

# The Hong Kong University of Science and Technology

## UG Course Syllabus

### Computer Engineering Final Year Project in COMP

CPEG 4901

6 credits

#### Course Description

Each student of the Computer Engineering program is required to complete a final year project before graduation. The student is expected to conduct a project on a topic related to Computer Engineering and/or its application. The project is guided and conducted under the supervision of faculty members from the Department of Computer Science and Engineering. Credit load will be spread over the year. Instructor's approval is required for enrollment in the course. For CPEG students only.

Statement of Objectives/Outcomes:

1. Develop original solutions to computer science engineering problems of significant complexity.
2. Utilize prior knowledge, independent research, published information, and original ideas in addressing problems and generating solutions.
3. Critically evaluate different design concepts, and justify the final choice of design through engineering analysis.
4. Use software engineering tools to plan, design, implement, validate and maintain a project.
5. Prepare and deliver a well-structured written analysis of a project, as well as an oral presentation.
6. Establish relationships and implement practices with team members and advisors that will underpin a high level of performance and encourage continuous improvement.

#### Assessments:

Grading Items	Faculty Supervisor Weight (60%)	Reader Weight (40%)
Project Proposal Report	5%	5%
Individual Ethics Essay	5% (By Communication Tutor)	N/A
Project Progress Report	20%	15%
Final Project Report	35%	35%
Oral Presentation / Thesis Defense	30%	40%
Monthly Reports (October, November, December/January)	5%	N/A
Poster Session/Video trailer	NA	5%

#### Required Texts and Materials

No textbook