

Tamkang University Academic Year 107, 1st Semester Course Syllabus

Course Title	INTRODUCTION TO COMPUTERS	Instructor	LIOU, AY-HWA ANDY
Course Class	TLFBB1A DIVISION OF GLOBAL COMMERCE, DEPARTMENT OF INTERNATIONAL BUSINESS (ENGLISH- TAUGHT PROGRAM), 1A	Details	<ul style="list-style-type: none"> ◆ Required ◆ 1st Semester ◆ 2 Credits
Departmental Aim of Education			
<ul style="list-style-type: none"> 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. 			
Departmental core competences			
<ul style="list-style-type: none"> A. Students can demonstrate that they have program basic knowledge of business and management. B. Students can demonstrate that they have capability in professional knowledge expression. C. Students can demonstrate that they have capability in using information technology. D. Students can demonstrate that they are critical thinkers. 			
Course Introduction	<p>The course is designed for freshmen, not only to enhance their computer knowledge, including programming, network management, network communications, multimedia, video graphics and others, but also to improve their abilities for obtaining desired information from Internet. At the same time, related topics, like e-commerce, computer virus and information security, are introduced such that students can have enough skills for further investigating and learning more advanced techniques or applications. Finally, students can apply those abilities and skills to their daily life.</p>		

The Relevance among Teaching Objectives, Objective Levels and Departmental core competences

I. Objective Levels (select applicable ones) :

- (i) Cognitive Domain : C1-Remembering, C2-Understanding, C3-Applying,
C4-Analyzing, C5-Evaluating, C6-Creating
- (ii) Psychomotor Domain : P1-Imitation, P2-Mechanism, P3-Independent Operation,
P4-Linked Operation, P5-Automation, P6-Origination
- (iii) Affective Domain : A1-Receiving, A2-Responding, A3-Valuing,
A4-Organizing, A5-Characterizing, A6-Implementing

II. The Relevance among Teaching Objectives, Objective Levels and Departmental core competences :

- (i) Determine the objective level(s) in any one of the three learning domains (cognitive, psychomotor, and affective) corresponding to the teaching objective. Each objective should correspond to the objective level(s) of ONLY ONE of the three domains.
- (ii) If more than one objective levels are applicable for each learning domain, select the highest one only. (For example, if the objective levels for Cognitive Domain include C3, C5, and C6, select C6 only and fill it in the boxes below. The same rule applies to Psychomotor Domain and Affective Domain.)
- (iii) Determine the Departmental core competences that correspond to each teaching objective. Each objective may correspond to one or more Departmental core competences at a time. (For example, if one objective corresponds to three Departmental core competences: A, AD, and BEF, list all of the three in the box.)

No.	Teaching Objectives	Relevance	
		Objective Levels	Departmental core competences
1	1. Development of information literacy.	C5	C
2	2. Development of computer skills	C3	C
3	3. Building up information ethics	A5	C
4	4. Training of independent thinking.	C4	C
5	5. Development of teamwork and dedication	P4	C

Teaching Objectives, Teaching Methods and Assessment

No.	Teaching Objectives	Teaching Methods	Assessment
1	1. Development of information literacy.	Lecture, Discussion	Written test, Report, Participation
2	2. Development of computer skills	Lecture, Discussion	Written test, Report, Participation
3	3. Building up information ethics	Lecture, Discussion	Written test, Report
4	4. Training of independent thinking.	Lecture, Discussion	Written test, Participation
5	5. Development of teamwork and dedication	Lecture, Discussion	Written test, Report

This course has been designed to cultivate the following essential qualities in TKU students

Essential Qualities of TKU Students	Description
◇ A global perspective	Helping students develop a broader perspective from which to understand international affairs and global development.
◆ Information literacy	Becoming adept at using information technology and learning the proper way to process information.
◇ A vision for the future	Understanding self-growth, social change, and technological development so as to gain the skills necessary to bring about one's future vision.
◇ Moral integrity	Learning how to interact with others, practicing empathy and caring for others, and constructing moral principles with which to solve ethical problems.
◇ Independent thinking	Encouraging students to keenly observe and seek out the source of their problems, and to think logically and critically.
◇ A cheerful attitude and healthy lifestyle	Raising an awareness of the fine balance between one's body and soul and the environment; helping students live a meaningful life.
◇ A spirit of teamwork and dedication	Improving one's ability to communicate and cooperate so as to integrate resources, collaborate with others, and solve problems.
◇ A sense of aesthetic appreciation	Equipping students with the ability to sense and appreciate aesthetic beauty, to express themselves clearly, and to enjoy the creative process.

Course Schedule

Week	Date	Subject/Topics	Note
1	107/09/10~ 107/09/16	Course Introduction	
2	107/09/17~ 107/09/23	Information Systems, Software, Hardware, Data and Connectivity	Chapter 1
3	107/09/24~ 107/09/30	Holiday (Moon Festival)	
4	107/10/01~ 107/10/07	The Internet and the Web	Chapter 2
5	107/10/08~ 107/10/14	Electronic Commerce	Chapter 2
6	107/10/15~ 107/10/21	Python Programming I	
7	107/10/22~ 107/10/28	Application Software	Chapter 3
8	107/10/29~ 107/11/04	Mobile Apps and Cloud Computing	Chapter 3
9	107/11/05~ 107/11/11	Operating Systems	Chapter 4
10	107/11/12~ 107/11/18	Midterm Exam Week	
11	107/11/19~ 107/11/25	Python Programming	
12	107/11/26~ 107/12/02	Utilities and Drivers	Chapter 4

13	107/12/03 ~ 107/12/09	The System Unit -- System Board and Microprocessor	Chapter 5
14	107/12/10 ~ 107/12/16	The System Unit -- Memory and Ports, Data and Instructions	Chapter 5
15	107/12/17 ~ 107/12/23	Python Programming III	
16	107/12/24 ~ 107/12/30	Input and Output	Chapter 6
17	107/12/31 ~ 108/01/06	Input and Output	Chapter 6
18	108/01/07 ~ 108/01/13	Final Exam Week	
Requirement	Mark of usual will be given by TA. Cannot accept late turn-in for homework or quiz.		
Teaching Facility	Computer, Projector		
Textbook(s)	Computing Essentials 2019, Complete Edition, by Timothy J. O'Leary / Linda I. O'Leary/Daniel A. O'Leary, McGraw-Hill		
Reference(s)			
Number of Assignment(s)	6 (Filled in by assignment instructor only)		
Grading Policy	<p>◆ Attendance : 5.0 % ◆ Mark of Usual : 10.0 % (Information Proficiency Test Included)</p> <p>◆ Midterm Exam : 25.0 % ◆ Final Exam : 30.0 %</p> <p>◆ Other < HW20% Quiz10% > : 30.0 %</p>		
Note	<p>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 .</p> <p>※ Unauthorized photocopying is illegal. Using original textbooks is advised. It is a crime to improperly photocopy others' publications.</p>		