

Course Syllabus
EGLS 508 Hospital Supply Chain and Logistics Management
Semester 1 Academic Year 2018

Course ID and name: EGLS 508 Hospital Supply Chain and Logistics Management

Course coordinator: Assoc.Prof. Dr. Duangpun Kritchanchai

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:

Hospital supply chain and logistics management; Operations management in hospital. Inventory and warehouse management in hospital; Transportation and distribution in hospital; Business process analysis; Hospital process mapping and analysis; Lean and total quality management concepts in hospital; Change management; Project management

Course Learning Outcomes (CLOs)

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

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

Constructive Alignment of CLOs and Program's ELOs

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	-Introduction to supply chain -Beer game	Lecture, Case Study, Discussion	Q&A, feedback	Assoc.Prof. Dr. Duangpun Kritchanchai
2	Healthcare supply chain	Lecture, Case Study, Discussion	Q&A, feedback	Assoc.Prof. Dr. Duangpun Kritchanchai
3	Operation Management 1	Lecture, Case Study, Discussion	Q&A, feedback	Assoc.Prof. Dr. Duangpun Kritchanchai
4	Operation Management 2	Lecture, Case Study, Discussion	Q&A, feedback	Assoc.Prof. Dr. Duangpun Kritchanchai
5	Warehouse in Healthcare Supply Chain I	Lecture, Case Study, Discussion	Q&A, feedback	Assoc.Prof. Dr. Duangpun Kritchanchai

6	Warehouse in Healthcare Supply Chain II	Lecture, Case Study, Discussion	Q&A, feedback	Assoc.Prof. Dr. Duangpun Kritchanchai
7	Transportation in Healthcare Supply Chain I	Lecture, Case Study, Discussion	Q&A, feedback	Assoc.Prof. Dr. Duangpun Kritchanchai
8	Transportation in Healthcare Supply Chain II	Lecture, Case Study, Discussion	Q&A, feedback	Assoc.Prof. Dr. Duangpun Kritchanchai
9	Healthcare Supply Chain : Macro view	Lecture, Case Study, Discussion	Q&A, feedback	Assoc.Prof. Dr. Duangpun Kritchanchai
10	Case studies	Lecture, Case Study, Discussion	Q&A, feedback	Assoc.Prof. Dr. Duangpun Kritchanchai
11	Hospital system I	Lecture, Case Study, Discussion	Q&A, feedback	Assoc.Prof. Dr. Duangpun Kritchanchai
12	Hospital system II	Lecture, Case Study, Discussion	Q&A, feedback	Assoc.Prof. Dr. Duangpun Kritchanchai
13	Information management in hospital I	Lecture, Case Study, Discussion	Q&A, feedback	Assoc.Prof. Dr. Duangpun Kritchanchai
14	Information management in hospital II	Lecture, Case Study, Discussion	Q&A, feedback	Assoc.Prof. Dr. Duangpun Kritchanchai
15	Presentation	Lecture, Case Study, Discussion	Q&A, feedback	Assoc.Prof. Dr. Duangpun Kritchanchai

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

ภาษาไทย

ดวงพรพรณ กริรัชชาญชัย. Research in Thailand healthcare logistics and supply chain. นนทบุรี : โรงพิมพ์มารีอาร์ ;

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ดวงพรพรณ กริรัชชาญชัย. Healthcare logistics and supply chain management. นนทบุรี : โรงพิมพ์มารีอาร์ ; ๒๕๕๖.

ภาษาอังกฤษ

Myerson P. Lean supply chain and logistics management. United States of America ; .2012

Scneller ES, Smeltzer LR. Strategic management of the health care supply chain. United States of America ; .2006

Vissers J , Beech R. Health operations management patient flow logistics in health care. New York : The Taylor & Francis Group ; .2005