

SYE6044: CHINA ENGINEERING ENTERPRISE MANAGEMENT

Effective Term

Semester A 2025/26

Part I Course Overview

Course Title

China Engineering Enterprise Management

Subject Code

SYE - Systems Engineering

Course Number

6044

Academic Unit

Systems Engineering (SYE)

College/School

College of Engineering (EG)

Course Duration

One Semester

Credit Units

3

Level

P5, P6 - Postgraduate Degree

Medium of Instruction

English

Medium of Assessment

English

Prerequisites

Nil

Precursors

Nil

Equivalent Courses

SEEM6044 China Engineering Enterprise Management (offered until 2021/22) / ADSE6044 China Engineering Enterprise Management (offered until 2023/24)

Exclusive Courses

Nil

Part II Course Details

Abstract

This course aims to equip students with management skills and know-how appropriate for managing engineering or manufacturing enterprises in China. Learning activities are designed in ways which enable students to understand the market and operating environments in China (i.e., firm level, industry level, local market level and global market level) and develop management skills suitable for such an environment.

Course Intended Learning Outcomes (CILOs)

CILOs		Weighting (if app.)	DEC-A1	DEC-A2	DEC-A3
1	Identify the environmental forces affecting engineering or manufacturing companies operating in China.	10			
2	Compare and contrast China's motivations for promoting inward direct investments and (more recently) outward direct investments.	10	x		
3	Differentiate China's various technology acquisition strategies and appraise China's indigenous technology development efforts.	20	x	x	
4	Recognise the limitations of China's intellectual property protection regime and formulate alternative plans to safeguard a company's intellectual assets.	20	x	x	
5	Design and implement strategic management control systems suitable for Chinese engineering or manufacturing enterprises.	20		x	
6	Develop company-specific strategic plans.	20		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	Large Class activities: lectures	Topics given in keyword syllabus	1, 2, 3, 4	26 hours/sem
2	Small Class/ group-based learning activities	Case studies; individual assignments; group projects	1, 2, 3, 4, 5, 6	13 hours/sem (in-class) 39 hours/sem (ex-class)

Assessment Tasks / Activities (ATs)

	ATs	CILO No.	Weighting (%)	Remarks ("- " for nil entry)	Allow Use of GenAI?
1	Group Work	1, 2, 3, 4, 5, 6	40	Group	No
2	Quizzes & Assignments	2, 3, 4	40	Individual	No
3	Case studies	3, 4, 5, 6	20	Group	No

Continuous Assessment (%)

100

Examination (%)

0

Minimum Continuous Assessment Passing Requirement (%)

30

Minimum Examination Passing Requirement (%)

0

Assessment Rubrics (AR)**Assessment Task**

Group Work (for students admitted before Semester A 2022/23 and in Semester A 2024/25 & thereafter)

Criterion

Group mini projects/ assignments

Excellent

(A+, A, A-) High

Good

(B+, B, B-) Significant

Fair

(C+, C, C-) Moderate

Marginal

(D) Basic

Failure

(F) Not even reaching marginal levels

Assessment Task

Quizzes & Assignments (for students admitted before Semester A 2022/23 and in Semester A 2024/25 & thereafter)

Criterion

Topical questions/ written assignments

Excellent

(A+, A, A-) High

Good

(B+, B, B-) Significant

Fair

(C+, C, C-) Moderate

Marginal

(D) Basic

Failure

(F) Not even reaching marginal levels

Assessment Task

Case studies (for students admitted before Semester A 2022/23 and in Semester A 2024/25 & thereafter)

Criterion

Write-up and presentation

Excellent

(A+, A, A-) High

Good

(B+, B, B-) Significant

Fair

(C+, C, C-) Moderate

Marginal

(D) Basic

Failure

(F) Not even reaching marginal levels

Assessment Task

Group Work (for students admitted from Semester A 2022/23 to Summer Term 2024)

Criterion

Group mini projects/ assignments

Excellent

(A+, A, A-) High

Good

(B+, B) Significant

Marginal

(B-, C+, C) Moderate/Basic

Failure

(F) Not even reaching marginal levels

Assessment Task

Quizzes & Assignments (for students admitted from Semester A 2022/23 to Summer Term 2024)

Criterion

Topical questions/ written assignments

Excellent

(A+, A, A-) High

Good

(B+, B) Significant

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Assessment Task

Case studies (for students admitted from Semester A 2022/23 to Summer Term 2024)

Criterion

Write-up and presentation

Excellent

(A+, A, A-) High

Good

(B+, B) Significant

Marginal

(B-, C+, C) Moderate/Basic

Failure

(F) Not even reaching marginal levels

Additional Information for AR

There will be no final examination in this course. A process of continuous assessment - made up of individual and team tasks - will be used to monitor and evaluate each student's learning outcome. Quizzes will be held throughout the semester to encourage students to review newly acquired knowledge regularly; keeping up with the class's learning progress will enable them to maximise their individual contributions in team-based projects.

This is a Continuing Education Fund (CEF) Approved Course, to be eligible for reimbursement; students must achieve the following criteria: a minimum attendance rate of 70% (Students should sign on the attendance record for every lesson) and Grade C+ or above of the reimbursable course.

Part III Other Information

Keyword Syllabus

- The economic and industrial developments of China since economic reforms
- Analytical tools vital for Chinese manufacturing / engineering enterprises: industry analysis, product life cycle theory, value chain analysis
- Foreign direct investments in China; modes of investments; regulations; managing Sino-foreign joint ventures
- Technology acquisition and indigenous technology development

- Intellectual property protection in China
- China and the regional economy; China and the global economy; China and the World Trade Organization
- Strategic management control systems

Reading List

Compulsory Readings

Title	
1	There are no textbooks for this course. Reading assignments include articles published in international academic journals, trade journals and newspapers; the reading list for each topic will be announced at the beginning of the semester.

Additional Readings

Title	
1	NIL