



Important Dates:

University Closed – MLK Jr. Day: January 15, 2018
 Classes Begin: January 16, 2018
 Spring Recess: March 10-18, 2018
 Last Day to Defend (Spring Graduation): April 2, 2018
 Classes End: April 27, 2018
 Final Exams: May 2-9, 2018
 Deadline for Completion of Thesis/Dissertation: May 9, 2018

Spring 2018 Schedule

Atmospheric Sciences (ATM)

COURSE	SEC	COURSE NAME	CR	DAY	TIME	ROOM	INSTRUCTOR	SEATS
ATM 624 MPO OCE	52	Applied Data Analysis	3	T/R	10:30am-11:45am	MSC 329	Mapes	15
ATM 632 MPO JMM/ATM 306	J1	Broadcast Meteorology	3	W	5:00pm-7:30pm	Wolfson 1008B Coral Gables	Phillips	10
ATM 534/ 634	35	Atmospheric Chemistry	3	M/W	1:30pm-2:45pm	MSC 125	Atlas, Hynes & Gaston	8
ATM 536/ 636 MPO OCE	31	Hurricanes	3	M/W	9:00am-10:15am	MSC 125	Majumdar	15
ATM 537/ 637 MPO OCE	57	Natural Hazards: Atmosphere & Ocean	3	T/R	3:00pm-4:15pm	MSC 329	Shay	18
ATM 701 MPO	01	Seminar in ATM	1	W	3:00pm-4:00pm	SLAB 103	Mapes	
ATM 711 MPO OCE	35	Geophysical Fluid Dynamics II	3	M/W	1:30pm-2:45pm	SLAB 114	Kamenkovich	20
ATM 765 MPO	32	General Circulation of the Atmosphere	3	M/W	10:30am-11:45am	MSC 329	Nolan	14
ATM 767 MPO OCE	34	Spectral and Finite Element Methods in Computational Fluid Dynamics	3	M/W	12:00pm-1:15pm	MSC 343	Iskandarani	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	

12/01/2017

Page 1 of 11

Course Descriptions

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

Marine Biology and Ecology (MBE)

