

**Important Dates:**

Classes Begin: August 24, 2020
 Labor Day (University Closed): September 7, 2020
 Fall Recess: October 15 – 18, 2020
 Last Day to Defend for Fall Graduation: November 6, 2020
 Thanksgiving Recess: November 21 – 29, 2020
 Thanksgiving Holiday (University Closed): November 26 – 27, 2020
 Classes End: December 8, 2020
 Final Exams: December 10 – 16, 2020
 Deadline for Completion of Thesis/Dissertation: December 16, 2020
 Fall Commencement: December 17, 2020

Fall 2020 Schedule**Atmospheric Sciences (ATM)**

COURSE	SEC	COURSE NAME	CR	DAY	TIME	ROOM	INSTRUCTOR	SEATS	NOTES
ATM 511/ 611 MPO OCE	38	Geophysical Fluid Dynamics I	3	M/W	4:30pm-5:45pm	MSC 329	Ozgekmen	16	
ATM 614	55	Introduction to Weather & Climate	3	T/R	1:30pm-2:45pm	MSC 329	Soden	10	
ATM 651 MPO	32	Introduction to Atmospheric Dynamics	3	M/W	10:30am-11:45am	MSC 343	Mapes	16	
ATM 652 MPO	52	Introduction to Atmospheric Physics	3	T/R	10:30am-11:45am	MSC 329	Zuidema	16	
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	12:00pm-2:30pm	MSC 343	TBA	15	
ATM 731 MPO OCE	57	Air-Sea Interaction	3	T/R	3:00pm-4:15pm	MSC 329	Shay	15	

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

COURSE	SEC	COURSE NAME	CR	DAY	TIME	ROOM	INSTRUCTOR	SEATS	NOTES
ATM 764 MPO OCE	58	Atmospheric & Oceanic Turbulence	3	T/R	4:30pm-5:45pm	MSC 329	Ozgekmen	12	
ATM 805	01	MPS Internship	1-6	ARR	ARR	ARR	D'Alessandro		
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 604	Q	Biology of Marine Mammals	3	T/R	12:30pm-1:45pm	Ungar 230C Coral Gables Campus	Richardson	12	
MBE 615	55	Tropical Marine Ecology	3	T/R	1:30pm-2:45pm	MSC 343	Langdon, Lirman & Baker	35	
MBE 535/ 635	46	Practical Computing for Biologists	3	M	2:00pm-4:30pm	RSMAS Library Media Room	Crawford & Oleksiak	12	
MBE 643 <i>Instructor Permission Required</i>	01	Ecology, Conservation, & Ecotourism in the Galapagos	3	Special Dates: TBA			D'Alessandro	15	Special Fees: \$2500 + Airfare (includes housing, meals, and mandatory field excursions)
MBE 704	32	Biological Oceanography	3	M/W	10:30am-11:45am	MSC 329	Brand	18	
MBE 702	01	MBE Graduate Student Seminar	1	F	12:00pm-1:00pm	SLAB 103	Fieber		
MBE 805	01	MPS Internship	1-6	ARR	ARR	ARR	D'Alessandro		
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 502/ 602	55	Economics of Natural Resources	3	T/R	1:30pm-2:45pm	SG 116	Letson	20	
MES 603 ECS 601	4G	Interdisciplinary Environmental Research: Introduction to the Why & the How	3	W	2:30pm-5:00pm	Ungar 230C Coral Gables Campus	Mach	10	
MES 512/ 612	32	Aquaculture I	3	M/W	10:30am-11:45am	SLAB 120	Benetti	15	
MES 516/ 616	35	Ocean Policy Development & Analysis	3	M/W	1:30pm-2:45pm	MSC 123	Shivlani	24	
MES 517/ 617	35	Aquaculture IV: Aquaculture Business, Regulatory, and Environmental Considerations	3	M/W	1:30pm-2:45pm	SLAB 120	Stieglitz	15	
MES 520/ 620	57	Environmental Law & Policy	3	T/R	3:00pm-4:15pm	MSC 123	K. Cox	25	
MES 622	32	Principles and Practices of Marine Social Science Research	3	M/W	10:30am-11:45am	MSC 123	Araujo & Shivlani	20	
MES 624	34	Data Analysis for Environmental Policy	3	M/W	12:00pm-1:15pm LECTURE	MSC 123	Molina	20	Students must enroll in both sections
	4E			W	3:00pm-4:00pm DISCUSSION	MSC 123			
MES 525/ 625	51	Fisheries Socioeconomics & Management	3	T/R	9:00am-10:15am	SLAB 120	Agar	20	

