## Tamkang University Academic Year 105, 2nd Semester Course Syllabus

Course Title COMMERCIAL VEHICLE OPERATION		Instructor	CHIH-LIN CHUNG			
Course Class	Course Class TLTXB3P DEPARTMENT OF TRANSPORTATION MANAGEMENT, 3P		<ul> <li>Selective</li> <li>One Semester</li> <li>3 Credits</li> </ul>			
	Departmental Aim of Education					
I. To obt	ain professional transportation knowledge.					
П. To fam	iliarize with execution of transportation practices.					
III. To mas	ster oral expression and teamwork.					
IV. To cap	ture basic skills of system analysis.					
V.To emp	phasize professional transportation ethics.					
	Departmental core compet	ences				
B. To famil C. To be ca D. To obtai	in basic knowledge of transportation management. iarize with practice-oriented professional skills. apable of oral expression and teamwork. in basic ability of system analysis. I transportation ethics, care for humanity, and global visions.					
Course Introduction						

## The Relevance among Teaching Objectives, Objective Levels and Departmental core competences

I.Objective Levels (select	applicable ones)	:	
(i) Cognitive Domain :	C1-Remembering,	C2-Understanding,	C3-Applying,
	C4-Analyzing,	C5-Evaluating,	C6-Creating
(ii) Psychomotor Domain :	Pl-Imitation,	P2-Mechanism,	P3-Independent Operation,
	P4-Linked Operati	on, P5-Automation,	P6-Origination
(iii) Affective Domain :	Al-Receiving,	A2-Responding,	A3-Valuing,
	A4-Organizing,	A5-Charaterizing,	A6-Implementing

II. The Relevance among Teaching Objectives, Objective Levels and Departmental core competences : (i) Determine the objective level(s) in any one of the three learning domains (cognitive,

- psychomotor, and affective) corresponding to the teaching objective. Each objective should correspond to the objective level(s) of ONLY ONE of the three domains.
- (ii) If more than one objective levels are applicable for each learning domain, select the highest one only. (For example, if the objective levels for Cognitive Domain include C3,C5, and C6, select C6 only and fill it in the boxes below. The same rule applies to Psychomotor Domain and Affective Domain.)
- (iii) Determine the Departmental core competences that correspond to each teaching objective. Each objective may correspond to one or more Departmental core competences at a time.(For example, if one objective corresponds to three Departmental core competences: A,AD, and BEF, list all of the three in the box.)

				Relevance		
No.	Teaching Objectives			Departmental core competences		
1	Applications and case studies of the commercial vehicle operation			А		
2	Operational analysis and topic assessment of each specific commercial vehicle			С		
	Teaching Obje	ectives, Teaching Methods and Assessme	ent			
No.	Teaching Objectives	Teaching Methods	Assessment			
1	Applications and case studies of the commercial vehicle operation	Lecture, Appreciation, Visit	Written test, Participation			
2	Operational analysis and topic assessment of each specific commercial vehicle	Lecture, Discussion	Written test, Report			

