

Tamkang University Academic Year 102, 1st Semester Course Syllabus

Course Title	INTRODUCTION TO COMPUTER SCIENCE	Instructor	WU JIINPO
Course Class	TPVXB1A DEPARTMENT OF INTERNATIONAL TOURISM MANAGEMENT, 1A	Details	<ul style="list-style-type: none"> ◆ Required ◆ One Semester ◆ 2 Credits
Academic teaching objectives			
<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"> 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	<p>This course provides students to learn basic through advanced computer concepts with an emphasis on both the personal computer and enterprise computing. Topics include hardware, application and system software, the Internet and World Wide Web, communications, e-commerce, societal issues, database management, systems analysis and design, programming, information systems, career opportunities, certifications in the computer field, and computer trends.</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	Present the most-up-to-date technology in an ever-changing discipline.	C5	ABCDG
2	Give students an in-depth understanding of why computers are essential components in business and society	C4	ABCDEG
3	Teach the fundamentals of computers and computer nomenclature, particularly with respect to personal computer hardware and software and the Web	C2	ABCDG
4	Assist students in planning a career.	C5	ABCDEFGH

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.	CLIL	Written test, Report, Participation
2	Give students an in-depth understanding of why computers are essential components in business and society	CLIL	Written test, Report, Participation

3	Teach the fundamentals of computers and computer nomenclature, particularly with respect to personal computer hardware and software and the Web	CLIL	Written test, Report, Participation
4	Assist students in planning a career.	CLIL	Written test, Report, Participation

Course Schedule

Week	Date	Subject/Topics	Note
1	102/09/16 ~ 102/09/22	Course Introduction	Syllabus
2	102/09/23 ~ 102/09/29	Computers Fundamentals, Types of Computers	Chapter 1
3	102/09/30 ~ 102/10/06	Word 2010 Basics	Handout I
4	102/10/07 ~ 102/10/13	How Computers Represent Data? Introduction to System Unit	Chapter 2
5	102/10/14 ~ 102/10/20	Inside the System Unit, What's On the Motherboard	Chapter 2
6	102/10/21 ~ 102/10/27	Document Design, Templates and Themes, Pagination, Layout	Handout II
7	102/10/28 ~ 102/11/03	Input Devices--Giving Commands, Output Devices--Engaging Our Senses	Chapter 3
8	102/11/04 ~ 102/11/10	Creating Global Content	Handout III
9	102/11/11 ~ 102/11/17	Computer Ethics	Spotlight I
10	102/11/18 ~ 102/11/24	Midterm Exam Week	
11	102/11/25 ~ 102/12/01	Systems Utilities--Housekeeping Tools	Chapter 4
12	102/12/02 ~ 102/12/08	SmartArt Diagram and Charts, Pictures and Screenshots	Handout IV
13	102/12/09 ~ 102/12/15	Application Software--Tools for Productivity	Chapter 5
14	102/12/16 ~ 102/12/22	The Internet and The World Wide Web	Chapter 6
15	102/12/23 ~ 102/12/29	Word 2010 As a Team Effort, Anywhere, Always	Handout V
16	102/12/30 ~ 103/01/05	E-Commerce	Chapter 6
17	103/01/06 ~ 103/01/12	Buying and Upgrading a Computer Systems	Spotlight III
18	103/01/13 ~ 103/01/19	Final Exam Week	

Requirement	<p>Missed Classes: The student is responsible for obtaining material distributed on class days when he/she was absent. This can be done through contacting a classmate who was present or by contacting the instructor during his office hours or other times.</p> <p>Assignments: All lab assignments are due at the end of class. Late submission of lab assignments will not be allowed, even if students are on official leave. All other assignments are due at the beginning of class on the date due. Late submission of assignments will be assessed a penalty of 10% per day. No exceptions are made.</p>
Teaching Facility	Computer
Textbook(s)	LaBerta, Catherine (2012). Computers Are Your Future. Complete, Boston, MA: Pearson Educational International.
Reference(s)	
Number of Assignment(s)	6 (Filled in by assignment instructor only)
Grading Policy	<p>◆ Attendance : 10.0 % ◆ Mark of Usual : % ◆ Midterm Exam : 25.0 %</p> <p>◆ Final Exam : 25.0 %</p> <p>◆ Other (Assn, Participation) : 40.0 %</p>
Note	<p>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.</p> <p>※ Unauthorized photocopying is illegal. Using original textbooks is advised. It is a crime to improperly photocopy others' publications.</p>