Tamkang University Academic Year 105, 1st Semester Course Syllabus

Course Title	GLOBAL TECHNOLOGY REVOLUTION	Instructor	LEI YING-HUI
Course Class	TGVZB0C , 0C	Details	◆ Required ◆ One Semester ◆ 2 Credits

Academic Aim of Education

Students will understand recent development of modern science and technology and its impact on human society and global environment. Through the design of course students will also be familiar with broadly-based fundamental technical knowledge and improve.

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	This course is aimed to establish the initial comprehension regarding computer science, and to enhance the understanding to the hardware,programming, operation of application software, and networks and Internet.

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 theories in both statistics and probability, and to make them comprehend the interaction between both fields. 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. Students also learn some famous protocols and languages for networks.	C3	ABC
2	To establish the initial comprehension regarding computer science, and to enhance the understanding to the hardware,programming, operation of application software, and networks and Internet.	C3	ABC
3	To establish the initial comprehension regarding computer science, and to enhance the understanding to the hardware,programming, operation of application software, and networks and Internet.	C3	ABC

Teaching Objectives, Teaching Methods and Assessment			
No.	Teaching Objectives	Teaching Methods	Assessment
1	1.To make students learn the fundamental theories in both statistics and probability, and to make them comprehend the interaction between both fields. 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. Students also learn some famous protocols and languages for networks.	Lecture, Discussion, ...	Report, ...
2	To establish the initial comprehension regarding computer science, and to enhance the understanding to the hardware,programming, operation of application software, and networks and Internet.	Lecture	.....
3	To establish the initial comprehension regarding computer science, and to enhance the understanding to the hardware,programming, operation of application software, and networks and Internet.	Lecture, Discussion, Problem solving	.....

Course Schedule			
Week	Date	Subject/Topics	Note
1	105/09/12 ~ 105/09/18	Hardware Basics: Inside the Box	
2	105/09/19 ~ 105/09/25	Hardware Basics: Inside the Box	
3	105/09/26 ~ 105/10/02	Hardware Basics: Inside the Box	
4	105/10/03 ~ 105/10/09	Hardware Basics: Inside the Box	

5	105/10/10 ~ 105/10/16	The Ghost in the Machine	
6	105/10/17 ~ 105/10/23	The Ghost in the Machine	
7	105/10/24 ~ 105/10/30	Productivity Applications/ Microsoft office	
8	105/10/31 ~ 105/11/06	Productivity Applications/ Microsoft office	
9	105/11/07 ~ 105/11/13	Productivity Applications/ Microsoft office	
10	105/11/14 ~ 105/11/20	Midterm Exam Week	
11	105/11/21 ~ 105/11/27	Digital Media and Multimedia/ Microsoft office	
12	105/11/28 ~ 105/12/04	Networking / Microsoft office	
13	105/12/05 ~ 105/12/11	Networking / Microsoft office	
14	105/12/12 ~ 105/12/18	Networking / Microsoft office	
15	105/12/19 ~ 105/12/25	Term-paper presentation	
16	105/12/26 ~ 106/01/01	Term-paper presentation	
17	106/01/02 ~ 106/01/08	Term-paper presentation	
18	106/01/09 ~ 106/01/15	Final Exam Week	

Requirement	
Teaching Facility	Computer, Other (.....)
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 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.**