HCMC UNIVERSITY OF TECHNOLOGY AND EDUCATION

AUTOMATION AND CONTROL ENGINEERING TECHNOLOGY

Faculty of Electrical and Electronic Engineering

Department of Automatic Control

Undergraduate Program

SYLLABUS

1. Course name: INDUSTRY MANAGEMENT Course code: IDMA322245

2. **Credits:** 2 (2/0/4)

Duration: 15 weeks (30h main course and 60h self-study)

3. Instructors:

1/ M.Eng. Luu Van Quang2/ PhD. Nguyen Phan Thanh

4. Course conditions

Prerequisites: Project Management

Corequisites: N/A

5. Course Description

Industry management towards business management provides students the knowledge about enterprises, how to manage and do business with them for potential managers. The students are equipped a technical platform in order to integrate fast in starting a business as well as in managing enterprises for future. They are helped to reach good vision capable of improving their income, that is, the ability to get rich, after leaving school.

6. Course Goals

(Industrial management towards business management)

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Goals	Goal description	ELOs
	(This course provides students:)	
G1	The ability to apply mathematics, information technology into management and business.	1.1, 1.2, 2.3
	Skills to analyze, select and manage possible options in all technical aspects.	
G2	The ability to analyze and make arguments about technical issues.	3.1, 3.2, 2.5
	The ability to reach comprehensive and systematic thinking about business management. Skills to manage time, master business knowledge so that students can contribute more effectively for the economic growth of enterprise where they serve in future. The pieces of knowledge concerning management and business may help students to plan their own future career.	
G3	Skills in teamwork. Skill to communicate effectively using texts, graphics, and presentations. Reading comprehension skills in English materials.	3.1, 3.2, 3.3
G4	The ability to master knowledge about the types of business in order to response their requirements as much as possible. The ability to master the functions of managers. The ability to plan management activities in enterprises.	1.3

7. Course Learning Outcomes (CLOs)

CLOs	Description (After completing this course, students can have:)	Outcome
G.1	Time and schedule management.	1.1, 1.2,
G.2	Analyze and make decisions to select possible options.	3.1, 3.2, 2.5
G.3.1	Skills in teamwork to discuss and deal with relevant issues.	3.1, 3.2
G.3.2	Reading comprehension skills in English terms or concepts.	3.3
G.4.1	Work as manager in enterprise.	1.3
G.4.2	Set up, plan and manage marketing activities.	1.3

8. Study materials

- Textbooks:

1. ThS. Lưu Văn Quang; Giáo trình "Quản lý công nghiệp"; ĐH SPKT Tp HCM, 2016.

- References:

- 1. Đồng Thị Thanh Phương; Quản trị doanh nghiệp; NXB Thống kê, 2014.
- 2. Hoàng Minh Thái; Nguyễn Hương Lan; Kinh tế doanh nghiệp; NXB Thế giới- Hà Nội , 2013.
- 3. Nguyễn Xuân Thủy, Đồng Thị Thanh Phương; *Kỹ thuật ra quyết định quản trị*; NXB Thống kê, 2015.
- 4. Nguyễn Thanh Liêm; *Quản trị sản xuất*; NXB Tài chính, 2012.
- 5. Xavier RICHER; Economie de l'entreprise, 4e Edition; McGraw Hill 2015.
- 6. Louis E. Boone; David L.Kurtz; *Contemporary marketing*; Thomson south-western 2015.
- 7. Kneale T. Marshall; Robert M. Olivier; *Decision making and forecasting*; McGraw Hill 2015
- 8. Claude DEMEURE; Vente, Action commercial; Editions Dalloz, 2012

9. Student Assessments

- Grading points: 10
- Planning for students assessment is followed:

Type	Contents	Linetime	Assessment techniques	CLOs	Rates (%)
	Midterm Ex	kam			
Exam01	The situations in management	Week 5	Given situations		0
Exam02	 3 problems to make decisions Mathematics models to solve problems to make decisions	Week 9	Assignments		15
Exam03	- PERT	Week 12	Assignments		15

	- CPM					
	- GANTT					
Exam04	Requirements:	week 15	Presentation		30	
	- Following chapters 6, 7, 8					
	Final Exam					
	Requirements: - Following chapters 1, 8	Week from 17 to 19	Essay		40	

10. Course details:

Weeks	Contents	CLOs
	Chapter 1: GENERAL CONCEPTS ON MANAGEMENT	
	A/ Contents and teaching methods: (2)	
	Contents:	
	1. Management	
1	Teaching methods:	
	+ Theoretical lectures	
	+ Presentation	
	B/ Self-study contents: (4) + Search on Internet successful managers.	
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	Chapter 1: GENERAL CONCEPTS ON MANAGEMENT	
	(Cont'd)	
	A/ Contents and teaching methods: (2) Contents:	
	2. Business	
	2.1. Concept	
	2.2. Enterprise	
2	Teaching methods:	
	+ Theoretical lectures	
	+ Presentation	
	+ Group discussion	
	B/ Self-study contents: (4)	
	+ Search on Internet unsuccessful managers	
	Chapter 1: GENERAL CONCEPTS ON MANAGEMENT (Cont'd)	
	A/ Contents and teaching methods: (2)	
_	Contents:	
3	2. Business	
	2.2. Enterprise	
	2.3. Industrial management	
	Teaching methods:	