COURSE	SEC	COURSE NAME	CR	DAY	TIME	ROOM	INSTRUCTOR	SEATS
MBE 505/ 605	51	Marine Mammal Disease & Medicine	3	T/R	9:00am-10:15am	SLAB 120	Zaias	25
MBE 507/ 607 Instructor Permission Required	42	Marine Mammal Applied Behavior Analysis & Managed Care	3	F	10:00am-2:00pm	Off-Campus Location Key Largo, FL *Transportation is required to travel back and forth to Key Largo*	TBA & Richardson Special Fees: \$1800	12
MBE 614	01	Tropical Marine Biology: A Field Course	3	Special Dates: 01/05/2018-01/13/2018 Location: Broad Key, FL			D'Alessandro & Grubs Lab Fees: \$150	12
MBE 518/ 618	35	Reef Coral Biology, Ecology & Conservation	3	M/W	1:30pm-2:45pm	MTLSS 167	Baker	18
MBE 621	47	Field Techniques & Instrumentation in Tropical Marine Ecology	3	W	3:00pm-4:15pm	SLAB 114	Langdon & D'Alessandro	16
				F	9:00am-12:00pm	SLAB 114		
MBE 522/ 622 OCE	55	Marine Microbial Dynamics	3	T/R	1:30pm-2:45pm	SLAB 286	Popendorf	8
MBE 686	54	Fish Physiology	3	T/R	12:00pm-1:15pm	MTLSS 167	R. Heuer	16
MBE 702	01	Biological Oceanography Seminar	1	F	1:00pm-2:00pm	SLAB 103	Fieber	
MBE 716	51	Bayesian Statistics for Marine Scientists	3	T/R	9:00am-10:15am	SLAB 114	Babcock	15
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 501/ 601	55	Political Ecology of Resource Management	3	T/R	1:30pm-2:45pm	SG 116	Meltzoff	12
MES 504/ 604 ECS 372 LAW 629	4K	Fieldwork in Coastal Management: Tourism, Conservation, & Development	3	W	6:25pm-8:50pm	TBA Coral Gables	Suman Spring Break Trip Location: Chile Additional Costs: \$600 + Airfare	6
MES 610 LAW 601 568	57	Environmental Policy & the Environmental Impact Statement	3	T/R	3:00pm-4:15pm	SG 116	Suman	20
MES 513/ 613	32	Aquaculture II – Lab	3	M/W	10:30am-11:45am	SLAB 114	Benetti	13
MES 614 Prerequisite: RSM 600	32	Underwater Archaeology Field Techniques	3	M W	10:30am-11:45am 8:00am-12:00pm	SLAB 120 Practicum	Hanselmann	10
MES 615 Prerequisite: RSM 600 & RSM 667	01	Marine Archaeological Survey & Technology	3	ARR	ARR	ARR	Hanselmann Spring Break Trip Location: TBA Additional Fees: TBA	10
MES 618	54	Coastal Zone Management	3	T/R	12:00pm-1:15pm	SG 116	Suman	24
MES 627	01	Exploration Science Field Studies	3	Arranged Meetings During Semester: TBD		RSMAS Library Media Room	K. Haywood Spring Break Trip Special Fees: \$1400 + Airfare	6
MES 528/ 628	52	Seafood Market & Marketing	3	T/R	10:30am-11:45am	SLAB 114	Walsh & Benetti	14
MES 529/ 629	52	Biology, Ecology, & Management of Mangrove Ecosystems	3	T/R	10:30am-11:45am	SG 116	Araujo	15
MES 530/ 630	38	Port Operations & Policy	3	M/W	4:30pm-5:45pm	MSC 125	Stribling	8
MES 631	34	Marine & Coastal Protected Area Theory, Planning, Management, & Issues	3	M/W	12:00pm-1:15pm	SG 116	Shivlani	24
MES 634 Prerequisite: MES 660 & MES 661	57	Shark Behavioral Ecology & Conservation	3	T/R	3:00pm-4:15pm	SLAB 120	Hammerschlag	20

