IEDA 2410 – Introduction to Modern Logistics

School:	**School of Engineering**
Subject Area:	**Industrial Engineering and Decision Analytics**
Course Credit:	**3**
Instructor:	**QI Xiangtong**
Pre-requisite/co-requisite:	**Nil**

Notes:

- The syllabi provided here is for reference only and may be subject to changes and adjustments as determined by the course instructors.

IEDA 2410 Introduction to Modern Logistics

Summer 2026

Instructor: Professor Xiangtong Qi

              Email: ieemqi@ust.hk, Office: 5594 (Lift 27/28)

TA: TBD

Website: canvas.ust.hk

Meeting time: Every Mon, Wed, and Friday, July 13 to 7 August

              9:00am – 12:50pm

Material: (main material): Lecture Notes at Canvas

              (for reference): *Introduction to Logistics Systems Management,* 2nd Edition, G. Ghiani, G. Laporte, and R. Musmanno, 2013, Wiley.

Description: Introduction to the operations of common transportation modes, including road, water, and air transportation, as well as their roles in logistics. Learning the organization of modern logistics such as thirdparty and fourth-party logistics, international logistics, logistics coordination, and supply chain management. Discussion of characteristics, issues, and practices of the above topics.

Intended Learning Outcomes:

1. Name the key players and organizations in the freight logistics industry

2. Explain the roles of these players and their interrelationships

3. Describe the major operating structures and the associated costs of different freight transportation modes

4. Identify the key challenges and opportunities in the logistics industry

5. Communicate your ideas effectively through discussions, presentations and written documents

Assessment: Project 30%, Class Participation 10%, Quizzes 20%+20%+20%

Project: Details to be announced.

Participation including attendance and activity in classroom

Quiz: open book

AI Policy:

Using Generative AI is to be used in the Project.

Tentative Schedule

	Date	Lecture	Tutorial
Week 1	13 July	Overview of Logistics	-
	15 July	Air Transportation	T1
	17 July	Optimization of Transportation I	T2
Week 2	20 July	Optimization of Transportation II	Quiz 1
	22 July	Global Maritime Logistics I	T3
	24 July	Global Maritime Logistics II	T4
Week 3	27 July	Warehouse Management	T5
	29 July	Traffic Analysis	Quiz 2
	31 July	Business Models	T6
Week 4	3 August	Supply Chain Management	T7
	5 August	Logistics Practice (Guest Professor)	-
	7 August	Quiz 3 and Project Evaluation	-