

Important Dates:

Classes Begin: January 14, 2019

MLK Jr. Day (University Closed): January 21, 2019

Spring Recess: March 9 – 17, 2019

Last Day to Defend for Spring Graduation: April 5, 2019

Classes End: April 26, 2019

Final Exams: May 1 – 8, 2019

Deadline for Completion of Thesis/Dissertation: May 8, 2019

Spring Commencement Ceremony: May 9, 2019

Spring 2019 Schedule**Atmospheric Sciences (ATM)**

COURSE	SEC	COURSE NAME	CR	DAY	TIME	ROOM	INSTRUCTOR	SEATS	NOTES
ATM 632 MPO JMM/ATM 306	J1	Broadcast Meteorology	3	W	5:00pm-7:30pm	Wolfson 1008B Coral Gables Campus	Phillips	10	
ATM 534/ 634	35	Atmospheric Chemistry	3	M/W	1:30pm-2:45pm	SLAB 114	Atlas, Hynes & Gaston	8	
ATM 537/ 637 MPO OCE	57	Natural Hazards: Atmosphere & Ocean	3	T/R	3:00pm-4:15pm	MSC 329	Shay	19	
ATM 554/ 654 MPO	55	Climate Variability	3	T/R	1:30pm-2:45pm	MSC 343	Clement	15	
ATM 563/ 663 MPO	52	Mesoscale Meteorology	3	T/R	10:30am-11:45am	MSC 329	Mapes	15	
ATM 701 MPO	01	Seminar in ATM	1	W	3:00pm-4:00pm	SLAB 103	Kamenkovich		
ATM 711 MPO OCE	51	Geophysical Fluid Dynamics II	3	T/R	9:00am-10:15am	MSC 343	Mariano	20	
ATM 713 MPO	51	Predictability	3	T/R	9:00am-10:15am	MSC 125	Majumdar	12	

COURSE	SEC	COURSE NAME	CR	DAY	TIME	ROOM	INSTRUCTOR	SEATS	NOTES
ATM 765 MPO	32	General Circulation of the Atmosphere	3	M/W	10:30am-11:45am	MSC 329	Kirtman	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		

Marine Biology and Ecology (MBE)

COURSE	SEC	COURSE NAME	CR	DAY	TIME	ROOM	INSTRUCTOR	SEATS	NOTES
MBE 505/ 605	51	Marine Mammal Disease & Medicine	3	T/R	9:00am-10:15am	SLAB 114	Zaias	18	
MBE 506/ 606	01	Procedures in Marine Mammal Health and Disease	1	ARR	ARR	ARR	Zaias	18	
MBE 507/ 607 Instructor Permission Required. Priority for MMS Track.	42	Marine Mammal Applied Behavior Analysis & Managed Care	3	F	10:00am-2:00pm	Off-Campus Location* Key Largo, FL	N. Cooper & Richardson	12	Special Fees: \$1820 *Transportation is required to travel back and forth to Key Largo
MBE 514/ 614	01	Tropical Marine Biology: A Field Course	3	Special Dates: 01/04/2019-01/11/2019 Location: Broad Key, FL			D'Alessandro & Grubbs	12	

