

Tamkang University Academic Year 114, 1st Semester Course Syllabus

Course Title	SMART LOGISTICS OPERATION	Instructor	CHIH-LIN CHUNG
Course Class	TLTXB3P DEPARTMENT OF TRANSPORTATION MANAGEMENT, 3P	Details	◆ Blended Course ◆ Selective ◆ One Semester ◆ 2 Credits
Relevance to SDGs	SDG9 Industry, Innovation, and Infrastructure		
D e p a r t m e n t a l A i m o f E d u c a t i o n			
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			
A. To obtain basic knowledge of transportation management.(ratio:40.00) B. To familiarize with practice-oriented professional skills.(ratio:10.00) C. To be capable of oral expression and teamwork.(ratio:30.00) D. To obtain basic ability of system analysis.(ratio:10.00) E. To build transportation ethics, care for humanity, and global visions.(ratio:10.00)			
Subject Schoolwide essential virtues			
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:5.00) 5. Independent thinking. (ratio:25.00) 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.			
<p>The correspondences between the course's instructional objectives and the cognitive, affective, and psychomotor objectives.</p> <p>Differentiate the various objective methods among the cognitive, affective and psychomotor domains of the course's instructional objectives.</p> <p>I. Cognitive : Emphasis upon the study of various kinds of knowledge in the cognition of the course's veracity, conception, procedures, outcomes, etc.</p> <p>II.Affective : Emphasis upon the study of various kinds of knowledge in the course's appeal, morals, attitude, conviction, values, etc.</p> <p>III.Psychomotor: Emphasis upon the study of the course's physical activity and technical manipulation.</p>				
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	CDE	5678	Lecture, Discussion	Study Assignments, Discussion(including classroom and online), Report(including oral and written)
Course Schedule				
Week	Date	Course Contents		Note
1	114/09/15 ~ 114/09/21	Introduction		
2	114/09/22 ~ 114/09/28	Smart City-1		

3	114/09/29 ~ 114/10/05	Smart City-2	
4	114/10/06 ~ 114/10/12	Smart City (online @iClass)	Online Asynchronous Instruction
5	114/10/13 ~ 114/10/19	Smart City Case Study	
6	114/10/20 ~ 114/10/26	Intelligent Transportation Systems-1 (online @iClass)	Online Asynchronous Instruction
7	114/10/27 ~ 114/11/02	Intelligent Transportation Systems-2	
8	114/11/03 ~ 114/11/09	ITS Case Study or Field Trip	
9	114/11/10 ~ 114/11/16	Supply Chain	
10	114/11/17 ~ 114/11/23	Freight and CVO (online @iClass)	Online Asynchronous Instruction
11	114/11/24 ~ 114/11/30	Smart Logistics	
12	114/12/01 ~ 114/12/07	RFID (online @iClass)	Online Asynchronous Instruction
13	114/12/08 ~ 114/12/14	DSRC and Connected Vehicles	
14	114/12/15 ~ 114/12/21	Final Project Presentation	
15	114/12/22 ~ 114/12/28	National Holiday (no class)	
16	114/12/29 ~ 115/01/04	National Holiday (no class)	
17	115/01/05 ~ 115/01/11	Flexible Teaching Week (online self-directed learning)	
18	115/01/12 ~ 115/01/18	Flexible Teaching Week (online self-directed learning)	
Key capabilities			
Interdisciplinary			
Distinctive teaching			
Course Content		Smart Logistics	

Requirement	
Textbooks and Teaching Materials	Self-made teaching materials:Presentations
References	FHWA, US DOT research data exchange: https://www.its-rde.net/
Grading Policy	<p>◆ Attendance : 10.0 % ◆ Mark of Usual : % ◆ Midterm Exam : 20.0 %</p> <p>◆ Final Exam : 70.0 %</p> <p>◆ Other () : %</p>
Note	<p>This syllabus may be uploaded at the website of Course Syllabus Management System at https://web2.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.</p> <p>※"Adhere to the concept of intellectual property rights" and "Do not illegally photocopy, download, or distribute." Using original textbooks is advised. It is a crime to improperly photocopy others' publications.</p>