means. The club sails every Sunday from the RSMAS campus and provides a beach and picnic atmosphere along with the fun and excitement of sailing. For information, please email sailingcanes@gmail.com.

[AQUARIUM CLUB](#) - This newly formed club was founded last semester and is open to students who currently maintain aquariums, would like to start one up, or anyone who simply has an interest in aquariums. If you would like to learn more about this group, please signup in the MSC office and you'll be added to their email list. You may also contact club board member Kasey Cantwell at: <http://umaquariumclub.weebly.com/index.html>

[ATMOSPHERIC CLUB](#) - The Atmospheric Club participates in the National Forecasting Contest, visits weather laboratories and operates their own weather station. Club members also participate in atmospheric research and present at local and national meetings. For additional information, please email: atmocclub.studorg@miami.edu



[If you are interested in these organizations, please visit the Marine Science office.](#)

The clubs normally post their meeting times and locations, and the names and telephone numbers of their contact persons on the MSC office window during the first two weeks of classes. Throughout the semester, current information is available from the club mailboxes, which are located inside the MSC office.

RSMAS SHUTTLE SCHEDULE - SPRING 2012



Shuttle service ends on the last day of classes.

January 17, 2012 – May 09, 2012

2012 Spring Shuttle Schedule

Monday through Friday

Departure time:	To and From:
7:45 AM	Departs Coral Gables Palm Court to Viscaya Metrorail
8:15 AM	Departs Viscaya Metrorail Station to RSMAS
8:30 AM	Departs RSMAS to Coral Gables Palm Court
9:00 AM	Departs Coral Gables Palm Court to Viscaya Metrorail
9:30 AM	Departs Viscaya Metrorail to RSMAS
10:00 AM	Departs RSMAS to Coral Gables Palm Court
11:00 AM	Departs Coral Gables Palm Court to RSMAS
11:30 AM	Departs RSMAS to Coral Gables Palm Court
12:00 – 1:00 PM	No Service
1:00 PM	Departs Coral Gables Palm Court to RSMAS
2:15 PM	Departs RSMAS to Coral Gables Palm Court
2:45 PM	Departs Coral Gables Palm Court to RSMAS
3:30 PM	Departs RSMAS to Viscaya Metrorail Station
3:50 PM	Departs Viscaya Metrorail Station to RSMAS
4:30 PM	Departs RSMAS to Coral Gables Palm Court
5:00 PM	Departs Coral Gables Palm Court to RSMAS
5:30 PM	Departs RSMAS to Coral Gables Palm Court (with stop at Viscaya Metrorail Station)

Rev. January 23, 2012

UNIVERSITY OF MIAMI ACADEMIC CALENDAR

SPRING 2012

Updated September 30, 2011

Jan 3	Tues	Deadline for Readmission
Jan 3-13	Mon-Fri	Intersession 1
Jan 11	Wed	Housing Available for Students
Jan 11	Wed	International Student Orientation
Jan 12	Thurs	Orientation Begins
Jan 16	Mon	HOLIDAY (MARTIN LUTHER KING, JR. DAY)
Jan 17	Tues	CLASSES BEGIN
Jan 17	Tues	Late Registration Fees in Effect
Jan 25	Wed	Last Day for Registration and to Add a Course
Feb 1	Wed	Last Day to Drop a Course Without a "W"
Feb 1	Wed	Last Day to Make a Change in Credit-Only Designation
Feb 27	Mon	Academic Alert Grades Due in myUM
March 9	Fri	Last Day to Apply for Graduation for Spring, Summer 1 and 2
March 10 - 18	Sat-Sun	SPRING RECESS / Intersession 2
March 26	Mon	Registration Appointments Available on myUM
April 2	Mon	Last Day to Drop a Course
April 9	Mon	Registration for Fall Semester 2012 & Summer 2012* (Begins)
April 13	Fri	Magna/Summa Theses Due in Honors Program Office
April 13	Fri	Graduate Students: Last Day to Defend Dissertation/Thesis for Spring 2012 Graduation
April 27	Fri	CLASSES END (11:00 PM)
April 28 - May 1	Sat-Tues	Reading Days
May 2 - 9	Wed-Wed	FINAL EXAMS
May 9	Wed	Graduate School Deadline for Completion of Dissertation/Thesis
May 9	Wed	SEMESTER ENDS (11:00 PM)
May 10	Thurs	Honors Day Convocation
May 10	Thurs	SPRING COMMENCEMENT EXERCISES - All Graduate Degrees
May 11	Fri	SPRING COMMENCEMENT EXERCISES - All Undergraduate Degrees
May 11	Fri	Housing Closes at NOON for Non-Commencement Participants
May 12	Sat	Housing Closes at NOON for Commencement Participants
May 14	Mon	Final Grades Released by Faculty in myUM by Noon
May 16	Wed	Final Grades Available to Students in myUM

2012 Sea Secrets Lecture Series

January 04, 2012

Photo credit: Dan DeMaria

Virginia Key, Fla. — December 7, 2011 — The University of Miami (UM) Rosenstiel School of Marine & Atmospheric Science, and the Ocean Research and Education Foundation, today announced the roster of distinguished scientists and explorers who will speak in the 2012 *Sea Secrets* lecture series. The events, which are free and open to the public, are designed to provide insight and information about the oceans that cover two-thirds of our planet, and much of which, are still an enigma. Programs take place in the Rosenstiel School Auditorium, 4600 Rickenbacker Causeway on Virginia Key, beginning with a reception at 5:30 p.m., followed by the lecture at 6:00 p.m.



