



University of Miami

Undergraduate Marine and Atmospheric Science Program

January 2014

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

We welcome our new and returning students, and wish you all the best for 2014! 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 2nd Floor Ungar Building. Our telephone number is (305) 284-2180. Our office email is marsci@miami.edu.

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

We wish you well in the upcoming semester. Please be sure to meet with your advisor for any academic concerns that you may have. The advisors in the program are:

Marine Science

Marine Affairs

Meteorology

Dr. Gary Hitchcock, Dr. Will Drennan,
Dr. Donald Olson, Dr. Liza Merly,
Dr. Larry Peterson, Dr. Danielle McDonald,
Dr. Lynne Fieber

Prof. Maria Estevanez

Dr. Paquita Zuidema

Notes From The Director, Dr. Gary Hitchcock:

Welcome to the 2014 spring semester! This term MSC will announce an opportunity for student funds to sponsor undergraduate research with awards of up to \$1500. Details will be distributed to all students on the MSC listserv in January. In February (date TBA) MSC students can discuss the program with Dean Avissar over pizza, followed by a movie "Chasing Ice" (see right). Additionally we will be offering two field courses for the 2014 Summer I term: MSC240 "Tropical Marine Geology" in the Bahamas, and a limnology field course in the northeastern US. Finally, the individual MSC faculty write more than 100 reference letters annually. Please try to get your requests in to us at least a week before they are due, or we cannot guarantee they can be completed, given our other responsibilities. Thanks and Go Canes!



Program news and updates:

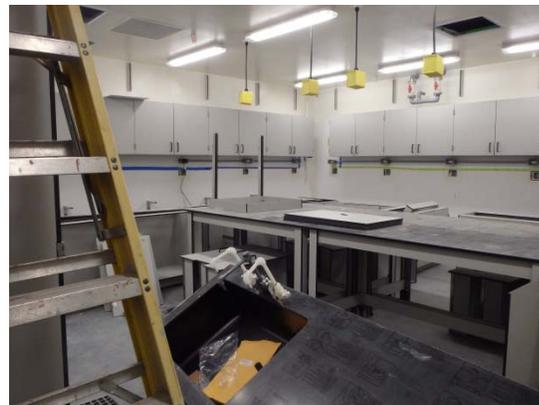
Enter the 2014 UM Underwater Photography contest: see under Sea Secrets for details.

LAB updates: A new MSC teaching laboratory is now under construction in Cox 182, adjacent to our current MSC teaching classroom. This laboratory is expected to be completed in the Spring 2014 term. The new laboratory space is designated to house upper-division teaching laboratories in marine science areas that we cannot currently offer due to limited space. It will house specialized equipment and supplies that will be used to teach new laboratory classes in subjects like marine comparative immunology. It is also expected to house a physical oceanography lab currently being developed for the marine science program.



An update on the new RSMAS building (from our roaming correspondent, Laura Vander Meiden):

"The two-year construction of the Marine Technology and Life Sciences building at RSMAS is scheduled for completion this spring. The building, which consists of two parts connected by a windowed lobby, will allow visitors to watch research as it is conducted. One side of the building contains seawater labs (photo at right) and classrooms. The other houses the state of the art Surge Structure Atmospheric Interaction system, a large simulator that will enable scientists to study the effects of wind-wave interactions." See photos on rear page for exterior views.



News from the Southern Atlantic: Sophomore Julia Paine (in action, at left) spent the holidays on board the NOAA R/V Ronald Brown, part of the 45 day A16S repeat hydrography cruise. Cruise highlights include impromptu concerts - Julia brought her bassoon - and fantastic night skies, an advantage to the 8PM-8AM shift. The food on board reportedly compares well to food in the dorms! We look forward to hearing further updates as the cruise progresses.

New Marine Science second major options in Biochemistry, Mathematics, Meteorology, Microbiology and Immunology, and Engineering (several programs) are now available.

For Marine Science/Biology students: **Organic Chemistry II** (CHM202 and 206) remains a degree requirement and, with Orgo I (CHM201/205), earns the student a minor in Chemistry. An exception is granted for students wishing to replace the Chemistry minor with a different minor in one of the following fields: Biochemistry, Chemistry, Computer Science, Geological Sciences, Mathematics, Meteorology or Physics. **Organic Chemistry I** (CHM201/205) is required for all Marine Science Biology students.

