

MARINE DESIGN (MARI)

MARI 335 Marine Design: Introduction and Hull Development (5 Credits)

This course focuses on introducing the students to the complete design process of multiple watercraft categories. Covering essential marine design development skills and fundamentals of naval architecture, hydrodynamics, hydrostatics, and structural integrity. Throughout an engaging hands-on learning experience developing a watercraft prototype, navigating through all the stages of the watercraft development process.

Prerequisite(s): (ELDS 205; SDES 205; ELDS 225 or IDUS 231); Liability waiver is required.

Attributes: Studio Elective Requirement

MARI 340 Marine Design: Developing the Next Watercraft Experience (5 Credits)

In this course, students consider complex issues and conflicting criteria when solving marine design problems. Students are expected to apply their project skills and technical knowledge to formulate design solutions that are visually appealing and functional.

Prerequisite(s): MARI 335; Liability waiver is required.

Attributes: Studio Elective Requirement

MARI 480 Marine Design Final Project (5 Credits)

This course is the culmination of the marine design minor. Students working on advanced designs for the marine industry demonstrate an understanding of naval architecture and engineering, an understanding of designing and building with composites, and a keen sense of aesthetics for a particular segment of the marine market. Projects vary by students but must meet the approval of the professor. Students may also undertake team projects or sponsored projects that meet the objectives of the course.

Prerequisite(s): MARI 340; Liability waiver is required.

Attributes: Studio Elective Requirement