

Tamkang University Academic Year 109, 1st Semester Course Syllabus

Course Title	ENGINEERING PROJECT MANAGEMENT	Instructor	FAN, SU-LING
Course Class	TECXM1A MASTER'S PROGRAM, DEPARTMENT OF CIVIL ENGINEERING, 1A	Details	<ul style="list-style-type: none"> ◆ General Course ◆ Selective ◆ One Semester
D e p a r t m e n t a l A i m o f E d u c a t i o n			
<p>I . Develop students' ability and knowledge of civil engineering to meet the requirements of employability and further education.</p> <p>II. Equip students with the ability to integrate engineering profession and information technology to strengthen their competitiveness.</p> <p>III. Enable students to understand the international trends, and to activate a lifelong learning concept.</p>			
Subject Departmental core competences			
<p>A. Each student should have the advanced professional knowledge of engineering design and analysis.(ratio:20.00)</p> <p>B. Each student should have the ability to integrate interdisciplinary knowledge and information technology.(ratio:20.00)</p> <p>C. Each student should have independent thinking and ability of research conducting and dissertation writing.(ratio:20.00)</p> <p>D. Each student should have the ability of effective communication, team work integration and leadership.(ratio:20.00)</p> <p>E. Each student should the concept of lifelong learning and international sustainability. (ratio:20.00)</p>			
Subject Schoolwide essential virtues			
<p>1. A global perspective. (ratio:20.00)</p> <p>2. Information literacy. (ratio:20.00)</p> <p>3. A vision for the future. (ratio:20.00)</p> <p>5. Independent thinking. (ratio:20.00)</p> <p>7. A spirit of teamwork and dedication. (ratio:20.00)</p>			

Course Introduction	This course will cover the knowledge body of construction project management, including but not limited to Integration Management, Scope Management, Time Management, Cost Management, Quality Management, Human Resource Management, Communication Management, Risk Management, Procurement Management, Stakeholder Management and Contract Management and Building Information Modeling.
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The correspondences between the course's instructional objectives and the cognitive, affective, and psychomotor objectives.

Differentiate the various objective methods among the cognitive, affective and psychomotor domains of the course's instructional objectives.

- I. Cognitive : Emphasis upon the study of various kinds of knowledge in the cognition of the course's veracity, conception, procedures, outcomes, etc.
- II. Affective : Emphasis upon the study of various kinds of knowledge in the course's appeal, morals, attitude, conviction, values, etc.
- III. Psychomotor: Emphasis upon the study of the course's physical activity and technical manipulation.

No.	Teaching Objectives	objective methods
1	1. Understating the knowledge body and the application of construction project management, including but not limited to Integration Management, Scope Management, Time Management, Cost Management, Quality Management, Human Resource Management, Communication Management, Risk Management, Procurement Management, Stakeholder Management and Contract Management and Building Information Modeling. 2. Students improve their vocabulary, English speaking ability and learning skills.	Cognitive

The correspondences of teaching objectives : core competences, essential virtues, teaching methods, and assessment

No.	Core Competences	Essential Virtues	Teaching Methods	Assessment
1	ABCDE	12357	Lecture, Discussion	Report(including oral and written), Activity Participation

Course Schedule

Week	Date	Course Contents	Note
1	109/09/14~ 109/09/20	Introduction of Construction Project Management	

2	109/09/21 ~ 109/09/27	Integration Management	
3	109/09/28 ~ 109/10/04	Scope Management	
4	109/10/05 ~ 109/10/11	Time Management (1)	
5	109/10/12 ~ 109/10/18	Time Management(2)	
6	109/10/19 ~ 109/10/25	Cost Management	
7	109/10/26 ~ 109/11/01	Quality Management	
8	109/11/02 ~ 109/11/08	Human Resource Management	
9	109/11/09 ~ 109/11/15	Communication Management	
10	109/11/16 ~ 109/11/22	Mid-term Exam Week	
11	109/11/23 ~ 109/11/29	Risk Management(1)	
12	109/11/30 ~ 109/12/06	Risk Management(2)	
13	109/12/07 ~ 109/12/13	Procurement Management	
14	109/12/14 ~ 109/12/20	Stakeholder management	
15	109/12/21 ~ 109/12/27	Stakeholder Management and Contract Management	
16	109/12/28 ~ 110/01/03	Building Information Modeling.	
17	110/01/04 ~ 110/01/10	Others	
18	110/01/11 ~ 110/01/17	Final Exam Week	
Requirement			
Teaching Facility		Computer, Projector	
Textbooks and Teaching Materials			
References			

Number of Assignment(s)	(Filled in by assignment instructor only)
Grading Policy	◆ Attendance : % ◆ Mark of Usual : % ◆ Midterm Exam : % ◆ Final Exam : % ◆ Other (Participation and Re) : 100.0 %
Note	This syllabus may be uploaded at the website of Course Syllabus Management System at http://info.ais.tku.edu.tw/csp or through the link of Course Syllabus Upload posted on the home page of TKU Office of Academic Affairs at http://www.acad.tku.edu.tw/CS/main.php . ※ Unauthorized photocopying is illegal. Using original textbooks is advised. It is a crime to improperly photocopy others' publications.