Tamkang University Academic Year 102, 1st Semester Course Syllabus

Course Title	INTRODUCTION TO COMPUTER SCIENCE	Instructor	LIN IN-HO
Course Class	TPGXB1A DEPARTMENT OF GLOBAL POLITICAL ECONOMY, 1A	Details	◆ Required ◆ One Semester ◆ 2 Credits

Academic teaching objectives

This is an introductory course of computer science. After completing this course, students should develop computer ethics, fundamental knowledge and ability to use computers efficiently and to meet the global information technology trends.

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	Students will finish the course with a solid understanding of computers, how to use computers, and how to access information on the Web. No experience with computers is assumed.

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 • Provide exercises, lab assignments, and interactive learning activities that allow students to learn by actually using the computer and the Web	C3	ABCG

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 • Provide exercises, lab assignments, and interactive learning activities that allow students to learn by actually using the computer and the Web	Lecture, Discussion, Practicum	Written test, Practicum, Report, Participation

Course Schedule			
Week	Date	Subject/Topics	Note
1	102/09/16~ 102/09/22	Introduction to the course	
2	102/09/23~ 102/09/29	Basic Introduction to Computers (1)。Lab.:Introduction to team project	
3	102/09/30~ 102/10/06	Basic Introduction to Computers (2)。Lab.:How to use Microsoft word(1).	
4	102/10/07~ 102/10/13	Fundamental of the World Wide Web and Internet(1)。Lab.:How to use Microsoft word.(2)	
5	102/10/14~ 102/10/20	Fundamental of the World Wide Web and Internet(2)。Lab.:How to use Microsoft Powerpoint.(1)	
6	102/10/21~ 102/10/27	Fundamental of the World Wide Web and Internet(3)。Lab.:How to use Microsoft Powerpoint.(2)	
7	102/10/28~ 102/11/03	Fundamental of the World Wide Web and Internet(3)。Lab.:How to use Microsoft Powerpoint.(3)	
8	102/11/04~ 102/11/10	Software for Systems(1)。Lab.:	
9	102/11/11~ 102/11/17	Software for Systems(2)。Lab.:	
10	102/11/18~ 102/11/24	Midterm Exam Week	
11	102/11/25~ 102/12/01	System Unit Components(1)。Lab.:	

12	102/12/02~ 102/12/08	System Unit Components(2)。Lab.:	
13	102/12/09~ 102/12/15	Understanding Input (1)。Lab.:	
14	102/12/16~ 102/12/22	Understanding Input (2)。Lab.:	
15	102/12/23~ 102/12/29	Understanding Output (1)。Lab.:	
16	102/12/30~ 103/01/05	Understanding Output (2)。Lab.:	
17	103/01/06~ 103/01/12	Type of Storage	
18	103/01/13~ 103/01/19	Final Exam Week	

Requirement	
Teaching Facility	Computer, Projector
Textbook(s)	"Discovering Computers, Complete:Your Interactive Guide to the Digital World" by Gary Shelly (歐亞書局 Eurasia Book Co.)
Reference(s)	
Number of Assignment(s)	**4** (Filled in by assignment instructor only)
Grading Policy	◆ Attendance： 20.0 % ◆ Mark of Usual：20.0 % ◆ Midterm Exam： 20.0 % ◆ Final Exam： 20.0 % ◆ Other〈Project〉：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.**