## Tamkang University Academic Year 110, 2nd Semester Course Syllabus

Course Title	INFORMATION VISUALIZATION	Instructor	CHIA-LING CHANG			
Course Class	TABXB2P DEPARTMENT OF INFORMATION AND LIBRARY SCIENCE, 2P	Details	<ul> <li>Blended Course</li> <li>Selective</li> <li>One Semester</li> <li>2 Credits</li> </ul>			
Relevance to SDGs	SDG8 Decent work and economic growth					
Departmental Aim of Education						
Our mission	Our mission is to educate and train library and information professionals.					
	Subject Departmental core competence	es				
<ul> <li>C. To understand concepts relating to information technology and systems, and be able to put them in use.(ratio:20.00)</li> <li>D. To acquire communication and coordination skills required for the information services. (ratio:40.00)</li> <li>F. To acquire professional skills to manage electronic documents and archives.(ratio:40.00)</li> </ul>						
Subject Schoolwide essential virtues						
<ol> <li>2. Information literacy. (ratio:40.00)</li> <li>5. Independent thinking. (ratio:20.00)</li> <li>7. A spirit of teamwork and dedication. (ratio:20.00)</li> <li>8. A sense of aesthetic appreciation. (ratio:20.00)</li> </ol>						
Course Introduction						

	The c	correspo		course's instructional objectives and t d psychomotor objectives.	he cognitive, affective,	
				ng the cognitive, affective and psychol	motor	
II.A	the o ffective : Emp mor Psychomotor:	course's hasis up als, attitu	veracity, conception, pr on the study of various ude, conviction, values, is upon the study of the	s kinds of knowledge in the cognition ocedures, outcomes, etc. kinds of knowledge in the course's app etc. course's physical activity and technica	peal,	
No.	Teaching Objectives				objective methods	
	Students will big data thinl		Cognitive			
2	Students will	be able t	Psychomotor			
3	3 Students will interpret and understand information visualization.			Cognitive		
	The c	orrespond	lences of teaching objectives	: core competences, essential virtues, teaching	methods, and assessment	
No.	Core Competences		Essential Virtues	Teaching Methods	Assessment	
1	CDF		2578	Lecture, Discussion	Testing, Study Assignments, Discussion(including classroom and online), Report(including oral and written), Activity Participation	
2	CDF		2578	Lecture, Discussion	Testing, Study Assignments, Discussion(including classroom and online), Report(including oral and written)	
3	CDF		2578	Lecture, Discussion	Study Assignments, Discussion(including classroom and online), Report(including oral and written)	
	Not	e for Blenc	led Course : When utilizing w	Course Schedule reekly digital instruction, please fill in "Online A	synchronous Instruction".	
Week	Date	Course Contents Note				
1	111/02/21~ 111/02/25	Introduction				
2	111/02/28 ~ 111/03/04	228 Memorial Day				
3	111/03/07~ 111/03/11	Information Visualization and Image Communication				

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4	111/03/14 ~ 111/03/18	Visualization in narrative statistics applications and examples	Online Asynchronous Instruction	
5	111/03/21~ 111/03/25	Visualization in inferential statistics applications and examples	Online Asynchronous Instruction	
6	111/03/28~ 111/04/01	Big Data analysis- interpreting and understanding data&Telling Stories with Data Visualization		
7	111/04/04 ~ 111/04/08	Spring Festival		
8	111/04/11~ 111/04/15	Midterm Group report 1		
9	111/04/18~ 111/04/22	Midterm Group report 2		
10	111/04/25~ 111/04/29	Midterm Exam Week		
11	111/05/02~ 111/05/06	Data processing with Excel	Online Asynchronous Instruction	
12	111/05/09~ 111/05/13	Quantitative chart with Excel and Tableau	Online Asynchronous Instruction	
13	111/05/16~ 111/05/20	Big data analysis and data exploration with Tableau		
14	111/05/23 ~ 111/05/27	Understand the meaning of the data through a variety of different visualization charts with Tableau		
15	111/05/30~ 111/06/03	Group report 1		
16	111/06/06~ 111/06/10	Group report 2		
17	111/06/13 ~ 111/06/17	Comprehensive discussion		
18	111/06/20~ 111/06/24	Final Exam Week		
Requirement		<ol> <li>Be sure to attend the first class. If you have any questions, please make a request in the first class.</li> <li>If you did not attend the first class, please do not select this class.</li> <li>The teaching method is English materials (slides, dataset, Tableau, not including Excel)</li> <li>Most oral teaching uses Chinese, and a small part uses English</li> <li>Each class has a classroom activity (assignments implementation), which accounts for 30% of the entire semester, and it must be completed even if you ask for leave.</li> <li>(if you have any questions, you can discuss them with the teacher.)</li> <li>There are no mid-term and final exams, and the assessments will be conducted in a midterm personal report and final group report.</li> </ol>		
		Computer		
Textbooks and Teaching Materials		資料視覺化製作充滿說服力的資訊圖表·歐萊禮出版。		
R	References			

Number of Assignment(s)	(Filled in by assignment instructor only)		
Grading Policy	<ul> <li>♦ Attendance: 10.0 % ◆ Mark of Usual: % ◆ Midterm Exam: 30.0 %</li> <li>♦ Final Exam: 30.0 %</li> <li>♦ Other ⟨assignments⟩: 30.0 %</li> </ul>		
Note	<ol> <li>This syllabus may be uploaded at the website of the Course Syllabus Management System at <u>https://info.ais.tku.edu.tw/csp</u> or through the link of the Course Syllabus Upload posted on the home page of the TKU Office of Academic Affairs <u>http://www.acad.tku.edu.tw/CS/main.php</u></li> <li>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."</li> <li>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.</li> </ol>		
	<ul> <li>Teaching Hours include course lectures, teacher-student interaction discussions, quizzes and other learning activities."</li> <li>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.</li> <li>* Unauthorized photocopying is illegal. Using original textbooks is advised. It is a crime to improperly photocopy others' publications.</li> </ul>		
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