

THE UNIVERSITY OF SOUTHERN MISSISSIPPI

**Division of Marine Science
Onsite Stennis Graduate Courses
Fall 2023**

HYD 600	Classical Geodesy	Mon / Wed	8:00am – 9:15am
HYD 607	Ocean for Hydrography	Mon / Wed	9:30am – 10:45am
HYD 608	Practical Hydrographic Science	Tues / Thurs	9:30am – 10:45am
HYD 609	Nautical Science	Tuesdays	1:00pm – 3:45pm
HYD 620	Math Concepts for Hydrographers	Tues / Thurs	8:00am – 9:15am
MAR 600	Biological Oceanography	Mon / Wed	8:00am – 9:15am
MAR 600L	Biological Oceanography Lab	Tuesdays	9:30am – 12:15pm
MAR 660	Physical Oceanography	Mon / Wed	9:30am – 10:45am
MAR 660L	Physical Oceanography Lab	Wednesdays	1:00pm – 3:45pm
MAR 668	Applied Ocean Acoustics	Mon / Wed	11:00am – 12:15pm
MAR 689	Seminar in Marine Science	Fridays	2:30am – 3:30pm
MAR 701	Marine Bio-Optics	Tues / Thurs	1:00pm – 2:15pm

Course Descriptions

HYD 600	Classical Geodesy	Mon / Wed	8:00am – 9:15am
	Instructor: Hiroji, Anand Devappa		
	(Section G001) Prerequisite(s): Permission of instructor. Introduction to determination of curvature, shape, and dimensions of the earth, and to positions of ocean bottom features and topography.		
HYD 607	Ocean for Hydrography	Mon / Wed	9:30am – 10:45am
	Instructor: Netchaev, Dmitri		
	(Section G001) An integrated approach to the oceanographic operating environment, this course covers physical oceanography and marine geology.		
HYD 608	Practical Hydrographic Science	Tues / Thurs	9:30am – 10:45am
	Instructor: TBD		
	(Section G001) Prerequisite(s): Permission of instructor. Practical aspects of planning, conducting, and evaluating results of hydrographic projects.		

HYD 609	Nautical Science Instructor: TBD (Section G001) Prerequisite(s): Permission of instructor. This course will provide the student with a basic understanding of the principles of nautical science as applied to hydrographic science. <i>Course Dates: 8/21/2023 – 10/9/2023</i>	Tuesdays	1:00pm – 3:45pm
HYD 620	Math Concepts for Hydrographers Instructor: Netchaev, Dmitri (Section G001) Prerequisite(s): Permission of instructor. Application of mathematical and statistical concepts for hydrographic science.	Tues / Thurs	8:00am – 9:15am
MAR 600	Biological Oceanography Instructor: Mojica, Kristina (Section G001) Marine biological regimes and the influence of geological, physical, and chemical oceanographic features.	Mon / Wed	8:00am – 9:15am
MAR 600L	Biological Oceanography Lab Instructor: Mojica, Kristina (Section G001) A laboratory for MAR 600.	Tuesdays	9:30am – 12:15pm
MAR 660	Physical Oceanography Instructor: Buijsman, Maarten (Section G001) Prerequisite(s): PHY 112, or 202 and MAT 168 or permission of instructor. An introduction to the physical properties of the oceans.	Mon / Wed	9:30am – 10:45am
MAR 660L	Physical Oceanography Lab Instructor: Buijsman, Maarten (Section G001) A laboratory designed to accompany MAR 660.	Wednesdays	1:00pm – 3:45pm
MAR 668	Applied Ocean Acoustics Instructor: Oguntuase, Johnson (Section G001) Prerequisite(s): Permission of instructor. Fundamentals of sound propagation, scattering and noise in the sea and applications for transducers, arrays, and signal processing.	Mon / Wed	11:00am – 12:15pm
MAR 689	Seminar in Marine Science Instructor: TBD (Section G001) Prerequisite(s): Permission of instructor. Current topics in marine science explored via student discussion and presentation. May be repeated.	Fridays	2:30am – 3:30pm
MAR 701	Marine Bio-Optics Instructor: Zhang, Xiaodong (Section G001) Prerequisite(s): MAR 600, MAR 621, MAR 640, MAR 660 or permission of instructor. This course will provide an understanding of concepts of hydrological optics, particularly as they relate to biological processes in the oceans.	Tues / Thurs	1:00pm – 2:15pm

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Registration Information

Registration

Students interested in registering for a USM Division of Marine Science class should contact Dajaneir Thompson at 228.688.3177. Classes begin August 21st. For more information about the Division of Marine Science and the degree programs they offer, please see <https://www.usm.edu/ocean-science-engineering/index.php>

Admissions

All students must be admitted to USM prior to registering for courses. For further information regarding graduate admission requirements, procedures, and deadlines, please see <https://www.usm.edu/graduate-admissions/index.php>.

Application materials for Marine Science should be obtained from the Division of Marine Science in Building 1020 (phone number: 228-688-7097).

Non-Degree Seeking Students

Students that do not wish to pursue a degree may seek admission as a non-degree student. Applicants interested in applying for non-degree status can do so by submitting an online application, proof of undergraduate degree, and application fee. A prospective student may choose to enroll as a non-degree graduate student for the following reasons:

- The applicant did not meet requirements for regular or conditional admission.
- The applicant is not seeking a degree but wishes to take graduate courses for personal or professional development.
- The applicant is seeking a degree at another university and desires to obtain credit from The University of Southern Mississippi to be transferred to their degree program.
- The applicant did not meet the application deadline for a degree program.

Enrollment as a non-degree graduate student does not signify admission to any school or to any degree program. A non-degree graduate student must hold a baccalaureate degree from an accredited institution. Up to 12 hours of coursework taken at USM as a non-degree student may be applied to a graduate degree program with the approval of the graduate committee chair and/or graduate committee if the student is admitted later to a degree program. Non-degree coursework to be used in a degree program is subject to time limits. Non-degree graduate students are not eligible for financial aid.

Tuition for Fall 2023

Please see <https://www.usm.edu/business-services/general-tuition-fees.php> for information regarding Fall 2023 graduate tuition and fees.

Information about Mississippi residency status can be found at <https://www.usm.edu/registrar/mississippi-residency.php>.

Refund Schedule

100% minus a \$30 fee	First 6 working days
0%	After 6 working days

See <https://www.usm.edu/business-services/withdrawals-and-tuition-credit> for more important refund information.

Important Dates

August 21 st	Classes begin
August 28 th	Last day to drop full term classes without academic or financial penalty and receive 100% tuition credit
December 4 th	Final exams begin

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