Sponsored by The Shepard Broad Foundation, The Charles N. and Eleanor Knight Leigh Foundation and Southern Wine & Spirits, and organized by UM Professor Emeritus Robert N. Ginsburg, *Sea Secrets* is designed for the South Florida non-scientific community.

Wednesday, January 18, 2012

PAST, PRESENT & FUTURE OF FLORIDA'S COASTAL ZONES

Dr. Miles Hayes

How can we prepare for the projected sea level rise? How can we be ready for oil spills, expanded shoreline development and offshore oil exploration, all of which impact our valuable coastal zone. Florida's coasts are new, less than 10,000 years old, when melting glaciers began to flood our limestone platform. During the continued rising sea level, a wide range of unique coastal features developed. Barrier islands, tidal inlets, coral reefs, lagoons and dunes making the Sunshine State's coasts the most varied of any American state. Join Dr. Miles Hayes who has researched the sedimentary processes and resulting landscapes of Florida's coasts for decades, as he shares his perspective on the history and future of Florida's amazing coastlines.

Wednesday, February 15, 2012

TROPICAL FISH TALES

Dr. Jerald Ault

Dr. Jerry Ault provides an "in depth" look at the spectacular range of behaviors and adaptations marine fish have made to enhance their chances of success in support of the "Fishing Capital of the World". As chief scientific advisor for the Bonefish Tarpon Trust he will discuss how Atlantic tarpon, a multibillion-dollar sportfishery, migrate by following the 26° C isotherm. And how pink shrimp larvae 'ride' ocean currents; while black mullet 'runs' are triggered by passing cold fronts. He will also uncover the mechanisms behind the yearly arrival of large pelagic fishes like billfish, tunas and dolphinfish on Florida's coasts, and the sex-changing adaptive behaviors of tropical groupers and snappers.

Wednesday, March 14, 2012

THE LONG STRUGGLE TO PREDICT MARINE DISASTERS

Dr. Bruce Parker

The oceans and their power have long held mysteries we have struggled to understand. In his book *The Power of the Sea: Tsunamis, Storm Surges, Rogue Waves and Our Quest to Predict Disasters*, Dr. Bruce Parker interweaves dramatic tales of natural marine disasters with fascinating stories of how scientists and mariners very slowly learned how to predict them. From ancient humankind's strange notions about the sea, working up to modern innovations that have saved hundreds of thousands of lives, Parker offers amazing insight into marine disasters. He also answers intriguing questions about the sea. Were tide predictions crucial to D-Day landings in World War II? Can elephants 'hear' a tsunami coming? Did a perigeon spring tide almost ruin the Boston Tea Party? How did the 2011 Japan tsunami kill so many? Parker, the former chief scientist for NOAA's National Ocean Service, is a visiting professor at the Center for Maritime Systems at the Stevens Institute of Technology.

Wednesday, April 18, 2012*

SAVING SHARKS, OCEAN'S KEY PREDATORS

Stan Waterman

As one of the true pioneers in the shark diving community, Stan Waterman has dedicated his life to the documentation of marine life with over fifty films and videos that have garnered five Emmy® Awards. Currently on the Board of Shark Savers, Waterman is focused on the vital importance of these apex predators to the health of the ocean food chain. He will feature clips from his 1968 film "Blue Water, White Death," share his work with oceanic white tip sharks and discuss his pioneering efforts in advancing the idea of safe relationships with these magnificent creatures. Packed with extraordinary visuals and mind-blowing tales, this lecture is sure to have some serious 'bite'.

*Winners of the University of Miami's 2012 Underwater Photography Contest will be announced after the lecture and winning images will be on display in the Library.

Wednesday, May 16, 2012

FRESH WATER: A THREAT TO OUR GIANT FLORIDA ESTUARY

Mac Stone

Ever since early settlers arrived in Florida, the Southern Everglades were feared and revered by even the bravest explorers who dared to enter its waters. Poets, writers, and scientists came to regard this tropical estuary as one of nature's most brilliant displays of life. In the last hundred years however, increased competition for fresh water has impacted the coastal and marine environment, endangering one of the state's most critical and biodiverse habitats. Mac Stone, a field biologist and wildlife photographer has been working with the National Audubon Society for over two years in Florida Bay documenting and studying this complex ecosystem. Combining science and artistry, he paints a vivid picture of the interconnectedness of Florida's fresh and saltwater communities and what we must do to preserve them.