COURSE	SEC	COURSE NAME	CR	DAY	TIME	ROOM	INSTRUCTOR	SEATS	NOTES
MBE 618	35	Reef Coral Biology, Ecology & Conservation	3	M/W	1:30pm-2:45pm	MTLSS 167	Baker	18	
MBE 518/ 618	Q	Reef Coral Biology, Ecology & Conservation	3	T/R	12:30pm-1:45pm	Whitten LC 140 Coral Gables Campus	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 529/ 629	R	Population Genetics & Genomics	3	T/R	2:00pm-3:15pm	SLAB 114	McCracken	15	
MBE 643 Instructor Permission Required	01	Ecology, Conservation, & Ecotourism in the Galapagos	3	Special Dates: TBA			D'Alessandro	15	Special Fees: \$2500 + Airfare (includes housing, meals, & mandatory field excursions)
MBE 686	54	Fish Physiology	3	T/R	12:00pm-1:15pm	MTLSS 167	Grosell	16	
MBE 702	01	Biological Oceanography Seminar	1	F	1:00pm-2:00pm	SLAB 103	Fieber		
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	NOTES
MES 501/ 601	55	Political Ecology of Resource Management	3	T/R	1:30pm-2:45pm	SG 116	Meltzoff	12	
MES 604 LAS 604 LAS 302 ECS 372 LAW 629	4K	Fieldwork in Coastal Management: Tourism, Conservation, & Development	3	W	6:25pm-8:50pm	Dooly 204 Coral Gables Campus	Suman	6	Spring Break Trip 03/09/19-03/17/19 Location: Colombia Additional Fees: \$550 + Airfare
MES 610 LAW 601	57	Environmental Policy & the Environmental Impact Statement	3	T/R	3:00pm-4:15pm	MSC 343	Suman	20	
MES 513/ 613	32	Aquaculture II – Lab	3	M/W	10:30am-11:45am	SLAB 114	Benetti	14	
MES 614	32	Underwater Archaeology Field Techniques	3	M	10:30am-11:45am	SG 116	Hanselmann	10	Prerequisite: RSM 600
				W	8:00am-12:00pm	Practicum			
MES 615	01	Marine Archaeological Survey & Technology	3	ARR	ARR	ARR	Hanselmann	10	Spring Break Trip Location: Broad Key, FL Recommended Prerequisite: RSM 667
MES 618	54	Coastal Zone Management	3	T/R	12:00pm-1:15pm	SG 116	Suman	24	
MES 623	38	Applied Economics for Environmental Management	3	T/R	4:30pm-5:45pm LECTURE	MSC 329	Molina	20	Prerequisite: MES 608 or Permission Students must enroll in both sections
	38A			W	4:30pm-5:30pm DISCUSSION	MSC 329			

COURSE	SEC	COURSE NAME	CR	DAY	TIME	ROOM	INSTRUCTOR	SEATS	NOTES
MES 528/ 628	52	Seafood Market & Marketing	3	T/R	10:30am-11:45am	SLAB 114	Walsh	14	
MES 529/ 629	52	Biology, Ecology, & Management of Mangrove Ecosystems	3	T/R	10:30am-11:45am	SG 116	Araujo	16	
MES 631	34	Marine and Coastal Protected Area Theory, Planning, Management, and Issues	3	M/W	12:00pm-1:15pm	SG 116	Shivlani	24	
MES 534/ 634	54	Shark Behavioral Ecology & Conservation	3	T/R	12:00pm-1:15pm	MSC 123	Hammerschlag	20	Pre/Co-requisite: MES 660 & MES 661
MES 634 ECS 572	55	Shark Behavioral Ecology & Conservation	3	T/R	1:30pm-2:45pm	MSC 123	Hammerschlag	20	Pre/Co-requisite: MES 660 & MES 661
MES 646	32	Marine Population Biology Processes & Modeling	3	M/W	10:30am-11:45am	MSC 123	Die	18	
MES 660	31	Intro to Marine Geographic Information Systems (GIS)	3	M	9:00am-10:15am	MSC 123	Estevanez	45	Corequisite: MES 661
MES 661	01	Intro to Marine GIS Lab	0	W	9:00am-10:15am	MSC 123	Estevanez	15	Corequisite: MES 660
MES 661	02	Intro to Marine GIS Lab	0	W	9:00am-10:15am	MSC 123	Estevanez	15	Corequisite: MES 660
MES 661	03	Intro to Marine GIS Lab	0	W	9:00am-10:15am	MSC 123	Estevanez	15	Corequisite: MES 660
MES 662	35	Intermediate Spatial Analysis	3	M/W	1:30pm-2:45pm	MSC 343	Estevanez	20	

COURSE	SEC	COURSE NAME	CR	DAY	TIME	ROOM	INSTRUCTOR	SEATS	NOTES
MES 565/ 665	58	Exploration Technology & Media	3	T/R	4:30pm-5:45pm	SG 116	K. Haywood	12	
MES 572/ 672	49	The Archaeology of Seafaring	3	W	5:00pm-7:30pm	SLAB 114	Marano	10	
MES 673	68	Marine Conservation Outreach	3	T	4:30pm-7:00pm	SLAB 114	Bretos	10	Spring Break Trip Location: Mexico Additional Costs: \$1500 + Airfare
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	SG 116	Shivlani	24	
MES 805	01	MPS Internship	1-6	ARR	ARR	ARR	Soden		
MES 810	01	Master's Thesis	1-6	ARR	ARR	ARR	Letson		
MES 830	01	Doctoral Dissertation	1-12	ARR	ARR	ARR	Letson		

