



**Important Dates:**

Classes Begin: August 20, 2018  
 University Closed – Labor Day: September 3, 2018  
 Fall Recess: October 18 – 21, 2018  
 Last Day to Defend (Fall Graduation): November 2, 2018  
 Thanksgiving Recess: November 17 – 25, 2018  
 University Closed – Thanksgiving Holiday: November 22 – 23, 2018  
 Classes End: December 4, 2018  
 Final Exams: December 6 – 12, 2018  
 Deadline for Completion of Thesis/Dissertation: December 12, 2018

**Fall 2018 Schedule**

**Atmospheric Sciences (ATM)**

COURSE	SEC	COURSE NAME	CR	DAY	TIME	ROOM	INSTRUCTOR	SEATS
ATM 511/ 611 MPO OCE	55	Geophysical Fluid Dynamics I	3	T/R	3:00pm-4:15pm	MSC 343	Ozgekmen	15
ATM 551/ 651 MPO	32	Introduction to Atmospheric Science	3	M/W	10:30am-11:45am	MSC 343	Kirtman	15
ATM 553/ 653 MPO	35	Climate Change	3	M/W	1:30pm-2:45pm	MSC 329	Clement	15
ATM 562/ 662 MPO	44	Advanced Weather Forecasting	3	M	12:30pm-3:00pm	SLAB 114	Setzer	15
ATM 805	01	MPS Internship	1-6	ARR	ARR	ARR	Soden	
ATM 810	01	Master's Thesis	1-6	ARR	ARR	ARR	Atlas	
ATM 830	01	Doctoral Dissertation	1-12	ARR	ARR	ARR	Atlas	

## Marine Biology and Ecology (MBE)

COURSE	SEC	COURSE NAME	CR	DAY	TIME	ROOM	INSTRUCTOR	SEATS
MBE 604	P	Biology of Marine Mammals	3	T/R	11:00am-12:15pm	Unger 230C Coral Gables Campus	Richardson	12
MBE 615	55	Tropical Marine Ecology	3	T/R	1:30pm-2:45pm	MSC 123	Langdon, Lirman & Baker	25
MBE 535/ 635	41	Practical Computing for Biologists	3	M	9:00am-11:30am	RSMAS Library Media Room	Crawford & Oleksiak	12
MBE 643  Instructor Permission Required	01	Ecology, Conservation, & Ecotourism in the Galapagos	3	<b>Special Dates:</b> 12/08/2018-12/22/2018			D' Alessandro  <b>Special Fees:</b> <b>\$2500 + Airfare</b> (includes housing, meals, and mandatory field excursions)	15
MBE 702	01	Biological Oceanography Seminar	1	F	1:00pm-2:00pm	SLAB 103	Fieber	
MBE 704	32	Biological Oceanography	3	M/W	10:30am-11:45am	MSC 125	Brand	18
MBE 805	01	MPS Internship	1-6	ARR	ARR	ARR	Soden	
MBE 810	01	Master's Thesis	1-6	ARR	ARR	ARR	Babcock	
MBE 830	01	Doctoral Dissertation	1-12	ARR	ARR	ARR	Babcock	