For Meteorology students, a second major in Marine Science is now available. See your advisor for details.

Cognate information: For freshmen entering Fall 2013 or later, the General Education requirements must be fulfilled through cognates in each of Arts and Humanities (A&H), People and Society (P&S) and Science (STEM). All RSMAS students fulfill the STEM cognate through their major. Marine Affairs students fulfill their P&S cognate with their minor. Marine Science and Meteorology may opt to fulfill their P&S requirement with cognates in Marine Policy, or Broadcast Meteorology. A list of all approved cognates is available online. See <http://www.miami.edu/index.php/registrar/cognates/>.

Peer Counseling - Peer Counseling will be available to all incoming freshman and transfer students, under the direction of MSC students Rachel Pausch and Kat Dale. Please feel free to contact your designated Peer Advisor for any issues or concerns. Rachel and Kat lead a dedicated group of peer advisors who are here to help make your transition to UM a wonderful experience.

New and Transfer Students - You are advised to keep a copy of your curriculum requirements from when you enter the University. You may find the requirements in the 2013-2014 University of Miami Undergraduate Bulletin, available at: <http://www.miami.edu/bulletin/> . This will guide you in monitoring your academic progress and in resolving your concerns with your academic advisors.

MSC Computer Lab - The Marine Science Computer Lab at Ungar 210-P has computers for MSC student 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 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) 421-4060 or visit the website at: <http://library.miami.edu/rsmaslib/>

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 305-284-5165 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.

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 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 - The sailing team at UM is a club sport open to all levels of experience. They sail from the Coconut Grove Sailing Club five days a week in the afternoons and travel to regattas on the weekends. The main boats sailed are FJs and 420s and there are opportunities to sail bigger boats as well as single-handed ones. For more information please email sailingcanes@gmail.com

AQUARIUM CLUB - This club is open to students who currently maintain aquaria, would like to start one, or are simply interested in the aquarium trade. They participate in many on-campus events and also take trips to aquariums across the country. If you would like to learn more about UMAC or be put on the mailing list, visit: www.umaquariumclub.weebly.com or email them at umaquariumclub@gmail.com

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: atmoclub.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.

2014 Sea Secrets Lecture Series

Each spring, RSMAS hosts a monthly series of special public lectures about the oceans. Programs take place in the Rosenstiel Auditorium, on the RSMAS Virginia Key campus, beginning with a reception at 5:30 p.m., followed by the lecture at 6:00 p.m. Admission is free, but seating is limited. Please note that you will need to organize your own transportation back from RSMAS, as the RSMAS shuttle service ends before the lecture.

Sea Secrets is sponsored by The Shepard Broad Foundation, Sullivan, Admire and Sullivan, P.A. and Southern Wine & Spirits, and presented by RSMAS and The Ocean Research and Education Foundation. For details, see <http://www.rsmas.miami.edu/outreach/sea-secrets>. This season's lectures are:

Wednesday, January 15, 2014

Tiger Sharks: Uncovering Mysteries of a Feared and Magnificent Super Predator

Neil Hammerschlag, Ph.D., Director of R.J. Dunlap Marine Conservation Program, and Research Assistant Professor at Rosenstiel School of Marine and Atmospheric Science



Wednesday, February 12, 2014

Beach to Bedside Translational Science: Just Getting Our Feet Wet

Daniel G. Baden, Ph.D., William R. Kenan Jr. Distinguished Professor of Marine Science, Director of the Center for Marine Science, University of North Carolina at Wilmington

Wednesday, March 19, 2014

Catalyzing Ocean Conservation at a Global Scale

Elliott Norse, Ph.D., Founder and Chief Scientist of the Marine Conservation Institute, Pew Fellow in Marine Conservation, and Author of A Blog to Save the Earth

Wednesday, April 16, 2014

Inspiration over Devastation*

Shawn Heinrichs, Founder of Blue Sphere Media, LLC – Emmy Award winning cinematographer, photographer, scuba diver, and marine conservationist

* Winners of the University of Miami's 2014 Underwater Photography Contest will be announced after the lecture and winning images will be displayed in the library. This is a contest open to amateur photographers, with a special category for UM students. Check out previous winning photographs in the MSC offices in Ungar, or online at <http://www.rsmas.miami.edu/outreach/underwater-photography>, where you can also find contest rules and entry forms.

