

Tamkang University Academic Year 114, 1st Semester Course Syllabus

Course Title	DIGITAL TECHNOLOGY AND AI APPLICATION	Instructor	NAIDA PARSAZADEH
Course Class	TLFBB1A DIVISION OF GLOBAL COMMERCE, DEPARTMENT OF INTERNATIONAL BUSINESS (ENGLISH-TAUGHT PROGRAM), 1A	Details	♦ General Course ♦ Required ♦ 1st Semester ♦ 2 Credits
Relevance to SDGs	SDG4 Quality education SDG8 Decent work and economic growth SDG9 Industry, Innovation, and Infrastructure SDG11 Sustainable cities and communities		
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	This course introduces students to the fundamental concepts of computers, information technology, and their applications in various fields. The course aims to equip students with a basic understanding of computer hardware, software, and their practical uses. Students will learn about computer systems, operating systems, productivity software, and digital literacy skills. The course also explores ethical considerations and security issues related to computer usage.			
<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	1.Understand the basic components and functions of computer systems. 2.Demonstrate proficiency in using common productivity software. 3.Utilize operating systems effectively for file management and basic system operations. 4Apply digital literacy skills to access, evaluate, and use information from various sources. 5.Identify ethical considerations and legal issues related to computer usage. 6. Recognize common computer security threats and employ basic security practices.			Cognitive
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, Discussion, Practicum	Testing, 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	Course Introduction		
2	114/09/22 ~ 114/09/28	Digital Technologies		
3	114/09/29 ~ 114/10/05	Internet and Web		
4	114/10/06 ~ 114/10/12	Computer Hardware		
5	114/10/13 ~ 114/10/19	Operating systems		
6	114/10/20 ~ 114/10/26	File Management		
7	114/10/27 ~ 114/11/02	Software and Apps		
8	114/11/03 ~ 114/11/09	Computer Security		
9	114/11/10 ~ 114/11/16	Midterm Exam Week		
10	114/11/17 ~ 114/11/23	Digital Media and Graphics		
11	114/11/24 ~ 114/11/30	Programming		
12	114/12/01 ~ 114/12/07	Web development		
13	114/12/08 ~ 114/12/14	Networking		
14	114/12/15 ~ 114/12/21	Digital Communication		
15	114/12/22 ~ 114/12/28	Final Presentation		
16	114/12/29 ~ 115/01/04	Final Week of Diverse Assessments		
17	115/01/05 ~ 115/01/11	Final Week of Diverse Assessments/Flexible Teaching Week for Teachers		
18	115/01/12 ~ 115/01/18	Flexible Teaching Week for Teachers		
Key capabilities				

Interdisciplinary	
Distinctive teaching	
Course Content	Computer programming or Computer language (students have hands-on experience in related projects) Logical Thinking AI application
Requirement	
Textbooks and Teaching Materials	Self-made teaching materials:Textbooks, Presentations
References	
Grading Policy	<p>◆ Attendance : 10.0 % ◆ Mark of Usual : 20.0 % ◆ Midterm Exam : 20.0 %</p> <p>◆ Final Exam : 10.0 %</p> <p>◆ Other 〈Final Project〉 : 40.0 %</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>