COURSE	SEC	COURSE NAME	CR	DAY	TIME	ROOM	INSTRUCTOR	SEATS
MES 645 Prerequisite: MES 608 or Permission	35	Marine Population Assessment Surveys & Analysis	3	M/W	1:30pm-2:45pm	SG 116	Ehrhardt	24
MES 646 Prerequisite: MES 608 or Permission	32	Marine Population Biology Processes & Modeling	3	M/W	10:30am-11:45am	SG 116	Ehrhardt	12
MES 660	31	Intro to Marine Geographic Information Systems (GIS)	3	M	9:00am-10:15am	MSC 343	Estevanez	30
MES 661	01	Intro to Marine GIS Lab	0	W	9:00am-10:15am	MSC 343	Estevanez	15
MES 661	02	Intro to Marine GIS Lab	0	W	9:00am-10:15am	MSC 329	Estevanez	15
MES 662	35	Intermediate Spatial Analysis	3	M/W	1:30pm-2:45pm	MSC 343	Estevanez	20
MES 565/ 665	51	Exploration Technology & Media	3	T/R	9:00am-10:15am	SG 116	K. Haywood	12
MES 572/ 672	35	The Archaeology of Seafaring	3	M/W	1:30pm-2:45pm	MSC 329	M. Beach	10
MES 673	68	Marine Conservation Outreach	3	Special Dates: Tuesday 01/16/18, 02/20/18, 03/06/18, 03/27/18, 04/03/18, 04/17/18 Time: 4:30pm-7:00pm		SLAB 120	Fletcher Spring Break Trip: 03/10/18-03/17/18 Location: Nicaragua Additional Costs: \$2000	10
MES 677	37	Management and Conservation of Marine Ecosystems	3	M/W	3:00pm-4:15pm	SG 116	Die	24
MES 590/ 690	34	Acoustic Measurement of Nekton, Plankton, & Underwater Habitat	3	M/W	12:00pm-1:15pm	SLAB 286	Thomas	10
MES 710	57	International Ocean Law & Governance	3	T/R	3:00pm-4:15pm	MSC 123	Shivlani	25
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 511/ 611	52	Earth Surface Processes	3	T/R	10:30am-11:45am	N351 MGS Conf. Room	Eberli	12
MGS 519/ 619	01	Field Studies of Geobiology in Tropical Marine Environments	3	ARR	ARR	ARR	Reid Special Fees: TBD	7
MGS 534/ 634	47	Hydrological Hazards	3	W	3:00pm-5:45pm	N351 MGS Conf. Room	Olson & Rossinsky	12
MGS 542/ 642	01	Field Evaluation of Fossil Platforms, Margins, & Basins II	2	ARR	ARR	ARR	Eberli, McNeill, Swart & Klaus Field Location: TBA	10
MGS 583/ 683	01	Scanning Electron Microscopy	2	F	1:30pm-3:30pm	Chemistry Annex 142B Coral Gables	Blackwelder	14
MGS 701	01	Seminar in MGS	1	R	12:00pm-1:30pm	CIMAS 301	Pourmand	
MGS 720	41	Satellite Radar Interferometry in the Earth Sciences	3	W	9:00am-11:45am	N351 MGS Conf. Room	Amelung	10
MGS 722	41	Geophysical Inverse Theory	3	M	9:00am-11:45am	N351 MGS Conf. Room	Amelung	10
MGS 723	34	Geodynamics	3	M/W	12:00pm-1:15pm	N351 MGS Conf. Room	Lin	10
MGS 724	01	Seismic Interpretation of Carbonate Systems	2	ARR	ARR	ARR	Eberli	10
MGS 725	01	Petrophysics of Carbonates	2	ARR	ARR	ARR	Weger & Eberli	10
MGS 726	01	Carbonate Diagenesis & Petrography	2	ARR	ARR	ARR	Swart & MacKenzie	10
MGS 727	01	Analysis of Carbonate Cores & Logs	2	ARR	ARR	ARR	Eberli & McNeill	10
MGS 750	45	Stable Isotopes in Biogeochemical Processes	3	F	1:30pm-4:00pm	N351 MGS Conf. Room	Swart	10
MGS 776	51	Paleoclimatology	3	T/R	9:00am-10:15am	N351 MGS Conf. Room	Pourmand	10
MGS 810	01	Master's Thesis	1-6	ARR	ARR	ARR	Lin	
MGS 830	01	Doctoral Dissertation	1-12	ARR	ARR	ARR	Lin	

Meteorology and Physical Oceanography (MPO)

