

Phụ lục 4
ĐỀ CƯƠNG MÔN HỌC

HO CHI MINH CITY OPEN UNIVERSITY
FACULTY OF CIVIL ENGINEERING

SYLLABUS

I. General Information

1. Course title in Vietnamese: Quản lý dự án xây dựng ((CENG5304)

2. Course title: Project Management in Construction

3. Knowledge/Skill block:

- General Knowledge Specialized Knowledge
 Fundamental knowledge Supplementary Knowledge
 Course project / Graduation project

4. Number of Credits

Total	Theory	Practice	Self-study
3 (3,0,6)	3	0	6

5. Teaching Institution

a. Faculty Faculty: Department of Project Management, Faculty of Civil Engineering

b. Lecturer(s): 1. Phong Thanh Nguyen, Ph.D.; Masters 2. Phuong Thanh Phan 3. Khoa Dang Vo; 4. Quan Khac Nguyen;

c. Email: phong.nt@ou.edu.vn, phuong.pthanh@ou.edu.vn, khoa.vd@ou.edu.vn, quan.nk@ou.edu.vn

d. Work place: Room.705, Department of Project Management, Faculty of Civil Engineering, Ho Chi Minh City Open University; Address: 35-37 Ho Hao Hon St, Co Giang Ward, District 1, Ho Chi Minh City, Vietnam

e. **Course Information**

6. Course Description

This course provides students the principles, methods, and techniques in the planning, organizing, leading and monitoring a construction project from the preparation phase until the project.

7. Course Conditions

No.	Conditional Course(s)	Course Code
1.	Pre-requisites subject	
	No request	
2.	Prior-subject	
	No request	
3.	Parallel subject	
	No request	

8. Course objectives

After finishing the course, students should be able to:

Course Objectives	Description	Program learning Outcomes (PLOs) be fit for to the course
CO	<i>Knowledge:</i> The objective of the course is to expose learners to both the theoretical principles and the practical applications in planning, organization, leading and monitoring a construction project.	PL06
CO	<i>Skill:</i> The ability to apply project management skills and techniques in construction engineering and management projects.	PLO12, PLO13
CO	<i>Attitude:</i> Students will take the responsibility to solve given assignments on their own and submit the solution on time. Students learn to manage their time between self-study, solving assignments.	PLO14, PLO16

9. Course Learning Outcomes (CLOs)

Course Objectives	Course learning Outcome	Description of CLO
CO1	CLO1.1	Explain the concept of project, project management, construction project management.
	CLO1.2	Identify project management content and processes.
CO2	CLO2.1	. Use tools and methods in project planning and organization.
	CLO2.2	Apply methods and tools in project time, cost, schedule, and control management.
CO3	CLO3.1	Ability to work in groups, a sense of responsibility, and organization of work

Integrated matrix between Course learning Outcomes (CLOs) and Programme Learning Outcomes (PLOs)

CLOs	PLO 1	PLO 2	PLO 3	PLO 4	PLO 5	PLO 6	PLO 7	PLO 8	PLO 9	PLO 10	PLO 11	PLO 12	PLO 13	PLO 14	PLO 15	PLO 16
1.1						X										
1.2						X										
2.1												X	X			
2.2												X	X			
3.1														X		X

10. Teaching and Learning Materials

a. Textbook

[1] Department of Project Management, *Lecture Notes in Project Management in Construction* (Intra-documents)

b. Additional readings

[2] S.Keoki Sears, *Quản lý dự án xây dựng (Construction project management)*, Nhà xuất Bản Tổng hợp Tp. HCM, Tp. Hồ Chí Minh, 2011.

[3] PGS.TS. Cao Hào Thi & TS. Nguyễn Thúy Quỳnh Loan, *Quản lý dự án*, Nhà xuất bản Đại học Quốc Gia TPHCM, 2004

[4] ThS. Đỗ Thị Xuân Lan, *Quản lý dự án XD*, Nhà xuất bản Đại học Quốc Gia TPHCM, 2015

[5] Garold D. Oberlender, *Project management for engineering and construction*, Lần thứ 3, New York : McGraw-Hill Education, 2014.

[6] Erik Larson, Clifford Gray, 2018. *Project Management: The Managerial Process*, 7th edition, McGraw-Hill Education.

[7] Albert Lester, *Project management, planning and control : managing engineering, construction and manufacturing projects to PMI, APM and BSI standards*, Lần thứ 7. - Oxford, UK : Butterworth-Heinemann/Elsevier, 2017.

[8] Frederick E. Gould, Nancy E. Joyce, *Construction project management*, Lần thứ 4. - Boston : Pearson Education, 2014.

[9] Edward R. Fisk, Wayne D. Reynolds, *Construction project administration*, Pearson Education, 2014.

11. Course Assessment

Assessment Components	Assessment Contents	Time of assessment	CLO	Weighting (%)
(1)	(2)	(3)	(4)	
A1. Formative assessment	Presentation or case study exercises	During term	CLO2.2 CLO3.1	50%
A2. Summative assessment	All of chapters	End of term	CLO1.1, CLO1.2, CLO2.1, CLO2.2,	50%
Total				100%

12. Schedule

(4.5 x 50mins/session)

Week/Session	Contents	CLOs	Activities of teaching and learning	Assessment criteria	Learning Materials
(1)	(2)	(3)	(4)	(5)	(6)
1	OVERVIEW PROJECT MANAGEMENT 1. Introduce concepts related to project and project management 2. The content and project management method	CLO1.1 CLO1.2	Lecturer: Teach and give these examples in classroom Student: + Class: listen and do the examples. + Home: review knowledge and read books (9 x 50 mins.)		[1-9]
2	PROJECT PLANNING AND ORGANIZATION 1. Project evaluation and selection 2. Project planning 3. Project work division structure 4. Project organizational structure	CLO2.1	Lecturer: Teach and give these examples in classroom Student: + Class: listen and do the examples. + Home: review knowledge and read books (9 x 50 mins).		[1-9]
3	PROJECT BUDGET MANAGEMENT	CLO2.2	Lecturer: Teach and give these		[1-9]