## Marine Ecosystems and Society (MES)

COURSE	SEC	COURSE NAME	CR	DAY	TIME	ROOM	INSTRUCTOR	SEATS
MES 502/ 602	55	Economics of Natural Resources	3	T/R	1:30pm-2:45pm	SG 116	Letson	18
MES 608	35	Biometrics in Marine Science	3	M/W	1:30pm-2:45pm	MSC 123	Ehrhardt	25
MES 512/ 612	32	Aquaculture I	3	M/W	10:30am-11:45am	SLAB 114	Benetti	12
MES 516/ 616	35	Ocean Policy Development & Analysis	3	M/W	1:30pm-2:45pm	SG 116	Shivlani	24
MES 517/ 617	55	Legal Environment & Business Planning in Aquaculture	3	T/R	1:30pm-2:45pm	SLAB 114	Stieglitz	12
MES 620	57	Environmental Law & Policy	3	T/R	3:00pm-4:15pm	MSC 123	K. Cox	25
MES 622 ECS 603	32	Principles and Practices of Marine Social Science Research	3	M/W	10:30am-11:45am	SG 116	Araujo, Estevanez & Shivlani	20
MES 525/ 625	51	Fisheries Socioeconomics & Management	3	T/R	9:00am-10:15am	SLAB 120	Agar	20
MES 626	45	Submerged Cultural Resource Management	3	W	1:30pm-4:00pm	MSC 125	Hanselmann	10
MES 532/ 632	45	Theory & Method in Underwater & Maritime Archaeology	3	M	1:30pm-4:00pm	MSC 125	Hanselmann	12
MES 633	57	Decision Analysis: Natural Hazards & Catastrophes	3	T/R	3:00pm-4:15pm	SG 116	Letson	20
MES 660	31	Intro to Marine GIS	3	M	9:00am-10:15am	MSC 123	Estevanez	45
MES 661	01	Intro to Marine GIS Lab	0	W	9:00am-10:15am	MSC 123	Estevanez	15
MES 661	02	Intro to Marine GIS Lab	0	W	9:00am-10:15am	MSC 123	Estevanez	15
MES 661	03	Intro to Marine GIS Lab	0	W	9:00am-10:15am	MSC 123	Estevanez	15
MES 664 ECS 376	57	Citizen & Participatory Science	3	T/R	3:00pm-4:15pm	SLAB 120	Haywood	24

COURSE	SEC	COURSE NAME	CR	DAY	TIME	ROOM	INSTRUCTOR	SEATS
MES 670	43	Conservation & Management of Marine Mammals	3	F	11:30am-2:30pm	SLAB 120	H. Herring & K. Winship	18
MES 671	54	Marine Conservation Biology	3	T/R	12:00pm-1:15pm	SLAB 120	C. Macdonald	25
MES 671	55	Marine Conservation Biology	3	T/R	1:30pm-2:45pm	SLAB 120	C. Macdonald	25
MES 574/ 674	61	From Gold to Glory: History & Ethics of Exploration	3	T	9:00am-11:30am	SG 116	Broad	24
MES 715	51	Advanced Biometrics	3	T/R	9:00am-10:15am	SLAB 114	Ault	8
MES 720	37	Coastal Law & Policy	3	M/W	3:00pm-4:15pm	SG 116	Suman	15
MES 774 <i>Instructor Permission Required</i>		<b>Advanced Studies in MES</b> The Maritime Heritage of the Florida Keys: Historic Navigation and 19 <sup>th</sup> Century Shipbuilding	3	T	2:00pm-4:30pm	ARR	Hanselmann	1
MES 805	01	MPS Internship	1-6	ARR	ARR	ARR	Soden	
MES 810	01	Master's Thesis	1-6	ARR	ARR	ARR	Richardson	
MES 830	01	Doctoral Dissertation	1-12	ARR	ARR	ARR	Richardson	

## Marine Geosciences (MGS)

COURSE	SEC	COURSE NAME	CR	DAY	TIME	ROOM	INSTRUCTOR	SEATS
MGS 513/ 613	52	Introductory Geochemistry	3	T/R	10:30am-11:45am	N351 MGS Conf. Room	Pourmand	12
MGS 514/ 614	32	Geophysics	3	M/W	10:30am-11:45am	N351 MGS Conf. Room	Becker	12
MGS 535/ 635	31	Geological Hazards	3	M/W	9:00am-10:15am	N351 MGS Conf. Room	Amelung	12
MGS 591/ 691	45	Research Methods in Electron Microscopy	2	F	1:30pm-3:00pm	Knight Physics 142A Coral Gables Campus	Blackwelder	12
MGS 728	34	Advanced Seismology	3	M/W	12:00pm-1:15pm	N351 MGS Conf. Room	Lin	12
MGS 776	54	Paleoclimatology	3	T/R	12:00pm-1:15pm	N351 MGS Conf. Room	Pourmand	12
MGS 810	01	Master's Thesis	1-6	ARR	ARR	ARR	Pourmand	
MGS 830	01	Doctoral Dissertation	1-12	ARR	ARR	ARR	Pourmand	