COURSE	SEC	COURSE NAME	CR	DAY	TIME	ROOM	INSTRUCTOR	SEATS	NOTES
MES 626	45	Submerged Cultural Resource Management	3	W	1:30pm-4:00pm	SG 116	Hanselmann	10	
MES 532/ 632	45	Theory & Method in Underwater & Maritime Archaeology	3	M	1:30pm-4:00pm	SG 116	Hanselmann	12	
MES 533/ 633	57	Decision Analysis: Natural Hazards & Catastrophes	3	T/R	3:00pm-4:15pm	SG 116	Letson	20	
MES 660	31	Introduction to Marine Geographic Information Systems (GIS)	3	M	9:00am-10:15am	MSC 123	Estevanez	30	Corequisite: MES 661 (01 or 02)
MES 661	01	Introduction to Marine GIS - Lab	0	W	9:00am-10:15am	MSC 123	Estevanez	15	Corequisite: MES 660 (31)
MES 661	02	Introduction to Marine GIS - Lab	0	W	9:00am-10:15am	MSC 123	Estevanez	15	Corequisite: MES 660 (31)
MES 664 ECS 376	57	Citizen & Participatory Science	3	T/R	3:00pm-4:15pm	SLAB 120	Haywood	15	
MES 670	43	Conservation & Management of Marine Mammals	3	F	11:30am-2:30pm	SLAB 120	H. Herring & S. Loos	18	
MES 671	52	Marine Conservation Biology	3	T/R	10:30am-11:45am	SLAB 120	C. Macdonald	20	
MES 671	54	Marine Conservation Biology	3	T/R	12:00pm-1:15pm	SLAB 120	C. Macdonald	20	

COURSE	SEC	COURSE NAME	CR	DAY	TIME	ROOM	INSTRUCTOR	SEATS	NOTES
MES 574/ 674	61	From Gold to Glory: History & Ethics of Exploration	3	T	9:00am-11:30am	SG 116	Broad	24	
MES 713	32	Marine Population Dynamics	3	M/W	10:30am-11:45am	SG 116	Die	8	
MES 715	51	Advanced Biometrics	3	T/R	9:00am-10:15am	MSC 343	Ault	8	
MES 720	58	Coastal Law & Policy	3	T/R	4:30pm-5:45pm	SG 116	Suman	15	
MES 805	01	MPS Internship	1-6	ARR	ARR	ARR	D'Alessandro		
MES 810	01	Master's Thesis	1-6	ARR	ARR	ARR	Mach		
MES 830	01	Doctoral Dissertation	1-12	ARR	ARR	ARR	Mach		

Marine Geosciences (MGS)

COURSE	SEC	COURSE NAME	CR	DAY	TIME	ROOM	INSTRUCTOR	SEATS	NOTES
MGS 535/ 635	31	Geological Hazards	3	M/W	9:00am-10:15am	NG 351 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 761	01	Sedimentary Petrography	3	ARR	ARR	MGS Microscope	Reid	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 603 OCE	52	Physical Oceanography	3	T/R	10:30am-11:45am	MSC 343	Beal	15	
MPO 611 ATM OCE	38	Geophysical Fluid Dynamics I	3	M/W	4:30pm-5:45pm	MSC 329	Ozgekmen	15	
MPO 642 OCE	37	Physics of Remote Sensing I: Passive Systems	3	M/W	3:00pm-4:15pm	SLAB 120	Minnett	15	
MPO 651 ATM	32	Introduction to Atmospheric Dynamics	3	M/W	10:30am-11:45am	MSC 343	Mapes	16	
MPO 652 ATM	52	Introduction to Atmospheric Physics	3	T/R	10:30am-11:45am	MSC 329	Zuidema	16	
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	12:00pm-2:30pm	MSC 343	TBA	15	
MPO 686 OCE	31	Applied Remote Sensing	3	M/W	9:00am-10:15am	SLAB 120	Minnett	15	
MPO 724 OCE	54	Statistical Modeling of Geophysical Fields	3	T/R	12:00pm-1:15pm	MSC 343	Mariano	10	
MPO 731 ATM OCE	57	Air-Sea Interaction	3	T/R	3:00pm-4:15pm	MSC 329	Shay	15	
MPO 750 OCE	37	Coastal Ocean Circulation	3	M/W	3:00pm-4:15pm	MSC 329	Shay	15	

