

## Tamkang University Academic Year 113, 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	<ul style="list-style-type: none"> <li>◆ General Course</li> <li>◆ Required</li> <li>◆ 1st Semester</li> <li>◆ 2 Credits</li> </ul>
Relevance to SDGs	SDG9 Industry, Innovation, and Infrastructure		
<b>Departmental Aim of Education</b>			
<ul style="list-style-type: none"> <li>I. Acquisition of professional knowledge.</li> <li>II. Learning effective self-planning.</li> <li>III. Theoretical application of practical matters.</li> <li>IV. Interpersonal communication and teamwork.</li> <li>V. Analysis of problems and recommendations.</li> <li>VI. Awareness of Ethics as a global citizen.</li> </ul>			
<b>Subject Departmental core competences</b>			
<ul style="list-style-type: none"> <li>A. Students can demonstrate that they have program basic knowledge of business and management.(ratio:10.00)</li> <li>B. Students can demonstrate that they have capability in professional knowledge expression. (ratio:10.00)</li> <li>C. Students can demonstrate that they have capability in using information technology. (ratio:70.00)</li> <li>D. Students can demonstrate that they are critical thinkers.(ratio:10.00)</li> </ul>			
<b>Subject Schoolwide essential virtues</b>			
<ul style="list-style-type: none"> <li>1. A global perspective. (ratio:10.00)</li> <li>2. Information literacy. (ratio:30.00)</li> <li>3. A vision for the future. (ratio:5.00)</li> <li>4. Moral integrity. (ratio:15.00)</li> <li>5. Independent thinking. (ratio:25.00)</li> <li>6. A cheerful attitude and healthy lifestyle. (ratio:5.00)</li> </ul>			

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.

**The correspondences between the course's instructional objectives and the cognitive, affective, and psychomotor objectives.**

Differentiate the various objective methods among the cognitive, affective and psychomotor domains of the course's instructional objectives.

I. Cognitive : Emphasis upon the study of various kinds of knowledge in the cognition of the course's veracity, conception, procedures, outcomes, etc.

II.Affective : Emphasis upon the study of various kinds of knowledge in the course's appeal, morals, attitude, conviction, values, etc.

III.Psychomotor: Emphasis upon the study of the course's physical activity and technical manipulation.

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	Study Assignments, Discussion(including classroom and online), Practicum, Report(including oral and written)
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Course Schedule

Week	Date	Course Contents	Note
1	113/09/09 ~ 113/09/15	Course Introduction	
2	113/09/16 ~ 113/09/22	Digital Technologies	
3	113/09/23 ~ 113/09/29	Internet and Web	
4	113/09/30 ~ 113/10/06	Computer Hardware	
5	113/10/07 ~ 113/10/13	Operating systems	
6	113/10/14 ~ 113/10/20	File Management	
7	113/10/21 ~ 113/10/27	Software and Apps	
8	113/10/28 ~ 113/11/03	Computer Security	
9	113/11/04 ~ 113/11/10	Midterm Exam Week	
10	113/11/11 ~ 113/11/17	Digital Media and Graphics	
11	113/11/18 ~ 113/11/24	Programming	
12	113/11/25 ~ 113/12/01	Web development	
13	113/12/02 ~ 113/12/08	Networking	
14	113/12/09 ~ 113/12/15	Digital Communication	
15	113/12/16 ~ 113/12/22	Final Presentation	
16	113/12/23 ~ 113/12/29	Final Presentation	
17	113/12/30 ~ 114/01/05	Final Exam Week	
18	114/01/06 ~ 114/01/12	Flex week, learning activities should be arranged.	

Key capabilities

Interdisciplinary	
Distinctive teaching	
Course Content	Logical Thinking AI application
Requirement	
Textbooks and Teaching Materials	Self-made teaching materials:Textbooks, Presentations
References	
Grading Policy	<ul style="list-style-type: none"> <li>◆ Attendance : 10.0 %</li> <li>◆ Mark of Usual : 20.0 %</li> <li>◆ Midterm Exam : 20.0 %</li> <li>◆ Final Exam : 10.0 %</li> <li>◆ Other 〈Presentation〉 : 40.0 %</li> </ul>
Note	<p>This syllabus may be uploaded at the website of Course Syllabus Management System at <a href="http://info.ais.tku.edu.tw/csp">http://info.ais.tku.edu.tw/csp</a> or through the link of Course Syllabus Upload posted on the 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>.</p> <p><b>※ Unauthorized photocopying is illegal. Using original textbooks is advised. It is a crime to improperly photocopy others' publications.</b></p>