Tamkang University Academic Year 102, 2nd Semester Course Syllabus

Course Title	DATA PROCESSING	Instructor	WU JIINPO
Course Class	TPVXB1A DEPARTMENT OF INTERNATIONAL TOURISM MANAGEMENT, 1A	Details	◆ Required ◆ One Semester ◆ 2 Credits

Academic Aim of Education

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	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.

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	ABC
2	Give students an in-depth understanding of why computers are essential compoents in business and society	C5	ABCGH
3	Teach the fundamentals of computers and computer nomenclature, particularly with respect to personal computer hardware and software and the Web	C3	ABCEGH
4	Assist students in planning a career.	A6	ABCDE

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.	Lecture, Practicum	Written test, Practicum, Participation
2	Give students an in-depth understanding of why computers are essential compoents in business and society	Lecture, Discussion, Practicum, Problem solving	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	Lecture, Practicum	Written test, Practicum, Participation
4	Assist students in planning a career.	Lecture, Discussion, Problem solving	Written test, Report, Participation

Course Schedule

Week	Date	Subject/Topics	Note
1	103/02/17 ~ 103/02/23	System Software	Chapter 4
2	103/02/24 ~ 103/03/02	Application Software	Chapter 5
3	103/03/03 ~ 103/03/09	The Internet and The World Wide Web	Chapter 6
4	103/03/10 ~ 103/03/16	Internet Services and E-Commerce	Chapter 6
5	103/03/17 ~ 103/03/23	Networks: Communicating and SHaring Resources	Chapter 7
6	103/03/24 ~ 103/03/30	Wired and Wireless Communication	Chapter 8
7	103/03/31 ~ 103/04/06	Wired and Wireless Communication	Chapter 8
8	103/04/07 ~ 103/04/13	Privacy, Crime and Security	Chapter 9
9	103/04/14 ~ 103/04/20	Privacy, Crime and Security	Chapter 9
10	103/04/21 ~ 103/04/27	Midterm Exam Week	
11	103/04/28 ~ 103/05/04	Careers and Certification	Chapter 10
12	103/05/05 ~ 103/05/11	Programming Languages and Program Development	Chapter 11
13	103/05/12 ~ 103/05/18	Programming Languages and Program Development	Chapter 11
14	103/05/19 ~ 103/05/25	Systems Analysis and Design	Chapter 13
15	103/05/26 ~ 103/06/01	Systems Analysis and Design	Chapter 13
16	103/06/02 ~ 103/06/08	Enterprise Computing	Chapter 14
17	103/06/09 ~ 103/06/15	Enterprise Computing	Chapter 14
18	103/06/16 ~ 103/06/22	Final Exam Week	

Requirement	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. Assignments: All 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.
Teaching Facility	Computer
Textbook(s)	LaBerta, Catherine (2012). Computers Are Your Future. Complete, 12th Ed. Boston, MA: Pearson Educational International.
Reference(s)	Shelly, Gary B. and Vermaat, Misty E. (2011). Discovering Computers 2011: Living in a Digital World, Complete, Boston, MA: Course Technology.
Number of Assignment(s)	**4** (Filled in by assignment instructor only)
Grading Policy	◆ Attendance： 10.0 % ◆ Mark of Usual：10.0 % ◆ Midterm Exam： 25.0 % ◆ Final Exam： 25.0 % ◆ Other〈Assn, Participation〉：30.0 %
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.**