Marine Geosciences (MGS)

COURSE	SEC	COURSE NAME	CR	DAY	TIME	ROOM	INSTRUCTOR	SEATS	NOTES
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	7	Field Location: Exuma, Bahamas Additional Costs: Airfare
MGS 634 GSC 550	1J	Hydrological Hazards	3	M	5:30pm-8:00pm	Cox 47 Coral Gables Campus	Olson & Rossinsky	6	
MGS 541/ 641	01	Field Evaluation of Fossil Platforms, Margins, & Basins	2	ARR	ARR	ARR	Eberli, McNeill, Swart & Klaus	10	Field Location: TBA
MGS 583/ 683	01	Scanning Electron Microscopy	2	F	1:30pm-3:30pm	Knight Physics 142A Coral Gables Campus	Blackwelder	10	
MGS 701	01	Seminar in MGS	1	R	12:00pm-1:30pm	CIMAS 301	TBA		
MGS 720	41	Satellite Radar Interferometry in the Earth Sciences	3	W	9:00am-11:30am	N351 MGS Conf. Room	Amelung	10	
MGS 721	01	Petroleum Geology of Carbonates	2	Special Dates: ARR		ARR	Dolson	6	
MGS 722	41	Geophysical Inverse Theory	3	M	9:00am-11:30am	N351 MGS Conf. Room	Amelung	10	
MGS 723	34	Geodynamics	3	M/W	12:00pm-1:15pm	N351 MGS Conf. Room	Lin	10	

COURSE	SEC	COURSE NAME	CR	DAY	TIME	ROOM	INSTRUCTOR	SEATS	NOTES
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 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	NOTES
MPO 632 ATM JMM/ATM 306	J1	Broadcast Meteorology	3	W	5:00pm-7:30pm	Wolfson 1008B Coral Gables Campus	Phillips	10	
MPO 637 ATM OCE	57	Natural Hazards: Atmosphere & Ocean	3	T/R	3:00pm-4:15pm	MSC 329	Shay	19	

COURSE	SEC	COURSE NAME	CR	DAY	TIME	ROOM	INSTRUCTOR	SEATS	NOTES
MPO 643 OCE	34	Physics of Remote Sensing II: Active Systems	3	M/W	12:00pm-1:15pm	MSC 329	Romeiser	15	
MPO 654 ATM	55	Climate Variability	3	T/R	1:30pm-2:45pm	MSC 343	Clement	15	
MPO 663 ATM	52	Mesoscale Meteorology	3	T/R	10:30am-11:45am	MSC 329	Mapes	15	
MPO 687 OCE	54	Applied Radar Remote Sensing	3	T/R	12:00pm-1:15pm	MSC 125	Romeiser & Graber	15	
MPO 701 ATM	01	Seminar in MPO	1	W	3:00pm-4:00pm	SLAB 103	Kamenkovich		
MPO 711 ATM OCE	51	Geophysical Fluid Dynamics II	3	T/R	9:00am-10:15am	MSC 343	Mariano	20	
MPO 712 OCE	55	Large-Scale Ocean Circulation: Models & Observations	3	T/R	1:30pm-2:45pm	MSC 329	Johns	12	
MPO 713 ATM	51	Predictability	3	T/R	9:00am-10:15am	MSC 125	Majumdar	12	
MPO 765 ATM	32	General Circulation of the Atmosphere	3	M/W	10:30am-11:45am	MSC 329	Kirtman	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	NOTES
OCE 509/ 609	57	Coastal Physics & Engineering	3	T/R	3:00pm-4:15pm	MSC 125	Haus	12	
OCE 610	31	Ocean Biogeochemistry	3	M/W	9:00am-10:15am	SLAB 286	Hansell	8	
OCE 537/637 MPO ATM	57	Natural Hazards: Atmosphere & Ocean	3	T/R	3:00pm-4:15pm	MSC 329	Shay	19	
OCE 543/ 643 MPO	34	Physics of Remote Sensing II: Active Systems	3	M/W	12:00pm-1:15pm	MSC 329	Romeiser	15	
OCE 551/ 651	54	Applied Ocean Acoustics & Marine Mammals	3	T/R	12:00pm-1:15pm	MSC 329	Brown	15	
OCE 576/ 676	52	Wave Propagation in the Ocean Environment	3	T/R	10:30am-11:45am	MSC 125	Romeiser	8	
OCE 587/ 687 MPO	54	Applied Radar Remote Sensing	3	T/R	12:00pm-1:15pm	MSC 125	Romeiser & Graber	15	
OCE 711 MPO ATM	51	Geophysical Fluid Dynamics II	3	T/R	9:00am-10:15am	MSC 343	Mariano	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 343	Paris & Olascoaga	10	
OCE 712 MPO	55	Large Scale Ocean Circulation: Models & Observations	3	T/R	1:30pm-2:45pm	MSC 329	Johns	12	

