Tamkang University Academic Year 111, 1st Semester Course Syllabus

Course Title	SMART LOGISTICS OPERATION	Instructor	CHIH-LIN CHUNG
Course Class	TGLXB0A ELECTIVES COURSES BY COLLEGE OF BUSINESS AND MANAGEMENT, 0A	Details	◆ General Course ◆ Selective ◆ One Semester
Relevance to SDGs	SDG9 Industry, Innovation, and Infrastructure		

Departmental Aim of Education

Ⅰ. Acquisition of professional knowledge.

Ⅱ. Learning effective self-planning.

Ⅲ. Theoretical application of practical matters.

Ⅳ. Interpersonal communication and teamwork.

Ⅴ. Analysis of problems and recommendations.

Ⅵ. Awareness of Ethics as a global citizen.

Subject Departmental core competences

A. Students can demonstrate that they have program basic knowledge of business and management.(ratio:20.00)

B. Students can demonstrate that they have capability in professional knowledge expression. (ratio:30.00)

C. Students can demonstrate that they have capability in using information technology. (ratio:20.00)

D. Students can demonstrate that they are critical thinkers.(ratio:30.00)

Subject Schoolwide essential virtues

1. A global perspective. (ratio:20.00)

2. Information literacy. (ratio:10.00)

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

4. Moral integrity. (ratio:5.00)

5. Independent thinking. (ratio:20.00)

6. A cheerful attitude and healthy lifestyle. (ratio:5.00)

7. A spirit of teamwork and dedication. (ratio:15.00)

8. A sense of aesthetic appreciation. (ratio:5.00)

Course Introduction	This course offers a fundamental understanding of the latest smart logistics development operations. Five modules will be covered, including 1. smart city, 2. introduction to intelligent transportation systems, 3. commercial vehicle operation, 4. smart logistics, and 5. connected/autonomous vehicles.

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	Applications and case studies of smart cities and transportation.	Cognitive
2	Operational assessment of CVO, logistics, and autonomous vehicles.	Cognitive

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

No.	Core Competences	Essential Virtues	Teaching Methods	Assessment
1	AB	1234	Lecture, Discussion	Study Assignments, Discussion(including classroom and online), Report(including oral and written)
2	CD	5678	Lecture, Discussion	Study Assignments, Discussion(including classroom and online), Report(including oral and written)

Course Schedule

Week	Date	Course Contents	Note

1	111/09/05 ~ 111/09/11	National Holiday (No Class)	
2	111/09/12 ~ 111/09/18	Introduction	
3	111/09/19 ~ 111/09/25	Smart City-1	
4	111/09/26 ~ 111/10/02	Smart City-2	
5	111/10/03 ~ 111/10/09	Online Asynchronous Instruction-1	Online Asynchronous Instruction-1
6	111/10/10 ~ 111/10/16	Intelligent Transportation Systems-1	
7	111/10/17 ~ 111/10/23	Intelligent Transportation Systems-2	
8	111/10/24 ~ 111/10/30	Online Asynchronous Instruction-2	Online Asynchronous Instruction
9	111/10/31 ~ 111/11/06	Midterm Project Presentation ***No Midterm Exam***	
10	111/11/07 ~ 111/11/13	Midterm Exam Week	
11	111/11/14 ~ 111/11/20	Freight and CVO	
12	111/11/21 ~ 111/11/27	Supply Chain and Smart Logistics	
13	111/11/28 ~ 111/12/04	Online Asynchronous Instruction-3	Online Asynchronous Instruction
14	111/12/05 ~ 111/12/11	Radio Frequency Identification (RFID)	
15	111/12/12 ~ 111/12/18	DSRC and Connected Vehicles	
16	111/12/19 ~ 111/12/25	Online Asynchronous Instruction-4	Online Asynchronous Instruction
17	111/12/26 ~ 112/01/01	Final Project Presentation ***No Final Exam***	
18	112/01/02 ~ 112/01/08	Final Exam Week	

Requirement	
Teaching Facility	Computer, Projector
Textbooks and Teaching Materials	US DOT ITS ePrimer (http://www.pcb.its.dot.gov/eprimer.aspx)；Wikipedia
References	FHWA, US DOT research data exchange: https://www.its-rde.net/

Number of Assignment(s)	4 (Filled in by assignment instructor only)
Grading Policy	◆ Attendance： 10.0 % ◆ Mark of Usual：40.0 % ◆ Midterm Exam： % ◆ Final Exam： % ◆ Other〈project presentation〉：50.0 %
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.**