

The Hong Kong University of Science and Technology
UG Course Syllabus Template ([Simplified version uploading to SENG website](#))

Course Title: Robotics Special Project: RoboMasters 2026 Robot Contest

Course Code: ENGG3961J

No. of Credits: 4 (3 credits in Spring & 1 credit in Summer)

Any pre-/co-requisites: None

Name: Prof. Suk Wai Winnie LEUNG

Email: eeewswleung@ust.hk

Course Description

This course provides students with hands-on experience in robotics through participation in the RoboMasters 2026 Robot Contest. Students will work in teams to design, develop, and manufacture robots for competitive shooting confrontations. The course emphasizes project-based learning, strategic thinking, and the integration of theoretical knowledge with practical application. Students will engage in a series of workshops and competitions, culminating in the final tournament, where they will demonstrate their technical and teamwork skills.

Assessments:

Assessment Task	Contribution to Overall Course grade (%)
Development Log Submissions	10%
Team Group Project Review	35%
Overall Mentor Review	15%
Final Report	40%

Required Texts and Materials

- Course materials will be provided through the course platform.
- Access to robotics design and programming tools as required for project work.

[Optional] Additional Resources

- Online platforms for collaboration and project management (e.g., GitBook, Canvas).
- Library resources related to robotics, engineering design, and project management.