Tamkang University Academic Year 109, 2nd Semester Course Syllabus

Course Title	SYSTEM ANALYSIS AND DESIGN	Instructor	LIN HUI
Course Class	TQICB2A DIVISION OF SOFTWARE ENGINEERING, DEPARTMENT OF INNOVATIVE INFORMATION AND TECHNOLOGY (ENGLISH-TAUGHT PROGRAM), 2A	Details	◆ General Course ◆ Required ◆ One Semester
Relevance to SDGs	SDG9 Industry, Innovation, and Infrastructure		

Departmental Aim of Education

Cultivate professional talents in developing and applying information system in various fields.

Subject Departmental core competences

D. Capability of developing information system(ratio:100.00)

Subject Schoolwide essential virtues

2. Information literacy. (ratio:70.00)

5. Independent thinking. (ratio:20.00)

7. A spirit of teamwork and dedication. (ratio:10.00)

Course Introduction	Start to learn with fundamental concepts, philosophies, and trends that provide the context of systems analysis and design methods. Then introduce systems analysis and its overall importance in a project. Those are specific systems analysis skills with an emphasis on logical system modeling.

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	Students will be able to summarize concepts covered in the following topics: the Components of Information System, Project Management, Systems Analysis Methods, and Unified Modeling Language(UML).Students will be able to implement a new project of systems analysis and design using the UML.	Psychomotor

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

No.	Core Competences	Essential Virtues	Teaching Methods	Assessment
1	D	257	Lecture, Discussion, Experience	Testing, Study Assignments, Discussion(including classroom and online), Report(including oral and written), Activity Participation

Course Schedule

Week	Date	Course Contents	Note
1	110/02/22 ~ 110/02/28	syllbus/Wisdom property rights guidance/Introduction to Systems Analysis and Design	
2	110/03/01 ~ 110/03/07	Introduction to Systems Analysis and Design	
3	110/03/08 ~ 110/03/14	Introduction to Systems Analysis and Design/Analyzing the Business Case	
4	110/03/15 ~ 110/03/21	Analyzing the Business Case	
5	110/03/22 ~ 110/03/28	Analyzing the Business Case	
6	110/03/29 ~ 110/04/04	Managing System Projects	
7	110/04/05 ~ 110/04/11	Managing System Projects	

8	110/04/12～ 110/04/18	Requirements Modeling	
9	110/04/19～ 110/04/25	Requirements Modeling	
10	110/04/26～ 110/05/02	Midterm Exam Week	
11	110/05/03～ 110/05/09	Data and Process Modeling/Object Modeling	
12	110/05/10～ 110/05/16	Object Modeling	
13	110/05/17～ 110/05/23	Object Modeling/Development Strategies	
14	110/05/24～ 110/05/30	Development Strategies/Output and User Interface Design	
15	110/05/31～ 110/06/06	Output and User Interface Design	
16	110/06/07～ 110/06/13	Data Design	
17	110/06/14～ 110/06/20	Data Design	
18	110/06/21～ 110/06/27	Final Exam Week	

Requirement	Score will include attendance, the ratio may be slightly adjusted!
Teaching Facility	Computer, Projector
Textbooks and Teaching Materials	Systems Analysis and Design 9e, Shelly · Rosenblatt (歐亞)
References	Introduction to System Analysis & Design, Whitten·Bentley(高立) System Analysis & Design for the Global Enterprise, Bentley·Whitten(滄海)
Number of Assignment(s)	**20** (Filled in by assignment instructor only)
Grading Policy	◆ Attendance： % ◆ Mark of Usual：20.0 % ◆ Midterm Exam： 30.0 % ◆ Final Exam： 30.0 % ◆ Other〈project etc.〉：20.0 %
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.**