

The University of Southern Mississippi

Division of Marine Science

Spring 2023 - Course List

HYD 601	Hydrographic Data Management	Mon / Wed	1:00pm – 2:15pm
HYD 604	Kinematic Positioning	Tues / Thurs	11:00am – 12:15am
HYD 605	Applied Bathymetry	Mon / Wed	11:00am – 12:15am
HYD 612	Water Levels	Mon / Wed	9:30am – 10:45am
MAR 600	Biological Oceanography	Mon / Wed	8:00am – 9:15am
MAR 600L	Biological Oceanography Laboratory	Tuesdays	9:30am – 12:15pm
MAR 621	Geological Oceanography	Thursdays	9:30am – 12:15pm
MAR 621L	Geological Oceanography Laboratory	Wednesdays	1:00pm – 3:45pm
MAR 665	Oceanographic Data Analysis	Tues / Thurs	1:00pm – 2:15pm
MAR 667	Waves and Tides	Tues / Thurs	9:30am – 10:45am
MAR 689	Seminar in Marine Science	Fridays	2:30pm – 3:30pm

Course Descriptions

HYD 601	Hydrographic Data Management Instructor: Hiroji, Anand Devappa (Section G001) Prerequisite(s): Permission of instructor. The methods of data acquisition and control, capture, processing, and analysis applied to construction of navigational charts.	Mon / Wed	1:00pm – 2:15pm
HYD 604	Kinematic Positioning Instructor: Oguntuase, Johnson (Section G001) Prerequisite(s): Permission of instructor. The use of satellites in geodesy, positioning, navigation, and altimetry demonstrated through classroom lectures and practical exercises.	Tues / Thurs	11:00am – 12:15am
HYD 605	Applied Bathymetry Instructor: Oguntuase, Johnson (Section G001) Prerequisite(s): MAR 621 or MAR 668 or equivalent. An application of ocean acoustic and transducer principles to the methods of measuring and recording the shape of the sea bed.	Mon / Wed	11:00am – 12:15am
HYD 612	Water Levels Instructor: Howden, Stephan (Section G001) Prerequisite(s): MAR 660 or permission of instructor. Theory and measurements of tidal and non-tidal water levels for hydrographic applications.	Mon / Wed	9:30am – 10:45am

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 Laboratory Instructor: Mojica, Kristina (Section G001) A laboratory for MAR 600.	Tuesdays	9:30am – 12:15pm
MAR 621	Geological Oceanography Instructor: Wallace, Davin (Section G001) Study of the formation and deformation of the oceanic crust and the distribution and character of marine sediments.	Thursdays	9:30am – 12:15pm
MAR 621L	Geological Oceanography Laboratory Instructor: Wallace, Davin (Section G001) Examination and interpretation of marine geological samples and data.	Wednesdays	1:00pm – 3:45pm
MAR 665	Oceanographic Data Analysis Instructor: Wiggert, Jeremy (Section G002) Prerequisite(s): MAR 660 or permission of instructor. Analysis techniques with applications to physical oceanographic time series data. Topics will include correlation, spectral, and principal component analysis.	Tues / Thurs	1:00pm – 2:15pm
MAR 667	Waves and Tides Instructor: Netchaev, Dmitri (Section G001) Prerequisite(s): MAR 660 and permission of instructor. Wind-generated surface gravity waves, tide-generating forces, observing water levels, and numerical simulation of ocean tides.	Tues / Thurs	9:30am – 10:45am
MAR 689	Seminar in Marine Science Instructor: Staff (Section G001) Prerequisite(s): Permission of instructor. Current topics in marine science explored via student discussion and presentation. May be repeated.	Fridays	2:30pm – 3:30pm

University of Southern Mississippi 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 January 18th.

Admissions

All student applicants must complete an application form and provide official transcripts. All students entering USM for the first time must document proof of immunization for measles, mumps, and rubella.

Students pursuing a master's and Ph.D. degree must be fully admitted to the Graduate School and follow a program approved by the major department and the Graduate School. Application materials for Marine Science should be obtained from the Division of Marine Science in Building 1020 (phone number: 228-688-7097).

<https://www.usm.edu/admissions/>

Non-Degree Seeking Student Admission

Students who do not wish to pursue a degree may seek admission as a non-degree seeking student. However, only a limited number of non-degree credits 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

Graduate Students: Resident tuition is \$519.12 per graduate semester hour for 1-8 hours. Non-resident tuition is \$631.12 per graduate semester hour for 1-8 hours.

More information about tuition and fees can be found at: <https://www.usm.edu/business-services/general-tuition-fees.php>

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

Note: The Center of Higher Learning makes every attempt to accurately list tuition rates for our participating universities. It is advisable, however, to check with the University before submitting your final paperwork or payment.

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 important refund information.

Important Dates

January 18 th	Classes begin
January 25 th	Last day to drop full term classes without academic or financial penalty and receive 100% refund
May 8 th	Final exams begin