## Meteorology and Physical Oceanography (MPO)

COURSE	SEC	COURSE NAME	CR	DAY	TIME	ROOM	INSTRUCTOR	SEATS
MPO 603 OCE	52	Physical Oceanography	3	T/R	10:30am-11:45am	MSC 343	Beal	15
MPO 611 ATM OCE	55	Geophysical Fluid Dynamics I	3	T/R	3:00pm-4:15pm	MSC 343	Ozgokmen	15
MPO 642 OCE	32	Physics of Remote Sensing I: Passive Systems	3	M/W	3:00pm-4:15pm	MSC 343	Minnett	15
MPO 651 ATM	32	Introduction to Atmospheric Science	3	M/W	10:30am-11:45am	MSC 343	Kirtman	15
MPO 653 ATM	35	Climate Change	3	M/W	1:30pm-2:45pm	MSC 329	Clement	15
MPO 662 ATM	44	Advanced Weather Forecasting	3	M	12:30pm-3:00pm	SLAB 114	Setzer	15
MPO 686 OCE	31	Applied Remote Sensing	3	M/W	9:00am-10:15am	SLAB 120	Minnett	15
MPO 762 OCE	34	Computer Models of Fluid Dynamics	3	M/W	12:00pm-1:15pm	MSC 329	Iskandarani	12
MPO 776 OCE	32	Mesoscale Oceanography	3	M/W	10:30am-11:45am	MSC 329	Kamenkovich & Mariano	16
MPO 810	01	Master's Thesis	1-6	ARR	ARR	ARR	Iskandarani	
MPO 830	01	Doctoral Dissertation	1-12	ARR	ARR	ARR	Iskandarani	

## Ocean Sciences (OCE)

COURSE	SEC	COURSE NAME	CR	DAY	TIME	ROOM	INSTRUCTOR	SEATS
OCE 503/ 603 MPO	52	Physical Oceanography	3	T/R	10:30am-11:45am	MSC 343	Beal	15
OCE 611 ATM MPO	55	Geophysical Fluid Dynamics I	3	T/R	3:00pm-4:15pm	MSC 343	Ozgokmen	15
OCE 542/ 642 MPO	37	Physics of Remote Sensing I: Passive Systems	3	M/W	3:00pm-4:15pm	MSC 343	Minnett	15
OCE 575/ 675	51	Fluid Mechanics	3	T/R	9:00am-10:15am	MSC 125	Brown	15
OCE 586/ 686 MPO	31	Applied Remote Sensing	3	M/W	9:00am-10:15am	SLAB 120	Minnett	15
OCE 701	31	Mathematical Methods in Marine Physics	3	M/W	9:00am-10:15am	MSC 125	Brown	10
OCE 754	45	<b>Special Topics</b> Introduction to Ocean Systems Engineering	3	F	1:30pm-4:00pm	MSC 329	Deferrari, Graber, Haus, Iskandarani, Negahdaripour, Ozgokmen & Zha	10
OCE 762 MPO	34	Computer Models of Fluid Dynamics	3	M/W	12:00pm-1:15pm	MSC 329	Iskandarani	12
OCE 770	01	Seminar in Ocean Sciences	1	F	11:00am-12:00pm	RSMAS Auditorium	Romeiser	
OCE 776 MPO	32	Mesoscale Oceanography	3	M/W	10:30am-11:45am	MSC 329	Kamenkovich & Mariano	16
OCE 780	01	Capstone Independent Study of Coastal Engineering	3	ARR	ARR	MTLSS Bldg.	Haus	10
OCE 805	01	MPS Internship	1-6	ARR	ARR	ARR	Soden	
OCE 810	01	Master's Thesis	1-6	ARR	ARR	ARR	Romeiser	
OCE 830	01	Doctoral Dissertation	1-12	ARR	ARR	ARR	Romeiser	

