

## Tamkang University Academic Year 103, 2nd Semester Course Syllabus

Course Title	DATA PROCESSING	Instructor	LEI YING-HUI
Course Class	TQAXB1A DEPARTMENT OF ENGLISH LANGUAGE AND CULTURE (ENGLISH-TAUGHT PROGRAM), 1A	Details	<ul style="list-style-type: none"> <li>◆ Required</li> <li>◆ One Semester</li> <li>◆ 2 Credits</li> </ul>
Academic Aim of Education			
<p>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.</p>			
Schoolwide essential virtues			
<ul style="list-style-type: none"> <li>A. A global perspective.</li> <li>B. Information literacy.</li> <li>C. A vision for the future.</li> <li>D. Moral integrity.</li> <li>E. Independent thinking.</li> <li>F. A cheerful attitude and healthy lifestyle.</li> <li>G. A spirit of teamwork and dedication.</li> <li>H. A sense of aesthetic appreciation.</li> </ul>			
Course Introduction	<p>The course is aimed to establish the further comprehension regarding computer science, and to enhance the understanding to the hardware, programming, operation of application software, and networks and Internet.</p>		

**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	1.To make students learn the fundamental concept in information technology. 2.To make students motivated effectively by seeking statistics at work in real problems, cases and term projects. 3.Students learn what Network and Internet are. Besides, students will also be familiar some famous protocols and languages for networks. 4.Enhance the ability of students in reading English technical articles in computer science. C2 BCEG 教	C3	ABCE

**Teaching Objectives, Teaching Methods and Assessment**

No.	Teaching Objectives	Teaching Methods	Assessment

1	<p>1.To make students learn the fundamental concept in information technology.</p> <p>2.To make students motivated effectively by seeking statistics at work in real problems, cases and term projects.</p> <p>3.Students learn what Network and Internet are. Besides, students will also be familiar some famous protocols and languages for networks.</p> <p>4.Enhance the ability of students in reading English technical articles in computer science.</p> <p>C2 BCEG 教</p>	Lecture, Discussion, Practicum, Problem solving, ....	Practicum, Report, Participation, ....
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Course Schedule

Week	Date	Subject/Topics	Note
1	104/02/24 ~ 104/03/01	Hardware basics: inside the box & peripherals	
2	104/03/02 ~ 104/03/08	Database applications and privacy implications	
3	104/03/09 ~ 104/03/15	Graphics, digital media, and multimedia	
4	104/03/16 ~ 104/03/22	Networking and digital communication	
5	104/03/23 ~ 104/03/29	Computer security and risks	
6	104/03/30 ~ 104/04/05	Electronic commerce and E-business	
7	104/04/06 ~ 104/04/12	Practice of MS Excel	
8	104/04/13 ~ 104/04/19	Practice of MS Excel	
9	104/04/20 ~ 104/04/26	Practice of MS Excel	
10	104/04/27 ~ 104/05/03	Midterm Exam Week	
11	104/05/04 ~ 104/05/10	Operation for Dreamweaver	
12	104/05/11 ~ 104/05/17	Operation for Dreamweaver	
13	104/05/18 ~ 104/05/24	Operation for Dreamweaver	

14	104/05/25 ~ 104/05/31	Operation for Dreamweaver	
15	104/06/01 ~ 104/06/07	Operation for Dreamweaver	
16	104/06/08 ~ 104/06/14	Presentation of term project	
17	104/06/15 ~ 104/06/21	Presentation of term project	
18	104/06/22 ~ 104/06/28	Final Exam Week	
Requirement			
Teaching Facility	Computer, Projector		
Textbook(s)			
Reference(s)			
Number of Assignment(s)	(Filled in by assignment instructor only)		
Grading Policy	◆ Attendance :            %    ◆ Mark of Usual :            %    ◆ Midterm Exam :            % ◆ Final Exam :            % ◆ Other <..... > : 100.0 %		
Note	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> . <b>※ Unauthorized photocopying is illegal. Using original textbooks is advised. It is a crime to improperly photocopy others' publications.</b>		