

Course Syllabus
EGLS 502 Transportation and Distribution Network
Semester 1 Academic Year 2018

Course ID and name: EGLS 502 Transportation and Distribution Network

Course coordinator: Dr.Detcharat Sumrit

Instructors: Academic Staffs

Credits: 3(3-0-6)

Curriculum: Master of Engineering Program in Logistics and Supply Chain (Special Program)

Semester offering: First semester

Prerequisite: None

Course Description:

Transportation and distribution network design and management; Transportation selection framework; Multimodal transportation; Distribution requirement planning; Quality and safety in transportation; Cold chain; Transportation cost analysis and control; Reverse logistics; Ethics in transportation and distribution; Performance measurement; Information and technology; Interesting topics and case study in transportation and distribution

Course Learning Outcomes (CLOs)

At the end of the course, the students will be able to

1. create academic work with integrity in Transportation and Distribution Network.
2. efficiently apply Transportation and Distribution Network principles of inventory, warehouse, and transportation and distribution management
3. apply knowledge of Transportation and Distribution Network in industry and service improvement
4. systemically analyze problems and propose solutions in Transportation and Distribution Network via research methodology
5. work as a team with other disciplines related to Transportation and Distribution Network.
6. communicate and select suitable method for presentation in Transportation and Distribution Network.

Constructive Alignment of CLO s and Program s ELO s

CLOs	ELO 1	ELO 2	ELO 3	ELO 4	ELO 5	ELO 6
1	I, R					
2		I, R				
3			I, R			
4				I, R		
5					I, M	
6						I, P

I =ELO is introduced & assessed

R =ELO is reinforced & assessed

P = ELO is practiced & assessed

M = Level of Mastery is assessed

Course Schedule:

No.	Topic	Teaching & Learning Strategy	Assessment	Instructor
1	Transportation: Critical Link in the Supply Chain	Lecture, Case Study, Discussion	Q&A, feedback	Dr.Detcharat Sumrit
2	Physical Distribution Management and Strategy	Lecture, Case Study, Discussion	Q&A, feedback	Dr.Detcharat Sumrit
3	Meritime Transportation	Lecture, Case Study, Discussion	Q&A, feedback	Dr.Detcharat Sumrit
4	Air transportation	Lecture, Case Study, Discussion	Q&A, feedback	Dr.Detcharat Sumrit

5	Road freight transport	Lecture, Case Study, Discussion	Q&A, feedback	Dr.Detcharat Sumrit
6	Rail Transportation	Lecture, Case Study, Discussion	Q&A, feedback	Dr.Detcharat Sumrit
7	Transportation and Fleet Management	Lecture, Case Study, Discussion	Q&A, feedback	Dr.Detcharat Sumrit
8	Intermodal Transportation	Lecture, Case Study, Discussion	Q&A, feedback	Dr.Detcharat Sumrit
9	Distribution Channel and Logistics Management	Lecture, Case Study, Discussion	Q&A, feedback	Dr.Detcharat Sumrit
10	Transportation Technology	Lecture, Case Study, Discussion	Q&A, feedback	Dr.Detcharat Sumrit
11	Transportation Risk Management	Lecture, Case Study, Discussion	Q&A, feedback	Dr.Detcharat Sumrit
12	Global Transportation Perspective	Lecture, Case Study, Discussion	Q&A, feedback	Dr.Detcharat Sumrit
13	Research on Transportation Case Study	Lecture, Case Study, Discussion	Q&A, feedback	Dr.Detcharat Sumrit
14	Assignment Presentation I	Lecture, Case Study, Discussion	Q&A, feedback	Dr.Detcharat Sumrit
15	Assignment Presentation II	Lecture, Case Study, Discussion	Q&A, feedback	Dr.Detcharat Sumrit

Assessment Criteria

Class participation	10%
Individual work	20%
Group work	20%
Final examination	50%

Appeal Procedure

Should the students have any appeal regarding the assessments or grade, inquiry can be made to the instructors and/or the course coordinator immediately either by direct contact, telephone or email.

Study Material

Alan Harisson & Remko Van Hoek. (4th ed.) (2011), "Logistics Management and Strategy: Competing Through the Supply Chain", FT Press.

John J. Coyle., Robert A. Novack., Brian, J. Gibson, and Edward J. Bardi. (7th ed.) (2011), Transportation. A Supply Chain Perspective, OH: South-Western Cengage Learning.