## RSMAS General Courses (RSM)

COURSE	SEC	COURSE NAME	CR	DAY	TIME	ROOM	INSTRUCTOR	SEATS
RSM 500/ 600	01	Research Diving Techniques	3	M	7:30am-11:00am	Pool Coral Gables Campus	Riera-Gomez & Christian <b>Mandatory Fieldtrip</b> <b>10/18/18-10/21/18</b> <b>Location:</b> <b>Little Salt Spring</b>	12
				M	4:30pm-6:00pm	SG 116		
				F	7:00am-1:00pm	OW Dives		
RSM 500/ 600	02	Research Diving Techniques	3	T	7:30am-11:00am	Pool Coral Gables Campus	Riera-Gomez & Christian <b>Mandatory Fieldtrip</b> <b>12/15/18-12/22/18</b> <b>Location: Bonaire</b> <b>Additional Costs:</b> <b>\$1300 + Airfare</b>	12
				M	4:30pm-6:00pm	SG 116		

### Enrollment Requirements for Research Diving

**Valid open water diver certification with an accredited agency; must have a minimum of 10 logged open water dives with at least 2 dives being within the past 6 months; be able to pass a swim test and diving physical exam by the beginning of the course.**

COURSE	SEC	COURSE NAME	CR	DAY	TIME	ROOM	INSTRUCTOR	SEATS
RSM 612	51	Statistics for Environmental Management	3	T/R	9:00am-10:15am	MSC 123	Babcock	25
RSM 612	52	Statistics for Environmental Management	3	T/R	10:30am-11:45am	MSC 123	Babcock	25
RSM 622	01	Data Management for Scientists	2	ARR	ARR	ARR	Babcock	5
RSM 646	01	Science Communication: Presentation Bootcamp	1	<b>Special Dates:</b> Saturday & Sunday 10/13/18-10/14/18 <b>Time: 8:30am-5:00pm</b>		SLAB 120	Lopez-Durate	20
RSM 647 TAL 675	48	Methods for Marine & Atmospheric Education	3	M	4:30pm-7:00pm	SLAB 120	Coco	15
RSM 667	01	Motorboat Operator Certificate Course (MOCC)	2	T	8:00am -11:15am	ARR	Teare	3
RSM 667	02	MOCC	2	W	8:00am-11:15am	ARR	Teare	3
RSM 667	03	MOCC	2	R	8:00am-11:15am	ARR	Teare	3
RSM 667	04	MOCC	2	F	8:00am-11:15am	ARR	Teare	3
RSM 667	05	MOCC	2	T	1:15pm-4:30pm	ARR	Teare	3
RSM 667	06	MOCC	2	W	1:15pm-4:30pm	ARR	Teare	3
RSM 667	07	MOCC	2	R	1:15pm-4:30pm	ARR	Teare	3

