Tamkang University Academic Year 103, 2nd Semester Course Syllabus

Course Title	INTRODUCTION TO COMPUTERS	Instructor	SHIH-HAO CHANG
Course Class	TGUYB0A GENERAL EDUCATION CURRICULUM, 0A	Details	◆ Required ◆ 2nd 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.

Ⅴ. Development of teamwork and dedication.

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	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.

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. Development of information literacy.	C5	BDEG
2	2. Development of computer skills	C4	D
3	3. Building up information ethics	C5	BEG
4	4. Training of independent thinking.	P3	BEG
5	5. Development of teamwork and dedication	C6	BDEG

Teaching Objectives, Teaching Methods and Assessment

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

Course Schedule

Week	Date	Subject/Topics	Note

1	104/02/24 ~ 104/03/01	Chapter 1 - Multimedia (Sound)	
2	104/03/02 ~ 104/03/08	Chapter 2 - Multimedia (Audio)	
3	104/03/09 ~ 104/03/15	Chapter 3 - Multimedia (Video)	
4	104/03/16 ~ 104/03/22	Chapter 4 - Artificial Intelligence	
5	104/03/23 ~ 104/03/29	Chapter 5 - Multimedia recognition technology	
6	104/03/30 ~ 104/04/05	Chapter 6 - Information Security	
7	104/04/06 ~ 104/04/12	Chapter 7 - Network and system security 1	
8	104/04/13 ~ 104/04/19	Chapter 8 - Network and system security 2	
9	104/04/20 ~ 104/04/26	Chapter 9 - Computer Arithmetic	
10	104/04/27 ~ 104/05/03	Midterm Exam Week	
11	104/05/04 ~ 104/05/10	Chapter 10 - Database and Information Systems	
12	104/05/11 ~ 104/05/17	Chapter 11 - Database and Information Systems	
13	104/05/18 ~ 104/05/24	Chapter 12 - Cyber Week	
14	104/05/25 ~ 104/05/31	Chapter 13 - Ethical and Legal Information	
15	104/06/01 ~ 104/06/07	Chapter14 - Final results of share I	
16	104/06/08 ~ 104/06/14	Chapter 15 - Final results of share II	
17	104/06/15 ~ 104/06/21	Chapter 16 - Final results of share III	
18	104/06/22 ~ 104/06/28	Final Exam Week	

Requirement	
Teaching Facility	Computer, Projector
Textbook(s)	Introduction to Computers Version: 2014 Author: Tamkang University Publisher: Gotop
Reference(s)	

Number of Assignment(s)	(Filled in by assignment instructor only)
Grading Policy	◆ Attendance： 30.0 % ◆ Mark of Usual：20.0 % (Information Proficiency Test Included) ◆ Midterm Exam： 25.0 % ◆ Final Exam： 25.0 % ◆ 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.**