

Tamkang University Academic Year 109, 2nd Semester Course Syllabus

Course Title	SMART LOGISTICS OPERATION	Instructor	CHIH-LIN CHUNG
Course Class	TLTXB3P DEPARTMENT OF TRANSPORTATION MANAGEMENT, 3P	Details	<ul style="list-style-type: none"> ◆ Blended Course ◆ Selective ◆ One Semester ◆ 3 Credits
Relevance to SDGs	SDG9 Industry, Innovation, and Infrastructure		
Departmental Aim of Education			
<ul style="list-style-type: none"> I. To obtain professional transportation knowledge. II. To familiarize with execution of transportation practices. III. To master oral expression and teamwork. IV. To capture basic skills of system analysis. V. To emphasize professional transportation ethics. 			
Subject Departmental core competences			
<ul style="list-style-type: none"> A. To obtain basic knowledge of transportation management.(ratio:60.00) C. To be capable of oral expression and teamwork.(ratio:40.00) 			
Subject Schoolwide essential virtues			
<ul style="list-style-type: none"> 1. A global perspective. (ratio:15.00) 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:30.00) 7. A spirit of teamwork and dedication. (ratio:15.00) 			

Course Introduction	<p>This course offers a fundamental understanding of the latest development of smart logistics operations. Five modules will be covered, including 1. smart city, 2. introduction to intelligent transportation systems (ITS), 4. commercial vehicle operation (CVO) and logistics, 5. connected and autonomous vehicles, and 6. emerging issues.</p>
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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	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	A	123	Lecture, Discussion	Testing, Discussion(including classroom and online), Report(including oral and written)
2	C	457	Lecture, Discussion	Testing, Discussion(including classroom and online), Report(including oral and written)

Course Schedule

Note for Blended Course : When utilizing weekly digital instruction, please fill in "Online Asynchronous Instruction".

Week	Date	Course Contents	Note
1	110/02/22 ~ 110/02/28	Introduction	

2	110/03/01 ~ 110/03/07	Smart City-1	
3	110/03/08 ~ 110/03/14	Smart City-2	
4	110/03/15 ~ 110/03/21	Online Learning-1	Online Asynchronous Instruction
5	110/03/22 ~ 110/03/28	Field Trip (Smart City Expo)	
6	110/03/29 ~ 110/04/04	Spring Break	
7	110/04/05 ~ 110/04/11	Intelligent Transportation Systems	
8	110/04/12 ~ 110/04/18	Online Learning-2	Online Asynchronous Instruction
9	110/04/19 ~ 110/04/25	Midterm Project Presentation ***No Midterm Exam***	
10	110/04/26 ~ 110/05/02	Midterm Exam Week	
11	110/05/03 ~ 110/05/09	Freight and CVO	
12	110/05/10 ~ 110/05/16	Supply Chain and Smart Logistics	
13	110/05/17 ~ 110/05/23	Online Learning-3	Online Asynchronous Instruction
14	110/05/24 ~ 110/05/30	Radio Frequency Identification (RFID) or Field Trip (TBD)	
15	110/05/31 ~ 110/06/06	DSRC, Connected Vehicles, and Autonomous Vehicles	
16	110/06/07 ~ 110/06/13	Online Learning-4	Online Asynchronous Instruction
17	110/06/14 ~ 110/06/20	Final Project Presentation ***No Final Exam***	
18	110/06/21 ~ 110/06/27	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)	(Filled in by assignment instructor only)
Grading Policy	<p>◆ Attendance : 10.0 % ◆ Mark of Usual : 40.0 % ◆ Midterm Exam : 20.0 %</p> <p>◆ Final Exam : 20.0 %</p> <p>◆ Other (participation) : 10.0 %</p>
Note	<p>1. This syllabus may be uploaded at the website of the Course Syllabus Management System at https://info.ais.tku.edu.tw/csp or through the link of the Course Syllabus Upload posted on the home page of the TKU Office of Academic Affairs http://www.acad.tku.edu.tw/CS/main.php</p> <p>2. According to the Implementation regulations of distance education for junior college and above are prescribed pursuant to Article 2, "The distance learning course referred to in these Measures refers to more than one-half of the teaching hours in each subject."</p> <p>3. According to the regulations of Tamkang University Enforcement Rules for digital teaching, Paragraph 2 and Article 3, the distance learning course of our school must be "The course of digital teaching with distance learning platform or synchronous video system in our school. Teaching Hours include course lectures, teacher-student interaction discussions, quizzes and other learning activities."</p> <p>4. If there are any temporary course changes (including time changes and classroom changes of distance learning courses, blended courses), please make out an application according to regulations to the Office of Academic Affairs.</p> <p>※ Unauthorized photocopying is illegal. Using original textbooks is advised. It is a crime to improperly photocopy others' publications.</p>