MASC 490 (3 credits):  
Scientific Diving and Underwater Experimental Design  
Maymester 2018
This class trains scuba divers how to design and execute underwater experiments during Maymester at UNC Chapel Hill’s Institute of Marine Sciences (IMS) in Morehead City, NC. The class provides the elements required for certification as a Scientific Diver with the American Academy of Underwater Sciences, including DAN First Aid for Professional Divers and PADI Rescue Diver. The course also includes PADI Advanced Open Water and PADI Nitrox certifications. Participants will receive training in designing and building underwater data collection tools, underwater navigation, underwater digital photography, coral reef restoration, and learning the basics of conducting underwater science, including statistical analysis of the data. The class includes open water dives on 12 days.

The class runs May 16-June 1, 2018. Students should plan to arrive the afternoon of May 15 and attend a pre-class meeting that evening at 5 pm. The course fee is $2,500, which includes accommodation and scuba gear rental. This fee is paid directly to IMS to cover course costs and is in addition to UNC Summer School tuition. A deposit of 50% of the course fee is required prior to registering and must be paid by April 16. The remainder is paid on arrival at IMS. Housing is provided at NC State University dorm facilities in Morehead City. Students are responsible for their meals, transportation to and from Morehead City, and incidental expenses. A personal vehicle is recommended. Students must bring snorkel gear (mask, fins, snorkel, wetsuit). Water temperatures in May typically range from 65-75 F.

Prior to taking the class, students must:
- Have completed PADI Open Water certification, or equivalent
- Pass a dive medical exam and have the UNC-IMS dive medical form signed by the physician who examined you (not a physician’s assistant). Dive medicals must be submitted by April 16.
- Be able to swim 400 yards in 12 mins, swim 25 m underwater without surfacing, tread water for 10 mins, and tow another person 25 m.
- Have DAN membership and dive accident insurance

If you would like to register for the class, please contact Johanna Rosman (jrosman@unc.edu) for information on steps that need to be completed prior to taking the class, class logistics, and permission to be enrolled. The deadline for contacting Dr. Rosman to obtain permission is March 30, 2018. In addition, visiting students (non-UNC-CH students) must apply through the UNC Summer School office (summer.unc.edu) before April 25 to be enrolled in the course.