COURSE	SEC	COURSE NAME	CR	DAY	TIME	ROOM	INSTRUCTOR	SEATS
MPO 624 ATM OCE	52	Applied Data Analysis	3	T/R	10:30am-11:45am	MSC 329	Mapes	15
MPO 632 ATM JMM/ATM 306	J1	Broadcast Meteorology	3	W	5:00pm-7:30pm	Wolfson 1008B Coral Gables	Phillips	10
MPO 543/ 643 OCE	34	Physics of Remote Sensing II: Active Systems	3	M/W	12:00pm-1:15pm	MSC 125	Romeiser, Graber & Minnett	17
MPO 636 ATM OCE	31	Hurricanes	3	M/W	9:00am-10:15am	MSC 125	Majumdar	15
MPO 637 ATM OCE	57	Natural Hazards: Atmosphere & Ocean	3	T/R	3:00pm-4:15pm	MSC 329	Shay	18
MPO 587/ 687 OCE	54	Applied Radar Remote Sensing	3	T/R	12:00pm-1:15pm	MSC 125	Romeiser & Graber	14
MPO 701 ATM	01	Seminar in MPO	1	W	3:00pm-4:00pm	SLAB 103	Mapes	
MPO 711 ATM OCE	35	Geophysical Fluid Dynamics II	3	M/W	1:30pm-2:45pm	SLAB 114	Kamenkovich	20
MPO 712 OCE	55	Large-Scale Ocean Circulation: Models & Observations	3	T/R	1:30pm-2:45pm	MSC 329	Johns	12
MPO 765 ATM	32	General Circulation of the Atmosphere	3	M/W	10:30am-11:45am	MSC 329	Nolan	14
MPO 767 ATM OCE	34	Spectral and Finite Element Methods in Computational Fluid Dynamics	3	M/W	12:00pm-1:15pm	MSC 343	Iskandarani	15
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 509/ 609	57	Coastal Physics & Engineering	3	T/R	3:00pm-4:15pm	MSC 125	Haus	10
OCE 610	31	Ocean Biogeochemistry	3	M/W	9:00am-10:15am	SLAB 286	Hansell	8
OCE 522/ 622 MBE	55	Marine Microbial Dynamics	3	T/R	1:30pm-2:45pm	SLAB 286	Popendorf	8
OCE 624 ATM MPO	52	Applied Data Analysis	3	T/R	10:30am-11:45am	MSC 329	Mapes	15
OCE 531/ 631	51	Ocean Data Analysis	3	T/R	9:00am-10:15am	MSC 125	Olascoaga	15
OCE 636 ATM MPO	31	Hurricanes	3	M/W	9:00am-10:15am	MSC 125	Majumdar	15
OCE 543/ 643 MPO	34	Physics of Remote Sensing II: Active Systems	3	M/W	12:00pm-1:15pm	MSC 125	Romeiser, Graber & Minnett	17
OCE 551/ 651	55	Applied Ocean Acoustics & Marine Mammals	3	T/R	1:30pm-2:45pm	MSC 125	Brown	16
OCE 576/ 676	52	Wave Propagation in the Ocean Environment	3	T/R	10:30am-11:45am	MSC 125	Romeiser	8
OCE 637 MPO ATM	57	Natural Hazards: Atmosphere & Ocean	3	T/R	3:00pm-4:15pm	MSC 329	Shay	18
OCE 587/ 687 MPO	54	Applied Radar Remote Sensing	3	T/R	12:00pm-1:15pm	MSC 125	Romeiser & Graber	14
OCE 711 MPO ATM	35	Geophysical Fluid Dynamics II	3	M/W	1:30pm-2:45pm	SLAB 114	Kamenkovich	20
OCE 712 MPO	55	Large Scale Ocean Circulation: Models & Observations	3	T/R	1:30pm-2:45pm	MSC 329	Johns	12
OCE 736	32	Modeling of Physical-Biological Interactions	3	M/W	10:30am-11:45am	MSC 125	Paris & Olascoaga	10

COURSE	SEC	COURSE NAME	CR	DAY	TIME	ROOM	INSTRUCTOR	SEATS
OCE 767 ATM MPO	34	Spectral and Finite Element Methods in Computational Fluid Dynamics	3	M/W	12:00pm-1:15pm	MSC 343	Iskandarani	15
OCE 770	01	Seminar in OCE	1	F	11:00am-12:00pm	RSMAS Auditorium	Romeiser	
OCE 780	01	Capstone Independent Study of Coastal Engineering	3	ARR	ARR	MTLSS Bldg.	Haus	5
OCE 790	51	Mechanics & Thermodynamics of the Air-Sea Interface	3	T/R	9:00am-10:15am	MSC 343	Haus & Graber	8
OCE 805	01	MPS Internship	1-6	ARR	ARR	ARR	Soden	
OCE 810	01	Master's Thesis	1-6	ARR	ARR	ARR	Brown	
OCE 830	01	Doctoral Dissertation	1-12	ARR	ARR	ARR	Brown	