Wednesday, May 14, 2014

Sea Level Rise is South Florida: Reality versus Interpretation

Keren Bolter, Ph.D. Candidate in Geosciences, Florida Atlantic University and Center for Environmental Studies

UNIVERSITY OF MIAMI ACADEMIC CALENDAR

SPRING 2014

Subject to Change

69 Class Days Per Semester

Dec 30	Mon	Deadline for Readmission
Jan 2 - 11	Thurs- Sat	InterSession 1 (special tuition, add/drop, dates, & refund policy apply)
Jan 8	Wed	Housing Available for Students
Jan 8	Wed	International Student Orientation
Jan 9	Thurs	Orientation Begins
Jan 13	Mon	CLASSES BEGIN
Jan 13	Mon	Late Registration Fees in Effect
Jan 20	Mon	HOLIDAY (MARTIN LUTHER KING, JR. DAY)
Jan 29	Wed	Last Day for Registration and to Add a Course
Jan 29	Wed	Last Day to Drop a Course Without a "W"
Jan 29	Wed	Last Day to Make a Change in Credit-Only Designation
Feb 24	Mon	Academic Alert Grades Due in CaneLink
TBA		Last Day to Apply for Graduation for Spring and Summer
March 8 - 16	Sat - Sun	<u>SPRING RECESS</u>
March 8 - 16	Sat - Sun	InterSession 2 (special tuition, add/drop, dates, & refund policy apply)
March 24	Mon	Registration Appointments Available on CaneLink
March 26	Wed	Last Day to Drop a Course
April 4	Fri	Graduate Students: Last Day to Defend Dissertation/Thesis for Spring 2014 Graduation
April 7	Mon	Registration for Fall Semester 2014 & Summer 2014* (Begins)
April 25	Fri	CLASSES END (11:00 PM)
April 26 - 29	Sat - Tues	Reading Days
April 30 - May 7	Wed - Wed	FINAL EXAMS
May 7	Wed	Graduate School Deadline for Completion of Dissertation/Thesis
May 7	Wed	SEMESTER ENDS (11:00 PM)
May 8	Thurs	Honors Day Convocation
May 8	Thurs	SPRING COMMENCEMENT EXERCISES - All Graduate Degrees
May 9	Fri	SPRING COMMENCEMENT EXERCISES - All Undergraduate Degrees
May 9	Fri	Housing Closes at NOON for Non-Commencement Participants
May 10	Sat	Housing Closes at NOON for Commencement Participants
May 12	Mon	Final Grades Released by Faculty in CaneLink by Noon
May 14	Wed	Final Grades Available to Students in CaneLink

* As Scheduled By Appointment

Updated September 20, 2013

[Most up-to-date calendars available at www.miami.edu/registrar](http://www.miami.edu/registrar)

Shuttle Schedule. Spring 2014

Monday through Friday

Rev. January 9, 2014

RSMAS Shuttle Schedule

(January 13, 2014 – May 7, 2014)

All times listed are DEPARTURE times

Coral Gables (Palm Court)	Viscaya Metrorail Station	RSMAS
7:30 AM	8:15 AM	8:30 AM
9:15 AM	9:45 AM	10:00 AM
11:00 AM	*	11:30 AM
1:00 PM	*	2:15 PM
2:45 PM	*	3:30 PM
*	3:50 PM	4:30 PM
5:30 PM	*	6:15 PM (stops at Viscaya Metrorail then continues to Coral Gables)

*Indicates no stop

The RSMAS Shuttle operates between the Coral Gables Campus (pickup at Palm Court) and the Rosenstiel School of Marine and Atmospheric Science on Virginia Key. Certain shuttles throughout the day also service the Viscaya Metrorail Station. There is no shuttle service between noon and 1 PM.

FOR ALL INQUIRIES CONTACT:

**PARKING & TRANSPORTATION, WWW.MIAMLEU/PARKING,
5807 PONCE DE LEON BLVD
CORAL GABLES, FLORIDA
PHONE 305.284.3096**



Top photo: Suffolk Construction. Bottom photo: Laura Vander Meiden