Tamkang University Academic Year 109, 2nd Semester Course Syllabus

Course Title	Course Title APPLICATION OF COMMERCIAL SOFTWARE		CHEN-CHIEH CHEN			
Course Class	e Class DIVISION OF GLOBAL COMMERCE, DEPARTMENT OF INTERNATIONAL BUSINESS (ENGLISH-TAUGHT PROGRAM), 3A		 General Course Selective One Semester 			
Relevance to SDGs	Relevance SDG9 Industry, Innovation, and Infrastructure SDG17 Partnerships for the goals					
	Departmental Aim of Education					
	I. To instill the university motto of "Simplicity, Firmness, Perseverance, and Fulfillment" into students.					
physica	 I. By integrating the "Five Disciplines" of education, the qualities of conduct, intelligence, physical education, teamwork, and beauty into the professional, core, and extracurricular curriculum, the department helps to produce well-rounded students skilled in identifying and solving problems. 					
	III. To oversee the trend and foresee the development of global economy, the department aims to produce the graduates with expertise in the fields of International Business and					
	Subject Departmental core competences					
 A. Breeding professionals with expertise in general International Trade and International Business.(ratio:50.00) 						
C. Producing graduates with capability of foreseeing and analyzing the development of Global Economy.(ratio:50.00)						
Subject Schoolwide essential virtues						
2. Information literacy. (ratio:50.00)						
5. Independent thinking. (ratio:50.00)						

Iı	Course	practica to end progra forward busines	al world. A variety of use users. This course will st mming, to show the pra- d from Weka/SAS to aut	of the academic world of statisticians to er friendly tools bring powerful analytical art with the tool called Weka, without any ctice of data analytics in the real world, an oml5.com, an Automatic Machine Learnin perience practical applications of analytic ies.	capabilities y nd move ng, to solve		
	The	correspo	ndences between the co	ourse's instructional objectives and the	cognitive, affective,		
		.		l psychomotor objectives.			
			objective methods amor nstructional objectives.	ng the cognitive, affective and psychomot	tor		
			-				
	-	-	-	s kinds of knowledge in the cognition of ocedures, outcomes, etc.			
II.	Affective : Em	phasis up	on the study of various k	kinds of knowledge in the course's appea	Ι,		
TIT			ude, conviction, values, e is upon the study of the	etc. course's physical activity and technical			
	-	nipulation					
		Teaching Objectives objective methods					
No.							
1	Analyze	data to generate information and knowledge that Cognitive					
		lead to informed decisions for businesses ow how business intelligence can be derived from data Cognitive					
2	wareho		itelligence can be derive		Cognitive		
3	Derive insig	erive insightful trends using data mining techniques Cognitive					
4	Apply the la	pply the latest in analytics technology in real world case studies in Cognitive					
	the areas of business, entertainment, climate change etc.						
The correspondences of teaching objectives : core competences, essential virtues, teaching methods, and assessment							
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No.	Core Compe	etences	Essential Virtues	Teaching Methods	Assessment		
1	AC		25	Lecture, Discussion, Publication, Practicum, Experience	Testing, Study Assignments,		
					Discussion(including classroom and online), Practicum,		
					Report(including oral and written)		