COURSE	SEC	COURSE NAME	CR	DAY	TIME	ROOM	INSTRUCTOR	SEATS	NOTES
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 329	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	Romeiser		
OCE 830	01	Doctoral Dissertation	1-12	ARR	ARR	ARR	Romeiser		

RSMAS General Courses (RSM)

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	NOTES
RSM 600 <i>Enrollment Permission Required</i>	01	Research Diving Techniques	3	M	7:30am-11:00am	Pool Coral Gables Campus	Riera-Gomez & Christian	12	<u>Mandatory Fieldtrip</u> Date: TBA Location: Little Salt Spring
				M	4:30pm-6:00pm	SG 116			
				F	7:00am-1:00pm	OW Dives			
RSM 500/ 600 <i>Enrollment Permission Required</i>	02	Research Diving Techniques	3	T	7:30am-11:00am	Pool Coral Gables Campus	Riera-Gomez & Christian	12	<u>Mandatory Spring Break Trip</u> Location: Bonaire Additional Costs: \$1400 + Airfare
				M	4:30pm-6:00pm	SG 116			
Enrollment Requirements for MOCC Must possess a valid U.S. Driver's License with less than 6 points.									
COURSE	SEC	COURSE NAME	CR	DAY	TIME	ROOM	INSTRUCTOR	SEATS	NOTES
RSM 667 <i>Enrollment Permission Required</i>	01	Motorboat Operator Certificate Course (MOCC)	2	T	8:00am-11:15am	ARR	Teare	3	
RSM 667 <i>Enrollment Permission Required</i>	02	MOCC	2	W	8:00am-11:15am	ARR	Teare	3	
RSM 667 <i>Enrollment Permission Required</i>	03	MOCC	2	R	8:00am-11:15am	ARR	Teare	3	
RSM 667 <i>Enrollment Permission Required</i>	04	MOCC	2	F	8:00am-11:15am	ARR	Teare	3	

Course Descriptions

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

COURSE	SEC	COURSE NAME	CR	DAY	TIME	ROOM	INSTRUCTOR	SEATS	NOTES
RSM 513/ 613	52	Statistical Modeling of Extreme & Rare Events	3	T/R	10:30am-11:45am	MSC 343	Mariano	20	
RSM 521/ 621	33	Object-Oriented Programming & Agent-Based Modelling	3	M/W	3:35pm-4:50pm	Cox 166 Coral Gables Campus	McManus	18	
RSM 648	48	Management and Leadership in Marine and Atmospheric Science	3	M	4:30pm-7:00pm	SLAB 114	Coco	15	
RSM 671	49	Special Topics Science Communication: Professional Writing	1	W	5:30pm-7:00pm	MSC 125	Fletcher	15	
RSM 677	01	Special Topics Science Communication: Advanced Presentation Bootcamp	1	Special Dates: Saturday & Sunday TBA Time: 8:30am-5:00pm		TBA	Tankersley	15	
RSM 780	01	Directed Readings Special Topics in Coral Reefs	1	F	4:00pm-4:50pm	MTLSS 128 1 st Floor Conf. Room	Baker	10	
RSM 780	02	Directed Readings Special Topics in Clouds	1	ARR	ARR	ARR	Zuidema	5	
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		