RSMAS General Courses (RSM)

COURSE	SEC	COURSE NAME	CR	DAY	TIME	ROOM	INSTRUCTOR	SEATS
RSM 600	01	Research Diving Techniques	3	M/W	9:00am-11:00am Tentative	Pool Coral Gables	Riera-Gomez & Christian	12
				M/W	4:30pm-6:00pm	SG 116		
				F	7:00am-1:00pm	OW Dives		

Enrollment Requirements for Research Diving

Valid open water diver certification with an accredited agency, must have a minimum of 10 logged open water dives within the last 24 months, be able to pass a swim test and diving physical exam by the beginning of the course.

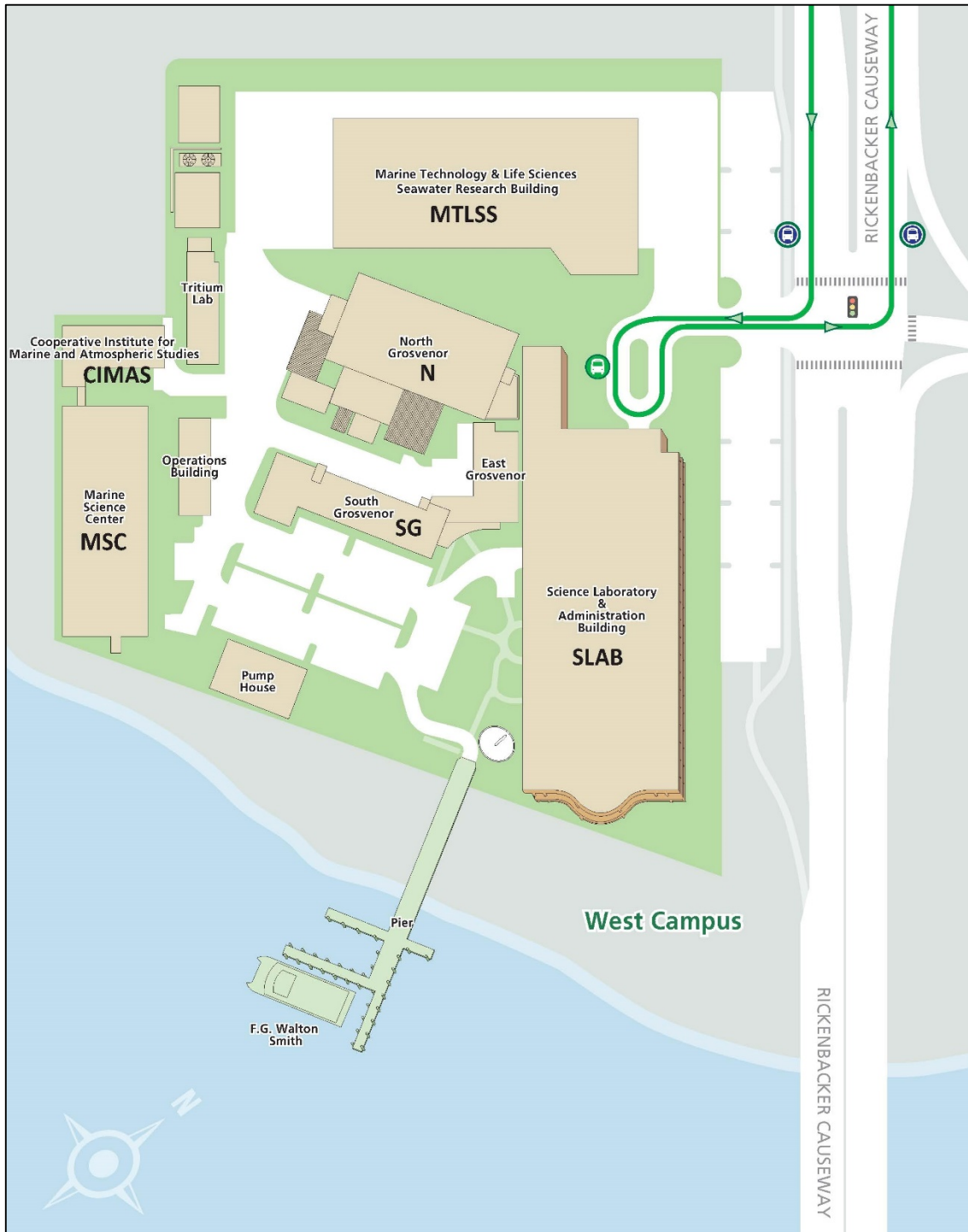
RSM 600	02*	Research Diving Techniques	3	T/R	9:00am-11:00am Tentative	Pool Coral Gables	Riera-Gomez & Christian	12
*This section (02) requires a mandatory fieldtrip which will require additional costs. Please contact the instructor for more information: rgomez@rsmas.miami.edu		M/W		4:30pm-6:00pm	SG 116	Mandatory Fieldtrip During Spring Break Location: Bonaire Additional Costs: \$2000		
		TBD - If Necessary		OW Dives				

