

SYE8008P: ENGD SEMINAR

New Syllabus Proposal

Effective Term

Semester A 2025/26

Part I Course Overview

Course Title

EngD Seminar

Subject Code

SYE - Systems Engineering

Course Number

8008P

Academic Unit

Systems Engineering (SYE)

College/School

College of Engineering (EG)

Course Duration

Non-standard Duration

Other Course Duration

Year 1 to 4 of the EngD candidature

Credit Units

0-3

Level

D8 - Professional Doctorate

Medium of Instruction

Other Languages

Other Languages for Medium of Instruction

Chinese, supplemented by English

Medium of Assessment

Other Languages

Other Languages for Medium of Assessment

Chinese, supplemented by English

Prerequisites

Nil

Precursors

Nil

Equivalent Courses

Nil

Exclusive Courses

Nil

Part II Course Details**Abstract**

The EngD Seminar provides

A cooperative learning environment in which students from different cohorts of the programme can mix, interact, challenge and support each other throughout their EngD candidature;

Formal periodic forums for the EngD students to:

Broaden their knowledge and expertise;

Present their research findings and share their learning experiences with their peers and academic staff;

Cultivate critical thinking and stimulate the generation of new ideas;

Help promote research culture among the EngD students; provide first-hand interaction with experienced engineering management professionals on contemporary issues.

Course Intended Learning Outcomes (CILOs)

CILOs		Weighting (if app.)	DEC-A1	DEC-A2	DEC-A3
1	Define the nature, aim, scope and significance of a selected engineering management topic clearly in explicit terms and develop it into an EngD thesis of adequate academic depth and vigour.	-	x	x	
2	Review the body of knowledge from literature to lay the necessary theoretical foundation relevant to the topic or theme of the EngD thesis.	-	x	x	
3	Apply such theory or knowledge to formulate and implement the research methodology for the EngD thesis	-	x	x	x
4	Participate in the periodic EngD Seminars in the course of their EngD candidature. Communicate the EngD thesis research process, interim results and experience scholarly and logically, using written, oral and visual media.	-	x	x	

A1: Attitude

Develop an attitude of discovery/innovation/creativity, as demonstrated by students possessing a strong sense of curiosity, asking questions actively, challenging assumptions or engaging in inquiry together with teachers.

A2: Ability

Develop the ability/skill needed to discover/innovate/create, as demonstrated by students possessing critical thinking skills to assess ideas, acquiring research skills, synthesizing knowledge across disciplines or applying academic knowledge to real-life problems.

A3: Accomplishments

Demonstrate accomplishment of discovery/innovation/creativity through producing /constructing creative works/new artefacts, effective solutions to real-life problems or new processes.

Learning and Teaching Activities (LTAs)

LTAs		Brief Description	CILO No.	Hours/week (if applicable)
1	Project Definition Collaboration	Each student shall define, under the supervision of an EngD thesis supervisor, the nature, aim, scope and importance of a project relevant to engineering management.	1	
2	Knowledge Research Task	Each student shall research and review the appropriate body of knowledge and background information needed to achieve the defined EngD thesis objective(s).	2	
3	Thesis Methodology Implementation & Analysis	Each student shall appraise and select the knowledge, theory or practice learned from the literature and develop the appropriate EngD thesis research methodology. Implement the research methodology to the chosen engineering management problem or project. Analyse the results obtained, draw conclusions and critically appraise the work done.	3	

4	EngD Seminar Participation & Reporting	Attend and participate in the periodic EngD Seminars. Document the research process, interim results and experience scholarly and logically in the form of EngD thesis annual report according to the given format. Present the EngD thesis research progress during the EngD Seminars in Year 1 - 4 of the EngD candidature.	4	
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Additional Information for LTAs

Students are required to attend periodic EngD Seminars in the course of their EngD candidature. EngD candidates are expected to learn and gain from these seminars during which they are encouraged to have scholarly discourse about methodology design, research technique and instrument, analysis strategies, and research progress or findings with their peers. These seminars are progress checkpoints as well as forums for sharing of research experience among EngD candidates. An important benefit of this 3 or 4-year long course is that it will help to reduce the feeling of isolation and loneliness that some students may have during their EngD research and thesis development.

A formal EngD Seminar will be organised annually. Normally, the Year 1 EngD students will attend the EngD Seminars scheduled at the end of Semester A of each year and all senior year EngD students in their thesis phase are expected to present their progress and findings.

Other research seminars and talks by guest speakers, will also be arranged throughout the programme. In addition, EngD students are encouraged to attend as many as they can other seminars organized on a regular basis by different academic units of CityU. This will provide students with opportunities for first-hand discussions and interaction with experienced professionals and academics on wide ranging contemporary issues and topics.

Assessment Tasks / Activities (ATs)

	ATs	CILO No.	Weighting (%)	Remarks ("- " for nil entry)	Allow Use of GenAI?
1	Coursework	1, 2, 3, 4	100	-	No

Continuous Assessment (%)

100

Minimum Continuous Assessment Passing Requirement (%)

30

Assessment Rubrics (AR)

Assessment Task

Coursework(for students admitted in Semester A 2025/26 & thereafter)

Criterion

Criterion of Coursework: Score based on active participation in scholarly peer discourse. Assess meaningful contributions to discussions on methodology design, research techniques/instruments, analysis strategies, and sharing/clarity of research progress or findings. Evaluate engagement depth, critical thinking, and ability to provide/receive constructive peer feedback.

Pass (P)

(A+, A, A-, B+, B, B-, C+, C, C-, D)

Failure (F)

(F)

Additional Information for AR

Applicable to students admitted in Semester A 2025/26 & thereafter

100% Coursework. Pass or Fail

Part III Other Information

Keyword Syllabus

Doctoral thesis, research methodology, research progress, workshop and seminar attendance and presentation

Reading List

Compulsory Readings

Title	
1	Rowena Murray, How to Write a Thesis, Open U Press, 2002
2	David Madsen, Successful Dissertations and Thesis, Jossey-Bass, 1992
3	Wayne C Booth et al, The Craft of Research, Publ. Chicago U Press, 1995

Additional Readings

Title	
1	Nil