	Essential	Qualities of TKU Students	Desc	ription	
$\diamondsuit$ A global perspective		pective	Helping students develop a broader perspective from which to understand international affairs and global development.		
<ul> <li>Information literacy</li> <li>A vision for the future</li> <li>Moral integrity</li> <li>Independent thinking</li> <li>A cheerful attitude and healthy lifestyle</li> <li>A spirit of teamwork and dedication</li> </ul>		teracy	Becoming adept at using information technology and learning the proper way to process information.         Understanding self-growth, social change, and technological development so as to gain the skills necessary to bring about one's future vision.         Learning how to interact with others, practicing empathy and caring for others, and constructing moral principles with which to solve ethical problems.		
		e future			
		у			
		thinking		Encouraging students to keenly observe and seek out the source of their problems, and to think logically and critically.	
		itude and healthy lifestyle	Raising an awareness of the fine balance between one's body and soul and the environment; helping students live a meaningful life.		
		mwork and dedication	Improving one's ability to communicate and cooperate so as to integrate resources, collaborate with others, and solve problems.		
$\diamond$	A sense of aes	sthetic appreciation	Equipping students with the ability to aesthetic beauty, to express themselve the creative process.		
	1		Course Schedule		
Week	Date		Subject/Topics	Note	
1	106/02/13 ~ 106/02/19	Introduction			
2	106/02/20~ 106/02/26	Field Trip (Smart City and IOT Exhibition)			
3	106/02/27 ~ 106/03/05	Smart City and ITS	Smart City and ITS		
4	106/03/06~ 106/03/12	ITS and Transportation Mar	nagement Systems	M3 of the ePrimer	
5	106/03/13~ 106/03/19	Transportation Manageme	Transportation Management Systems		
6	106/03/20 ~ 106/03/26	Freight, Intermodal, and CV	Freight, Intermodal, and CVO		
7	106/03/27 ~ 106/04/02	Freight, Intermodal, and CV	Freight, Intermodal, and CVO		
8	106/04/03 ~ 106/04/09	Spring Break			
9	106/04/10~ 106/04/16	Fleet Management			
10	106/04/17~ 106/04/23	Midterm Exam Week			
	106/04/24~ 106/04/30	Telematics and Connected Vehicles		M13 of the	
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Field Trip (Gogoro Flagship Store)			
Emerging Issues M14 of the ePrimer			
Case Study or Field Trip			
106/05/29~ 106/06/04 Case Study			
Presentation and Sharing			
Final Exam Week			
<ol> <li>This course is involved with some ITS terminology and readings. If you're inte and English, this is the course for you.</li> <li>We will have two off-campus visits.</li> <li>This class has a final exam but no mid-term exam.</li> <li>This course is for juniors and seniors.</li> </ol>	rested in ITS		
eaching Facility Computer, Projector			
US DOT ITS ePrimer (http://www.pcb.its.dot.gov/eprimer.aspx) ; Wikipedia			
FHWA, US DOT research data exchange: https://www.its-rde.net/			
5 (Filled in by assignment instructor only)			
<ul> <li>♦ Attendance: % ♦ Mark of Usual: 50.0 % ♦ Midterm Exam: %</li> <li>♦ Final Exam: 30.0 %</li> <li>♦ Other ⟨Participation⟩: 20.0 %</li> </ul>			
This syllabus may be uploaded at the website of Course Syllabus Management System at <u>http://info.ais.tku.edu.tw/csp</u> or through the link of Course Syllabus Upload posted on the         Note       home page of TKU Office of Academic Affairs at <a href="http://www.acad.tku.edu.tw/CS/main.php">http://www.acad.tku.edu.tw/CS/main.php</a> .         Wnauthorized photocopying is illegal. Using original textbooks is advised. It is a crime			
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	Emerging Issues         Case Study or Field Trip         Case Study         Presentation and Sharing         Final Exam Week         1. This course is involved with some ITS terminology and readings. If you're inte and English, this is the course for you.         2. We will have two off-campus visits.         3. This class has a final exam but no mid-term exam.         4. This course is for juniors and seniors.         Computer, Projector         US DOT ITS ePrimer (http://www.pcb.its.dot.gov/eprimer.aspx) ; Wikipedia         FHWA, US DOT research data exchange: https://www.its-rde.net/         5       (Filled in by assignment instructor only)         ♦ Attendance :       %       Mark of Usual : 50.0 %       Midter         ♦ Final Exam :       30.0 %       Other ⟨Participation⟩ : 20.0 %       This syllabus may be uploaded at the website of Course Syllabus Managemert         http://info.ais.tku.edu.tw/csp or through the link of Course Syllabus Upload p       home page of TKU Office of Academic Affairs at http://www.acad.tku.edu.tw/         * Unauthorized photocopying is illegal. Using original textbooks is ac to improperly photocopy others' publications.		