Tamkang University Academic Year 110, 1st Semester Course Syllabus

Course Title	DECISION SUPPORT SYSTEMS	Instructor	LIN HUI
Course Class	TEIDB4P DEPARTMENT OF COMPUTER SCIENCE AND INFORMATION ENGINEERING (ENGLISH-TAUGHT PROGRAM), 4P	Details	◆ General Course ◆ Selective ◆ One Semester
Relevance to SDGs	SDG9 Industry, Innovation, and Infrastructure		

Departmental Aim of Education

Ⅰ. Comprehend professional knowledge.

Ⅱ. Acquire mastery of Practical Skills.

Ⅲ. Establish creative achievement.

Subject Departmental core competences

E. Professional skills for information technology (IT) industry.(ratio:100.00)

Subject Schoolwide essential virtues

1. A global perspective. (ratio:10.00)

2. Information literacy. (ratio:60.00)

3. A vision for the future. (ratio:20.00)

5. Independent thinking. (ratio:10.00)

Course Introduction	Learn the foundation concepts of the Decision Support System and Business Intelligence. Including decision making, computerized support, decision support system methodologies and the essentials of business intelligence.

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	Learn basic concepts of decision-making. Understands decision support systems. Recognize different types of decision support systems used in the workplace. Determine which type of decision support system is applicable in specific situation.	Cognitive

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

No.	Core Competences	Essential Virtues	Teaching Methods	Assessment
1	E	1235	Lecture, Practicum, Experience	Testing, Study Assignments, Practicum, Activity Participation

Course Schedule

Week	Date	Course Contents	Note
1	110/09/22 ~ 110/09/28	Introduction to DSS	
2	110/09/29 ~ 110/10/05	Decision Support and Business Intelligent	
3	110/10/06 ~ 110/10/12	Decision Support and Business Intelligent	
4	110/10/13 ~ 110/10/19	Decision Making, System, Modeling, and Support	
5	110/10/20 ~ 110/10/26	Decision Making, System, Modeling, and Support	
6	110/10/27 ~ 110/11/02	Decision Support Systems Concepts, Methodologies, and Technologies: An Overview	
7	110/11/03 ~ 110/11/09	Decision Support Systems Concepts, Methodologies, and Technologies: An Overview	
8	110/11/10 ~ 110/11/16	Modeling and Analysis	
9	110/11/17 ~ 110/11/23	Midterm Exam Week	

10	110/11/24 ~ 110/11/30	Modeling and Analysis	
11	110/12/01 ~ 110/12/07	Data Mining for Business Intelligence	
12	110/12/08 ~ 110/12/14	Data Mining for Business Intelligence	
13	110/12/15 ~ 110/12/21	Data Mining for Business Intelligence	
14	110/12/22 ~ 110/12/28	Text and Web Mining	
15	110/12/29 ~ 111/01/04	Text and Web Mining	
16	111/01/05 ~ 111/01/11	Data Warehousing	
17	111/01/12 ~ 111/01/18	Final Exam Week	
18	111/01/19 ~ 111/01/25		

Requirement	依本校學則第三十八條第二款規定辦理扣考
Teaching Facility	Computer, Projector
Textbooks and Teaching Materials	Business Intelligence and Analytics System for Decision Support and,10e, Turban(華泰)
References	決策支援系統,李俊民譯(華泰)
Number of Assignment(s)	**10** (Filled in by assignment instructor only)
Grading Policy	◆ Attendance： 10.0 % ◆ Mark of Usual：10.0 % ◆ Midterm Exam： 30.0 % ◆ Final Exam： 30.0 % ◆ Other〈Quiz〉：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.**