COURSE	SEC	COURSE NAME	CR	DAY	TIME	ROOM	INSTRUCTOR	SEATS	NOTES
MPO 762 OCE	34	Computer Models of Fluid Dynamics	3	M/W	12:00pm-1:15pm	MSC 329	Iskandarani	10	
MPO 764 ATM OCE	58	Atmospheric & Oceanic Turbulence	3	T/R	4:30pm-5:45pm	MSC 329	Ozgekmen	12	
MPO 776 OCE	55	Mesoscale Oceanography	3	T/R	1:30pm-2:45pm	SLAB 120	Kamenkovich & Mariano	12	
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 503/ 603 MPO	52	Physical Oceanography	3	T/R	10:30am-11:45am	MSC 343	Beal	15	
OCE 508/ 608	45	Introduction to Ocean Systems Engineering	3	F	1:30pm-4:00pm	MSC 329	Graber, Haus, Iskandarani, Negahdaripour, Ozgokmen, Romeiser, & Zha	10	
OCE 511/ 611 ATM MPO	38	Geophysical Fluid Dynamics I	3	M/W	4:30pm-5:45pm	MSC 329	Ozgokmen	16	
OCE 542/ 642 MPO	37	Physics of Remote Sensing I: Passive Systems	3	M/W	3:00pm-4:15pm	SLAB 120	Minnett	15	
OCE 575/ 675	31	Fluid Mechanics	3	M/W	9:00am-10:15am	MSC 329	Brown	15	
OCE 586/ 686 MPO	31	Applied Remote Sensing	3	M/W	9:00am-10:15am	SLAB 120	Minnett	15	
OCE 701	51	Mathematical Methods in Marine Physics	3	T/R	9:00am-10:15am	MSC 329	Brown & Iskandarani	10	
OCE 705	34	Chemical Oceanography	3	M/W	12:00pm-1:15pm	SLAB 120	Wu	8	
OCE 724 MPO	54	Statistical Modeling of Geophysical Fields	3	T/R	12:00pm-1:15pm	MSC 343	Mariano	10	
OCE 731 ATM MPO	57	Air-Sea Interaction	3	T/R	3:00pm-4:15pm	MSC 329	Shay	15	
OCE 750 MPO	37	Coastal Ocean Circulation	3	M/W	3:00pm-4:15pm	MSC 329	Shay	15	

COURSE	SEC	COURSE NAME	CR	DAY	TIME	ROOM	INSTRUCTOR	SEATS	NOTES
OCE 762 MPO	34	Computer Models of Fluid Dynamics	3	M/W	12:00pm-1:15pm	MSC 329	Iskandarani	10	
OCE 764 ATM MPO	58	Atmospheric & Oceanic Turbulence	3	T/R	4:30pm-5:45pm	MSC 329	Ozgekmen	12	
OCE 768	38	Marine Trace Element Geochemistry	3	M/W	4:30pm-5:45pm	MSC 343	Wu	8	
OCE 776 MPO	55	Mesoscale Oceanography	3	T/R	1:30pm-2:45pm	SLAB 120	Kamenkovich & Mariano	12	
OCE 770	01	Seminar in Ocean Sciences	1	F	11:00am-12:00pm	RSMAS Auditorium	Romeiser		
OCE 780	01	Capstone Independent Study of Coastal Engineering	3	ARR	ARR	MTLSS Bldg.	Haus		
OCE 805	01	MPS Internship	1-6	ARR	ARR	ARR	D'Alessandro		
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	NOTES
RSM 612	51	Statistics for Marine Scientists	3	T/R	9:00am-10:15am	MSC 123	Babcock	20	
RSM 612	52	Statistics for Marine Scientists	3	T/R	10:30am-11:45am	MSC 123	Babcock	20	
RSM 622	01	Data Management for Scientists	2	ARR	ARR	ARR	Babcock	5	
RSM 780	01	Directed Readings Special Topics in Coral Reefs	1	R	4:00pm-4:50pm	MSC 125	Baker	10	
RSM 700	01	Research Ethics	0	ARR	ARR	ARR	Soden		
RSM 771	01	Educational Training 1	0	ARR	ARR	ARR	Soden		
RSM 772	01	Educational Training 2	0	ARR	ARR	ARR	Soden		
RSM 773	01	Educational Training 3	0	ARR	ARR	ARR	Soden		

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 500/ 600 <i>Enrollment Permission Required</i>	01	Research Diving Techniques	3	TBA	TBA	Pool RSMAS Campus	Riera-Gomez & Christian	12	<u>Mandatory Fieldtrip</u> Date: TBA Location: Little Salt Spring, FL
				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	TBA	TBA	Pool RSMAS Campus	Riera-Gomez & Christian	12	<u>Mandatory Fieldtrip</u> Date: TBA 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 Enrollment Permission Required	01	Motorboat Operator Certification Course (MOCC)	2	T	8:00am-11:15am	ARR	Teare	3	
RSM 667 Enrollment Permission Required	02	MOCC	2	W	8:00am-11:15am	ARR	Teare	3	
RSM 667 Enrollment Permission Required	03	MOCC	2	R	8:00am-11:15am	ARR	Teare	3	
RSM 667 Enrollment Permission Required	04	MOCC	2	F	8:00am-11:15am	ARR	Teare	3	
RSM 667 Enrollment Permission Required	05	MOCC	2	T	1:15pm-4:30pm	ARR	Peebles	3	
RSM 667 Enrollment Permission Required	06	MOCC	2	W	1:15pm-4:30pm	ARR	Peebles	3	
RSM 667 Enrollment Permission Required	07	MOCC	2	R	1:15pm-4:30pm	ARR	Peebles	3	
RSM 667 Enrollment Permission Required	08	MOCC	2	F	1:15pm-4:30pm	ARR	Peebles	3	

