

Tamkang University Academic Year 114, 2nd Semester Course Syllabus

Course Title	DIGITAL TECHNOLOGY AND AI APPLICATION	Instructor	CHEN, CHIH-YANG
Course Class	TLCAB1A DEPARTMENT OF BUSINESS ADMINISTRATION (ENGLISH-TAUGHT PROGRAM), 1A	Details	◆ General Course ◆ Required ◆ 2nd Semester ◆ 2 Credits
Relevance to SDGs	SDG4 Quality education		
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 . Acquisition of professional knowledge. II . Learning effective self-planning. III . Theoretical application of practical matters. IV . Interpersonal communication and teamwork. V . Analysis of problems and recommendations. VI . Awareness of Ethics as a global citizen.			
Subject Departmental core competences			
A. Students can demonstrate that they have program basic knowledge of business and management.(ratio:10.00) B. Students can demonstrate that they have capability in professional knowledge expression. (ratio:10.00) C. Students can demonstrate that they have capability in using information technology. (ratio:70.00) D. Students can demonstrate that they are critical thinkers.(ratio:10.00)			
Subject Schoolwide essential virtues			
1. A global perspective. (ratio:10.00) 2. Information literacy. (ratio:30.00) 3. A vision for the future. (ratio:5.00) 4. Moral integrity. (ratio:15.00) 5. Independent thinking. (ratio:25.00) 6. A cheerful attitude and healthy lifestyle. (ratio:5.00)			

7. A spirit of teamwork and dedication. (ratio:5.00)				
8. A sense of aesthetic appreciation. (ratio:5.00)				
Course Introduction	Use Excel and Power BI Desktop to learn data collation and analysis software.			
<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	Use Excel collation and analysis software			Psychomotor
The correspondences of teaching objectives : core competences, essential virtues, teaching methods, and assessment				
No.	Core Competences	Essential Virtues	Teaching Methods	Assessment
1	ABCD	12345678	Lecture	Testing
Course Schedule				
Week	Date	Course Contents		Note
1	115/02/23 ~ 115/03/01	Worsk Sheet edit, Cell text Edit. Cell Style.		
2	115/03/02 ~ 115/03/08	Column Row Hight set, cell formating.		
3	115/03/09 ~ 115/03/15	Insert Symbol, Conditional Formating.		
4	115/03/16 ~ 115/03/22	Basic formula Application, User define name.		
5	115/03/23 ~ 115/03/29	Insert picture, Smart Art, Object		

6	115/03/30 ~ 115/04/05	VLOOKUP, SUMIFS, COUNTIFS	
7	115/04/06 ~ 115/04/12	Auto Fill, edit fill, Protect Document	
8	115/04/13 ~ 115/04/19	Pivot Table and Chart	
9	115/04/20 ~ 115/04/26	midterm exam	
10	115/04/27 ~ 115/05/03	Microsoft Office Excel Certification Exam Questions and Answers	
11	115/05/04 ~ 115/05/10	Microsoft Office Excel Certification Exam Questions and Answers	
12	115/05/11 ~ 115/05/17	Microsoft Office Excel Certification Exam Questions and Answers	
13	115/05/18 ~ 115/05/24	Microsoft Office Excel Certification Exam Questions and Answers	
14	115/05/25 ~ 115/05/31	Microsoft Office Excel Certification Exam Questions and Answers	
15	115/06/01 ~ 115/06/07	Microsoft Office Excel Certification Exam Questions and Answers	
16	115/06/08 ~ 115/06/14	Final Week of Diverse Assessments	
17	115/06/15 ~ 115/06/21	Final Week of Diverse Assessments/Flexible Teaching Week for Teachers	
18	115/06/22 ~ 115/06/28	Flexible Teaching Week for Teachers	
Key capabilities			
Interdisciplinary			
Distinctive teaching			

Course Content	<p>Computer programming or Computer language (students have hands-on experience in related projects)</p> <p>Intellectual Property (learning intellectual property)</p> <p>Gender Equality Education</p> <p>Logical Thinking</p> <p>Environmental Safety</p> <p>Green Energy</p> <p>AI application</p> <p>Sustainability issue</p>
Requirement	
Textbooks and Teaching Materials	<p>Self-made teaching materials:Videos</p> <p>Using teaching materials from other writers:Presentations</p>
References	
Grading Policy	<p>◆ Attendance : 20.0 % ◆ Mark of Usual : 10.0 % ◆ Midterm Exam : 35.0 %</p> <p>◆ Final Exam : 35.0 %</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>