MNS 148, 348. Training Cruise(s).

May be repeated for credit when the topics vary. Offered on the letter-grade basis only.

**Topic 1: Training Cruise(s): Research in Biological Oceanography.** One or more cruises of one to several days each to collect physical, chemical, oceanographic, and biological data relevant to biological processes in the sea. Preparatory instruction and post-cruise sample processing and analysis. Offered on the letter-grade basis only. Prerequisite: Upper-division standing; consent of instructor; and the following coursework with a grade of at least C- in each: Biology 325, and Chemistry 302 or 302H.

**Topic 2: Marine Geology and Geophysics Field Course.** Marine Science 348 (Topic 2) is same as Geological Sciences 348K. Hands-on, team-based instruction in the collection and processing of marine geological and geophysical data along the Gulf of Mexico coast. Includes classroom, laboratory, and field components in Austin and at sea. Offered between the spring semester and the summer session; limited class meetings may begin in the spring semester. Geological Sciences 397F and Marine Science 348 (Topic 2) may not both be counted. Fulfills the field experience requirement for some geological sciences degree programs. Students should contact the Department of Geological Sciences before registering. Prerequisite: For geological sciences majors, Geological Sciences 420K or 320L with a grade of at least C-, and consent of instructor; Geological Sciences 416M and 465K are recommended; for others, Marine Science 307 and 354F with a grade of at least C- in each, and consent of instructor.