AC		25	Lecture, Discussion, Publication, Practicum, Experience	Testing, Discussion(including classroom and online), Practicum, Report(including oral and written)	
AC		25	Lecture, Discussion, Publication, Practicum, Experience	Testing, Discussion(including classroom and online), Practicum, Report(including oral and written)	
AC		25	Lecture, Discussion, Publication, Practicum, Experience	Testing, Discussion(including classroom and online), Practicum, Report(including oral and written)	
1			Course Schedule		
Date			Course Contents	Note	
110/02/22 ~ 110/02/28	Overview of the course				
110/03/01~ 110/03/07	1. What's it all about?				
110/03/08~ 110/03/14	1. What's it all about?				
110/03/15~ 110/03/21	2. Input: Concepts, instances, attributes				
110/03/22~ 110/03/28	3. Output: Knowledge representation				
110/03/29~ 110/04/04	National Holiday Class OFF				
110/04/05~ 110/04/11	4. Algorithms: The basic methods				
110/04/12~ 110/04/18	Working on midterm exercise (I)				
110/04/19~ 110/04/25	Working on midterm exercise (II)				
110/04/26~ 110/05/02	Midterm Exam Week				
110/05/03~ 110/05/09	5. Credibility: Evaluating what's been learned				
110/05/10~ 110/05/16	6. Trees and rules				
110/05/17~ 110/05/23	7. Extending instance-based and linear models				
110/05/24~ 110/05/30	8. Data transformations				
110/05/31~ 110/06/06	Final project presentation (I)				
110/06/07~ 110/06/13	Final project presentation (II)				
	AC AC AC AC AC AC AC AC AC AC	AC AC AC AC I10/02/22 ~ I10/02/22 ~ I10/03/07 1. What' I10/03/14 1. What' I10/03/22 ~ I10/03/14 1. What' I10/03/14 1. What' I10/03/22 ~ 10/03/14 1. What' I10/03/22 ~ 10/03/14 1. What' I10/03/22 ~ 10/03/23 110/03/26 ~ Morking I10/04/12 ~ Working I10/04/15 ~ 110/05/03 ~ 110/05/16 110/05/16 110/05/16 110/05/16 110/05/17 ~ 110/05/16 110/05/16 110/05/17 ~ 110/05/16 110/05/16 110/05/16 110/05/16 110/05/16 110/05/17 ~ 110/05/16 110/05/16 110/05/16 110/05	AC 25 AC 25 AC 25 Date 25 110/02/22~ Overview of the course 110/03/01~ 1. What' s it all about? 110/03/02~ 0.Verview of the course 110/03/01~ 1. What' s it all about? 110/03/01~ 1. What' s it all about? 110/03/02~ 3. Output: Knowledge rep 110/03/29~ National Holiday 110/04/14 Vorking on midterm exe 110/04/12~ Working on midterm exe 110/04/18 Working on midterm exe 110/04/19~ S. Credibility: Evaluating of 110/05/02~ 6. Trees and rules 110/05/10~ 6. Trees and rules 110/05/10~ 7. Extending instance-ba 110/05/10~ 8. Data transformations 110/05/24~ 8. Data transformations 110/05/21~ Final project presentation	AC 25 Lecture, Discussion, Publication, Practicum, Experience 100/02/27 25 Lecture, Discussion, Publication, Practicum, Experience 100/02/27 Overview of the course Course Schedule 100/02/27 0.vitre of the course Vitre of the course 110/02/28 0.vitre is it all about? Vitre of the course 110/03/27 0.vitre is it all about? Vitre of the course 110/03/27 0.vitre is it all about? Vitre of the course 110/03/27 0.vitre is it all about? Vitre of the course 110/03/27 0.vitre is it all about? Vitre of the course 110/03/27 0.vitre is noncels, instance-s tributes Vitre of the course 110/03/27 0.vitre is noncels (Vitre of the course Vitre of the course 110/03/27 0.vitre is non didere expresertation Vitre of the course 110/03/28 Vitre is non didere expresertation Vitre of the course 110/04/29 N	

17	110/06/14~ 110/06/20	Course Review and Future Perspective				
18	110/06/21~ 110/06/27	Final Exam Week				
Requirement		 * Instructor teaching website: https://sites.google.com/site/stevessschen/lecture We will start with Weka, a tool for data analysis and machine learning, and move forward from Weka/SAS to automl5.com, an Automatic Machine Learning, to solve business problems without writing any codes. Grading Policy: (Students who skip class 3 times will be flunked!) * Teaching philosophy: high flexibility, joyful atmosphere for learning, inspiring students, experienced teacher, students harvesting + networking. 				
Теа	aching Facility	Midterm and Final will be replaced by exercise and group report presentation. Computer, Projector				
	ooks and ing Materials	No Textbook! Instructor will write his own teaching material => https://sites.google.com/site/ntut4point0/products => see Cases Study in the web page formore info.				
F	References	Reference ONLY => ppt download => https://www.cs.waikato.ac.nz/ml/weka/book.html => We will ONLY cover a few chapters.				
	Number of signment(s)	(Filled in by assignment instructor only)				
	Grading Policy	 ♦ Attendance: % ♦ Mark of Usual: 30.0 % ♦ Midterm Exam: 30.0 % ♦ Final Exam: 40.0 % ♦ Other 〈 〉: % 				
	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. W Unauthorized photocopying is illegal. Using original textbooks is advised. It is a crime to improperly photocopy others' publications. 				
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