Course Title	INTRODUCTION TO COMPUTERS	Instructor	FU-YI HUNG
Course Class	TGVOB0B INFORMATION EDUCATION, 0B	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 an introductory survey of computer science. Progress of this course follows a bottom-up arrangement of subjects that proceeds from the concrete to the abstract. Course materials in this semester includes Hardware Basic, Software Basic, Networking and Internet, Computer Security and Intellectual Property Rights.

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	To understand how hardware units work in computers	C3	BDE
2	To understand how system software coordinates computer's internal activities	C3	BDE
3	To understand how computers constitute networks and share information	C3	BDE
4	To understand how security services prevent computers from attacks and understand what is intellectual property rights	C4	BDE

Teaching Objectives, Teaching Methods and Assessment

No.	Teaching Objectives	Teaching Methods	Assessment
1	To understand how hardware units work in computers	Lecture	Written test
2	To understand how system software coordinates computer's internal activities	Lecture	Written test
3	To understand how computers constitute networks and share information	Lecture	Written test
4	To understand how security services prevent computers from attacks and understand what is intellectual property rights	Lecture	Written test

Week	Date	Subject/Topics	Note
Course Schedule			
1	108/02/18~108/02/24	Introducing Today's Technologies	
2	108/02/25~108/03/03	Introducing Today's Technologies	
3	108/03/04~108/03/10	Connecting And Communicating Online	
4	108/03/11~108/03/17	Computers And Mobile Devices	
5	108/03/18~108/03/24	Programs And Apps	
6	108/03/25~108/03/31	Digital Security, Ethics, And Privacy	
7	108/04/01~108/04/07	Digital Security, Ethics, And Privacy	
8	108/04/08~108/04/14	Computing Components	
9	108/04/15~108/04/21	Computing Components	
10	108/04/22~108/04/28	Midterm Exam Week	
11	108/04/29~108/05/05	Input And Output	
12	108/05/06~108/05/12	Digital Storage	
13	108/05/13~108/05/19	Operating Systems	
14	108/05/20~108/05/26	Operating Systems	
15	108/05/27~108/06/02	Communicating Digital Content	
16	108/06/03~108/06/09	Communicating Digital Content	
17	108/06/10~108/06/16	Building Solutions	
18	108/06/17~108/06/23	Final Exam Week	

Requirement	Cheating or plagiarism will receive a semester grade of zero for this course. 作弊或抄襲者學期總成績為零分。
Teaching Facility	Computer, Projector
Textbook(s)	"Computer Science 2016", by M. Vermaat, S. Sebok, S. Freund, J. Campbell, M. Frydenberg, Cengage Learning, 1st Edition, 2016
Reference(s)	

Number of Assignment(s)	(Filled in by assignment instructor only)
Grading Policy	◆ Attendance： ％ ◆ Mark of Usual：46.0 ％ ◆ Midterm Exam：27.0 ％ ◆ Final Exam： 27.0 ％ ◆ Other〈 〉： ％
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.**