Week/Session	Contents	CLOs	Activities of teaching and learning	Assessment criteria	Learning Materials
(1)	(2)	(3)	(4)	(5)	(6)
	1. The concept of a project budget 2. Methods of estimating project budgets.		examples in classroom Student: + Class: listen and do the examples. + Home: review knowledge and read books (9 x 50 mins).		
4, 5	PROJECT SCHEDULE MANAGEMENT 1. Principles of setting up project schedule 2. Methods of setting up project schedule	CLO1.2 CLO2.2	Lecturers: Review subject knowledge, assign tasks. Student: discuss and do homework		[1-9]
6,7	PROJECT CONTROL 1. Control project implementation with S-curve 2. Value Analysis (EVA)	CLO1.2 CLO2.2	Lecturer: Teach and give these examples in classroom Student: + Class: listen and do the examples. + Home: review knowledge and read books (9 x 50 mins)		[1-9]

Week/Session	Contents	CLOs	Activities of teaching and learning	Assessment criteria	Learning Materials
(1)	(2)	(3)	(4)	(5)	(6)
8	<p>PROJECT RISK MANAGEMENT</p> <p>1. Process project risk management</p> <p>2. Methods of analysis project risks</p> <p>3. Project risk response</p>	<p>CLO1.2</p> <p>CLO2.2</p>	<p>Lecturer: Teach and give these examples in classroom</p> <p>Student: + Class: listen and do the examples. + Home: review knowledge and read books (9 x 50 mins)</p>		[1-9]
9	<p>PROJECT FINISHED</p> <p>1. Some issues to note at the end</p> <p>2. Post-project analysis</p>	<p>CLO1.2</p>	<p>Lecturer: Teach and give these examples in classroom</p> <p>Student: + Class: listen and do the examples. + Home: review knowledge and read books (9 x 50 mins)</p>		[1-9]
10,11	<p>Presentation and Review</p>	<p>CLO3.1</p>	<p>Lecturer: Teach and give these examples in classroom</p> <p>Student: + Class:</p>		[1-9]

Week/Session	Contents	CLOs	Activities of teaching and learning	Assessment criteria	Learning Materials
(1)	(2)	(3)	(4)	(5)	(6)
			listen and do the examples. + Home: review knowledge and read books (9 x 50 mins)		

Teaching Plan for part - time classes (3 periods/session)

Week/Session	Contents	CLOs	Activities of teaching and learning	Assessment criteria	Learning Materials
(1)	(2)	(3)	(4)	(5)	(6)
1,2	<p>MANAGEMENT OVERVIEW PROJECT</p> <p>1. Introduce concepts related to project and project management</p> <p>2. The content and management method</p>	<p>CLO1.1</p> <p>CLO1.2</p>	<p>Lecturer: Teach and give these examples in classroom</p> <p>Student: + Class: listen and do the examples.</p> <p>+ Home: review knowledge and read books (9 x 50 mins).)</p>		[1-9]
2,3	<p>PROJECT PLANNING AND ORGANIZATION</p> <p>1. Project evaluation and selection</p> <p>2. Project planning</p> <p>3. Project work division structure</p> <p>4. Project organizational structure</p>	<p>CLO2.1</p>	<p>Lecturer: Teach and give these examples in classroom</p> <p>Student: + Class: listen and do the examples.</p> <p>+ Home: review knowledge and read books (9 x 50 mins).</p>		[1-9]

3, 4, 5	<p style="text-align: center;">PROJECT BUDGET MANAGEMENT</p> <p>1. The concept of a project budget 2. Methods of estimating project budgets.</p>	CLO2.2	<p>Lecturer: Teach and give these examples in classroom Student: + Class: listen and do the examples. + Home: review knowledge and read books (9 x 50 mins).</p>		[1-9]
6,7,8	<p style="text-align: center;">SCHEDULE MANAGEMENT</p> <p>1. Principles of setting up project schedule 2. Methods of setting up project schedule</p>	CLO1.2 CLO2.2	<p>Lecturers: Review subject knowledge, assign tasks. Student: discuss and do homework</p>		[1-9]
9, 10	<p style="text-align: center;">PROJECT CONTROL 1.</p> <p>Control project implementation with S-curve 2. Value Analysis (EVA)</p>	CLO1.2 CLO2.2	<p>Lecturer: Teach and give these examples in classroom Student: + Class: listen and do the examples. + Home: review knowledge and read books (9 x 50 mins)</p>		[1-9]

11,12	RISK MANAGEMENT 1. Process project risk management 2. Methods of analysis project risks 3. Project risk response	CLO1.2 CLO2.2	Lecturer: Teach and give these examples in classroom Student: + Class: listen and do the examples. + Home: review knowledge and read books (9 x 50 mins)		[1-9]
13	PROJECT FINISHED 1. Some issues to note at the end 2. Post-project analysis	CLO1.2	Lecturer: Teach and give these examples in classroom Student: + Class: listen and do the examples. + Home: review knowledge and read books (9 x 50 mins)		[1-9]

14,15	Review	CLO3.1	Lecturer: Teach and give these examples in classroom Student: + Class: listen and do the examples. + Home: review knowledge and read books (9 x 50 mins)	[1-9]
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