	+ Theoretical lectures	
	+ Presentation	
	+ Group discussion	
	B/ Self-study contents: (4)	
	+ Search on Internet successful managers.	
	Chapter 1: GENERAL CONCEPTS ON MANAGEMENT (Cont'd)	
	A/ Contents and teaching methods: (3)	
	Contents:	
	3. Management functions_ Managers	
	3.1. Management functions	
	Teaching methods:	
	+ Theoretical lectures	
	+ Presentation	
4	+ Discussion : Analyze why the managers become successful.	
	B/ Self-study contents: (4)	
	+ See CEO, Asian Managing programs on TV channel FBNC	
	Chapter 1: GENERAL CONCEPTS ON MANAGEMENT (Cont'd)	
	A/ Contents and teaching methods: (2)	
	Contents:	
	3. Management functions_ Managers	
	3.2. Managers	
5	Teaching methods:	
	+ Theoretical lectures	
	+ Presentation	
	+ Group discussion	
	B/ Self-study contents: (4)	
	+ See CEO, Asian Managing programs on TV channel FBNC	
	Chapter 2: THEORY TO MAKE DECISIONS	
	A/C 4 4 4 4 1 4 1 4 4 1 4 4 4 4 4 4 4 4 4	
	A/ Contents and teaching methods: (2)	
	Contents:	
6	1. Overview on theory to make decisions	
	2. The steps in theory to make decisions	
	Teaching methods:	
	+ Theoretical lectures	
	+ Presentation	
	+ Group discussion	

	B/ Self-study contents: (4)	
	+ Review	
	Chapter 2: THEORY TO MAKE DECISIONS (Cont'd)	
	A/ Contents and teaching methods: (2)	
	Contents:	
	3. Environments for making-decisions	
	4. Mathematics models to solve making-decisions problems	
7	Teaching methods:	
	+ Theoretical lectures	
	+ Presentation	
	+ Group discussion	
	B/ Self-study contents: (4)+ Do homework assignments in textbook	
	+ Do nomework assignments in textbook	
	Chapter 2: THEORY TO MAKE DECISIONS (Cont'd)	
	A/ Contents and teaching methods: (2)	
	Contents:	
	5. Marginal Analysis	
	6. Decision tree	
	7. Benefit theory	
8	8. Making-decisions depending on many factors	
0	The shirt a small a dec	
	Teaching methods:	
	+ Theoretical lectures	
	+ Presentation	
	+ Group discussion	
	B/ Self-study contents: (4)	
	+ Do homework assignments in textbook	
	Chapter 3: TIME AND SCHEDULE MANAGEMENT	
	A/ Contents and teaching methods: (2)	
	Contents:	
9	 Job network Program Evaluation and Review Technique PERT 	
	Teaching methods:	
	+ Theoretical lectures	
	+ Presentation	
	+ Group discussion	

	B/ Self-study contents: (4)	
	+ Do homework assignments in textbook	
	Chapter 3: TIME AND SCHEDULE MANAGEMENT (Cont'd)	
10	A/ Contents and teaching methods: (3) Contents: 3. Critical Path Method CPM Teaching methods:	
10	+ Theoretical lectures + Presentation + Group discussion	
	B/ Self-study contents: (4)+ Do homework assignments in textbook	
	Chapter 3: TIME AND SCHEDULE MANAGEMENT (Cont'd)	
11	A/ Contents and teaching methods: (2) Contents: 4. Chart method GANTT and diagonal chart Teaching methods:	
	+ Theoretical lectures + Presentation + Group discussion	
	B/ Self-study contents: (4)	
	+ Do homework assignments in textbook	
	Chapter 4: BASIC MARKETING A/ Contents and teaching methods: (2)	
	Contents: 1. Outline about marketing 2. Marketing mix	
12	3. The fields to apply marketing Teaching methods:	
	+ Theoretical lectures + Presentation + Group discussion	
	<i>B</i> /Self-study contents: (4) + Read and prepare for Chapters 6, 7, 8, 9 (according to student groups' choice)	

	Chapter 5: PRICE	
	A/ Contents and teaching methods: (2)	
	Contents:	
	1. Enterprise and price	
	2. The method to determine price	
13	Teaching methods:	
	+ Theoretical lectures	
	+ Presentation	
	+ Group discussion	
	B/ Self-study contents: (4)	
	+ Read and prepare for Chapters 6, 7, 8, 9 (according to student groups'	
	choice)	
	Chapter 5: PRICE (Cont'd) A/ Contents and teaching methods: (2)	
	Contents:	
	3. Strategies on price về giá	
	4. Solutions for applicable problems	
14	Teaching methods:	
	+ Theoretical lectures	
	+ Presentation	
	+ + Group discussion	
	B/ Self-study contents: (4)	
	+ Read and prepare for Chapters 6, 7, 8, 9 (according to student groups'	
	choice)	
	Chapter 6: PRODUCT Chapter 7: PLACE	
	Chapter 8: PROMOTION	
	A/ Self-study contents: (2)	
	Contents:	
	1. Product	
	2. Place	
15	3. Promotion	
13	Review	
	Teaching methods:	
	+ Theoretical lectures	
	+ Presentation	
	+ Group discussion	
	B/ Self-study contents: (4)	
	+ Review under lecturer's guide	
	B/ Self-study contents: (4)	

11. Learning ethics:

- Home assignments and projects must be done by the students themselves. Plagiarism found in the assessments will get zero point

12. First approved date:13. Approval level:				
Dean	Department		Instructor	
Assoc. Prof. PhD. Nguyen Minh Tam	Assoc. Prof. PhD. Truong Dinh Nhon	M.Eng. Luu Van Quang		
14. Syllabus updated process				
1 st time: Updated content dated			Instructors	
			Head of department:	