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

A. Programming and application ability.(ratio:15.00)

B. Mathematical reasoning ability.(ratio:15.00)

C. Implementing computer systems ability.(ratio:15.00)

D. Computer networking application skills.(ratio:15.00)

E. Professional skills for information technology (IT) industry.(ratio:40.00)

Subject Schoolwide essential virtues

1. A global perspective. (ratio:10.00)

2. Information literacy. (ratio:20.00)

3. A vision for the future. (ratio:10.00)

4. Moral integrity. (ratio:10.00)

5. Independent thinking. (ratio:10.00)

6. A cheerful attitude and healthy lifestyle. (ratio:10.00)

7. A spirit of teamwork and dedication. (ratio:20.00)

8. A sense of aesthetic appreciation. (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	ABCDE	12345678	Lecture, Practicum, Experience	Testing, Study Assignments, Practicum, Activity Participation

Course Schedule

Week	Date	Course Contents	Note
1	112/09/11 ~ 112/09/17	Introduction to DSS	
2	112/09/18 ~ 112/09/24	Decision Support and Business Intelligent	
3	112/09/25 ~ 112/10/01	Decision Support and Business Intelligent	

4	112/10/02 ~ 112/10/08	Decision Making, System, Modeling, and Support	
5	112/10/09 ~ 112/10/15	Decision Making, System, Modeling, and Support	
6	112/10/16 ~ 112/10/22	Decision Support Systems Concepts, Methodologies, and Technologies: An Overview	
7	112/10/23 ~ 112/10/29	1.Decision Support Systems Concepts, Methodologies, and Technologies: An Overview 2.Enterprise Visiting (Field Trip)	
8	112/10/30 ~ 112/11/05	Modeling and Analysis	
9	112/11/06 ~ 112/11/12	Midterm Exam Week	
10	112/11/13 ~ 112/11/19	1.Modeling and Analysis 2.2.Enterprise Visiting (Field Trip)	
11	112/11/20 ~ 112/11/26	1.Data Mining for Business Intelligence 2.Enterprise Visiting (Field Trip)	
12	112/11/27 ~ 112/12/03	Data Mining for Business Intelligence	
13	112/12/04 ~ 112/12/10	Text and Web Mining	
14	112/12/11 ~ 112/12/17	Text and Web Mining	
15	112/12/18 ~ 112/12/24	Data Warehousing	
16	112/12/25 ~ 112/12/31	Data Warehousing	
17	113/01/01 ~ 113/01/07	Final Exam Week	
18	113/01/08 ~ 113/01/14	Flex week, learning activities should be arranged.	
Key capabilities		Information Technology Problem solving	
Interdisciplinary		STEAM course (S:Science, T:Technology, E:Engineering, M:Math, A field:Integration of Art and Humanist) In addition to teaching content of the teacher's professional field, integrate other subjects or invite experts and scholars in other fields to share knowledge or teaching	
Distinctive teaching			

Course Content	Logical Thinking
Requirement	
Textbooks and Teaching Materials	Self-made teaching materials:Presentations, Handouts Using teaching materials from other writers:Textbooks Name of teaching materials: Business Intelligence and Analytics System for Decision Support and,10e, Turban
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.**