

ENGG 3960W Robotics Special Project: MATE ROV Competition 2023

Spring & Summer 2022-2023 (4 credits: 3 credits in Spring & 1 credit in Summer)

Course Description:

The Marine Advanced Technology Education (MATE) Remotely Operated Vehicle (ROV) Competition is an international competition for young engineers. Student teams will design and manufacture the underwater robots for tackling different missions and challenges which are provided by the organizer. Normally, a project report is required. Enrollment in the project course may require instructor's approval. May be graded PP.

Course Requirements:

- Students have to submit peer- and self-evaluations during the course period.
- Each student/ group is required to submit a project proposal and the final report to the Project Supervisor(s).
- All students must attend the robotics competitions required.
- All students should commit to the agreed due dates and respect the time devotion for all interaction – punctuality and good preparation are expected.

Grading Scheme:

This is a 4-credit course (3 in spring and 1 in summer semester), graded by letter. Each student must complete all tasks on time and meet the course requirements. Also, the required tasks must be satisfied by the Project Supervisor(s).

Assessment weighting:

Final Report: 15% (compulsory)

Peer Evaluation: 25%

Mid-term robot design progress: 15%

Final robot design review: 25%

Supervisor and instructor Evaluation: 20%