Mahidol University International College

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GLOBAL SUPPLY CHAIN & LOGISTIC MANAGEMENT

COURSE DESCRIPTION

The course provides an overview of supply chain and logistics management and its role in the global economy. The essential supply chain-related core competencies are covered. This includes procurement and global sourcing, distribution network design, outsourcing and the role of 3PL & 4PL. The course further discusses on trends and challenges of e-logistics in managing business operations. Moreover, issues of sustainability and risk assessment will also be addressed.

COURSE LEARNING OUTCOMES

After a successful completion of this course, students will be able to:

- Identify the important LSC activities from both upstream and downstream perspective
- Explain the role of LSCM within the international business environment
- Analyze the LSC opportunities, challenges, future trend and the impacts on business performance
- Formulate the LSC plan to solve the contemporary business issues

CLASS TOPICS

- Introduction and & Overview of Supply Chain and Logistics Management
- Procurement and Global Sourcing
- Distribution Operation and Network Design"
- Intelligent Transportation System
- e-Logistics, Digital Disruption in Freight and Logistics
- Company Visit (1)/Company Visit (2)
- Outsourcing (3PLs, 4PLs & 5PLs), Risk management and Sustainability

TEACHING METHODS

- Interactive lecture
- Class discussions
- Case studies
- Student presentation
- Company visits

TEACHING MEDIA

- Presentations slides
- Case studies
- Video clips and other Multimedia resources

MEASUREMENT AND EVALUATION OF STUDENT ACHIEVEMENT

- In-class activities
- Quizzes
- Case discussion
- Final project presentation
- Class attendance at 80% of total hours to receive final grade

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icia@mahidol.ac.th

Course Syllabus

1. **Program of Study**   Business Administration Program
   Faculty/Institute/College   Mahidol University International College

2. **Course Code**   ICMI 454
   Course Title   Global Supply Chain and Logistics Management

3. **Number of Credits**   4 (4-0-8) (Lecture-Lab-Study)

4. **Prerequisite**   None

5. **Trimester/Academic Year**   All Trimesters

6. **Course Description**

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7. **Course Objectives**

   The course aims to establish an understanding of supply chain and logistics management. It is designed to provide a foundation on how to design and manage global logistics. The students will be able to identify the essential supply chain competencies and illustrate on their impacts on the company's competitiveness on a global scale (using global case studies). It also allows the analysis of the information technologies on global logistics networks and services.   Further, the logistics and supply chain solutions can be synthesized to overcome the potential issues.

8. **Teaching Methods**
   Interactive lecture, Class discussions, Case studies, Student presentation, Company visits

9. **Teaching Media**
   Power Point slides, Video clips, Case studies

10. Measurement and Evaluation of Student Achievement

Assessment	Weight	Description
Participation	15%	e-Learning
In-class activities	15%	Group exercises
Quizzes	20%	Tests
Case studies	15%	Case discussion
Final presentation	35%	Team Project
Total	100%	

Attendance:
Students are required to attend at least 80% of the total hours of the course or otherwise the final grade will not be released.

Participation:
Participation score is based on student's discussion and answers to each lecture topic accordingly. The participation will be checked throughout the course.

11. Course Evaluation

Grade	Marks
A	90 – 100
B+	85 – 89
B	80 – 84
C+	75 – 79
C	70 – 74
D+	65 – 69
D	60 – 64
F	Below 60

12. Course Outline

Class	Topics	Hours	Method
1	"Introduction and & Overview of Supply Chain and Logistics Management"	6	Lecture, Case discussion, Class activity
2	"Procurement and Global Sourcing"	6	Lecture, Case discussion, Class activity
3	"Distribution Operation and Network Design"	6	Lecture, Case discussion, Class activity
4	"Intelligent Transportation System"	6	Lecture, Case discussion, Class activity
5	"e-Logistics, Digital Disruption in Freight and Logistics"	6	Lecture, Case discussion, Class activity
6	Company Visit (1)	6	Field Trip
7	Company Visit (2)	6	Field Trip
8	Outsourcing (3PLs, 4PLs & 5PLs), Risk management and Sustainability - Final Presentation	6	Lecture, Case discussion, Class activity

*Note: The information above is provided as a guide and is not binding in any form. Course schedule is subjected to change without prior notice.

13. Course Coordinator   Dr. Ploy Sud-on
E-mail: ploy.sud@mahidol.edu
Business Administration Division
(Logistics & Supply Chain Management)

14. Assessment Submission Rules
All assessment tasks should be submitted by the due date. Assessments should be submitted electronically on turn-it-in system unless advised otherwise. All the team member must also complete and sign off a cover sheet with your softcopy and hardcopy assessment submission

15. Penalty for Late Submission of Assessments
Assignments that are submitted later than the due time and date will be automatically penalized 10% of the possible mark, per day. Assignments submitted later than seven (7) days of the due date (weekend days included) will not be accepted and no mark will be given.

16. Use of Turn-in-it

All written work will be submitted to the Turnitin text-matching software licensed by Mahidol University. The software Turnitin (see www.turnitin.com), will be used on assessments in your program.

17. Academic Misconduct

Examples of plagiarism include:
- Copying sentences or paragraphs word-for-word from one or more sources, whether published or unpublished, which could include but is not limited to books, journals, reports, theses, websites, conference papers, course notes, etc. without proper citation; Closely paraphrasing sentences, paragraphs, ideas or themes without proper citation; Piecing together text from one or more sources and adding only linking sentences;
- Copying or submitting whole or parts of computer files without acknowledging their source;
- Copying designs or works of art and submitting them as your original work;
- Copying a whole or any part of another student's work; and
- Submitting work as your own that someone else has done for you.