COURSE	SEC	COURSE NAME	CR	DAY	TIME	ROOM	INSTRUCTOR	SEATS
RSM 611	51	Principles of Mass Spectrometry & Applications to Marine, Atmospheric, and Environmental Science	3	T/R	9:00am-10:15am	SLAB 225 MAC Conf. Room *SLAB 286* 01/16/2018	Gaston	15
RSM 513/ 613 Prerequisite: RSM 612 or Permission	52	Statistical Modeling of Extreme & Rare Events	3	T/R	10:30am-11:45am	MSC 343	Mariano	20
RSM 520/ 620	65	Climate & Society	3	T	12:00pm-2:30pm	MSC 343	Clement & Maranto	15
RSM 521/ 621	33	Object-Oriented Programming & Agent-Based Modelling	3	M/W	11:05am-12:35pm	Ungar 210P Coral Gables	McManus	18
RSM 566/ 666	37	Polar Science	3	M/W	3:00pm-4:15pm	MSC 343	Minnett & Smith	18
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

COURSE	SEC	COURSE NAME	CR	DAY	TIME	ROOM	INSTRUCTOR	SEATS
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
RSM 667	09	MOCC	2	M	8:00am-11:15am	ARR	D'Alessandro	3
RSM 667	10	MOCC	2	M	1:15pm-4:30pm	ARR	D'Alessandro	3
RSM 667	08*	Advanced MOCC	1	Special Dates: 01/08/2018-01/14/2018		SLAB 120	Teare	6
*This section (08) is advanced. Proficiency in boating and trailering boats < 26'in length is required for enrollment.								
RSM 671	01	Special Topics Science Communication: Professional Writing	1	Special Dates: Tuesday 01/23/18, 01/30/18, 02/06/18, 02/13/18, 02/27/18, 03/20/18 Time: 4:30pm-7:00pm		SLAB 120	Fletcher	15
RSM 575/ 675	35	Special Topics Fractals & Scaling Laws in the Geophysical Sciences	3	M/W	1:30pm-2:45pm	SLAB 286	Willemsen	7
RSM 677	01	Special Topics Science Communication: Advanced Presentation Bootcamp	1	Special Dates: Saturday & Sunday 02/17/2018-02/18/2018 Time: 8:30am-5:00pm		SLAB 103	Lopez-Duarte	15
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	Directed Readings Special Topics in Coral Reefs	1	F	4:00pm-4:50pm	MTLSS 128 1 st Floor Conf. Room	Baker	
RSM 780	02	Directed Readings Special Topics in Clouds	1	ARR	ARR	ARR	Zuidema	5

Course Descriptions

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



- 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