Tamkang University Academic Year 106, 2nd Semester Course Syllabus

Course Title	INTRODUCTION TO COMPUTERS	Instructor	LIN IN-HO
Course Class	TGVOB1A INFORMATION EDUCATION, 1A	Details	◆ Required ◆ One Semester ◆ 2 Credits

Academic Aim of Education

Ⅰ. Development of information literacy.

Ⅱ. Development of computer skills.

Ⅲ. Building up information ethics.

Ⅳ. Training of independent thinking.

Schoolwide essential virtues

A. A global perspective.

B. Information literacy.

C. A vision for the future.

D. Moral integrity.

E. Independent thinking.

F. A cheerful attitude and healthy lifestyle.

G. A spirit of teamwork and dedication.

H. A sense of aesthetic appreciation.

Course Introduction	This course provides a general background on computers today: what is a computer, what is Today's technologies, what is hardware and software, what is the internet, network communications, and what are programs and Apps. Students will finish the course with a solid understanding of computers, how to use computers, and how to access information on the Web. Topics included are: .Today's Technologies .Computers and Mobile Devices .Programs and Apps .Digital Safety and Security .Inside Computers and Mobile Devices .Operating Systems .Working in the Enterprise

The Relevance among Teaching Objectives, Objective Levels and Schoolwide essential virtues

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-Charaterizing,   A6-Implementing

II.The Relevance among Teaching Objectives, Objective Levels and Schoolwide essential virtues :
 (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 Schoolwide essential virtues that correspond to each teaching objective.
     Each objective may correspond to one or more Schoolwide essential virtues at a time.
     (For example, if one objective corresponds to three Schoolwide essential virtues: A,AD,
     and BEF, list all of the three in the box.)

No.	Teaching Objectives	Relevance	
		Objective Levels	Schoolwide essential virtues
1	• Present the most-up-to-date technology in an ever-changing discipline • Give students an in-depth understanding of why computers are essential components in business and society • Teach the fundamentals of computers and computer nomenclature, particularly with respect to personal computer hardware and software, and the Web	C2	AB
2	To understand the framework and operations of Operating Systems	C3	ABC
3	To understand how to use mobile devices and computing technology on their study and future jobs	P3	BCE

Teaching Objectives, Teaching Methods and Assessment

No.	Teaching Objectives	Teaching Methods	Assessment

1	• Present the most-up-to-date technology in an ever-changing discipline • Give students an in-depth understanding of why computers are essential components in business and society • Teach the fundamentals of computers and computer nomenclature, particularly with respect to personal computer hardware and software, and the Web	Lecture, Discussion	Written test, Report, Participation
2	To understand the framework and operations of Operating Systems	Lecture, Discussion	Written test, Report, Participation
3	To understand how to use mobile devices and computing technology on their study and future jobs	Lecture, Discussion	Written test, Report, Participation

Course Schedule

Week	Date	Subject/Topics	Note
1	107/02/26～ 107/03/04	Introduction to the course	
2	107/03/05～ 107/03/11	Digital Literacy: Introducing Today's Technology	HW.#1
3	107/03/12～ 107/03/18	Connecting and Communicating Online (1): The Internet	Quiz1
4	107/03/19～ 107/03/25	Connecting and Communicating Online (2): Websites and Media	HW.#2
5	107/03/26～ 107/04/01	Computers and Mobile Devices(1): Evaluating Options for Home	Quiz 2,
6	107/04/02～ 107/04/08	Computers and Mobile Devices(2)：Evaluating Options for Work	HW.#3
7	107/04/09～ 107/04/15	Programs and Apps (1): Productivities, Graphics, Security, and Other Tools	Quiz 3
8	107/04/16～ 107/04/22	教學行政觀摩日	
9	107/04/23～ 107/04/29	Digital Security, Ethics, and Privacy: Threats, Issues, and Defenses	
10	107/04/30～ 107/05/06	Midterm Exam Week	

11	107/05/07 ~ 107/05/13	Input and Output: Extending Capabilities of Computers and Mobile Devices	HW.#4
12	107/05/14 ~ 107/05/20	Digital Storage:Preserving Content Locally and on the Cloud	Quiz #4
13	107/05/21 ~ 107/05/27	Operating Systems (1):Managing, Coordinating	HW.#5
14	107/05/28 ~ 107/06/03	Operating Systems (2): Monitoring Resources	Quiz #5
15	107/06/04 ~ 107/06/10	Communicating Digital Content:Wired and Wireless Networks and Devices	HW.#6
16	107/06/11 ~ 107/06/17	Building Solutions:Database Stsrems, and Application Development Tools	Quiz #6
17	107/06/18 ~ 107/06/24	Working in The Enterprise:Systems, Certifications, and Carrers	
18	107/06/25 ~ 107/07/01	Final Exam Week	

Requirement	
Teaching Facility	Computer, Projector
Textbook(s)	"Discovering Computers 2018, Digital Technology, Data, and Devices" by Vermaat, Sebok (歐亞書局 Eurasia Book Co.)
Reference(s)	
Number of Assignment(s)	**6** (Filled in by assignment instructor only)
Grading Policy	◆ Attendance： 10.0 % ◆ Mark of Usual：30.0 % ◆ Midterm Exam： 20.0 % ◆ Final Exam： 20.0 % ◆ Other〈HW, GroupProject〉：20.0 %
Note	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 . ※ **Unauthorized photocopying is illegal. Using original textbooks is advised. It is a crime to improperly photocopy others' publications.**