ENGG 3961C Robotics Special Project: for RoboGames 2024 & SmartCar Challenge
Spring & Summer 2023-2024 (4 credits: 3 credits in Spring & 1 credit in Summer)

Course Description:

The RoboGames is an international competition for young engineers. Student teams will design and manufacture racing model car for tackling different missions and challenges which are provided by the organizer. SmartCar Challenge is a national competition held in late July to August. Student teams will design a programmable car and to completed with other school teams. 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 credits in the spring semester and 1 credit in the summer semester) graded by letter. Each student must complete all tasks on time and meet the course requirements, and performance will be assessed. Prototype deliverables and presentations are required. Additionally, each student is expected to have individual and group meetings with the course instructor and the teaching team.

Assessment weighting:

Robot design progress (presentations and prototype demonstrations): 40%
Final robot design (presentations and prototype demonstrations): 20%
Peer evaluations: 25%
Final self-reflection report and presentation: 15%