### Enrollment Requirements for MOCC

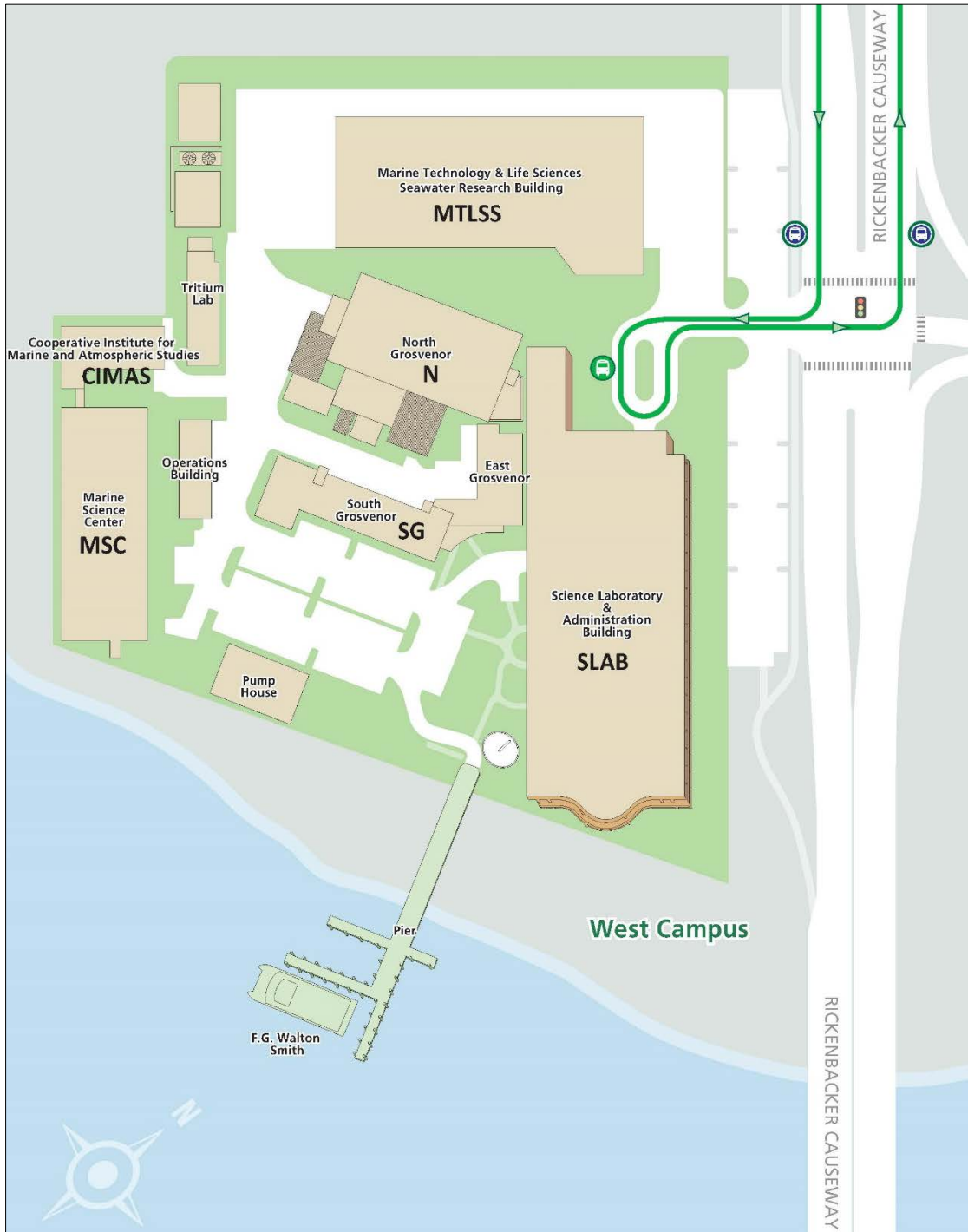
**Must possess a valid U.S. Driver's License with less than 6 points.**

### Course Descriptions

<http://bulletin.miami.edu/graduate-academic-programs/marine-atmospheric-science/>



<b>COURSE</b>	<b>SEC</b>	<b>COURSE NAME</b>	<b>CR</b>	<b>DAY</b>	<b>TIME</b>	<b>ROOM</b>	<b>INSTRUCTOR</b>	<b>SEATS</b>
RSM 700	01	Research Ethics	0	ARR	ARR	ARR	Majumdar	
RSM 771	01	Educational Training 1	0	ARR	ARR	ARR	Majumdar	
RSM 772	01	Educational Training 2	0	ARR	ARR	ARR	Majumdar	
RSM 773	01	Educational Training 3	0	ARR	ARR	ARR	Majumdar	
RSM 780	01	<b>Directed Readings</b> Special Topics in Coral Reefs	1	R	4:00pm-4:50pm	MTLSS 167	Baker	10
RSM 780	02	<b>Directed Readings</b> Manuscript Writing Skills	1	ARR	ARR	ARR	Paris	5
RSM 780	03	<b>Directed Readings</b> Current Topics in Atmospheric Chemistry	1	M	4:00pm-4:50pm	TBA	Gaston	5



- SG = South Grosvenor
- SLAB = Science Laboratory & Administration Building
- MSC = Marine Science Center
- MGS Microscope/ N351 = North Grosvenor
- MTLSS = Marine Technology & Life Sciences Seawater Research Building
- CIMAS = Cooperative Institute for Marine and Atmospheric Studies