Tamkang University Academic Year 107, 1st Semester Course Syllabus

Course Title	GLOBAL TECHNOLOGY REVOLUTION	Instructor	CHEN, DUEN-KAI
Course Class	TGVZB0B GLOBAL TECHNOLOGY REVOLUTION, 0B	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	Introduce to students new/emerging technologies and how our society were affected by these technologies.

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	Introduce to students new/emerging technologies and how these technologies affect our daily life.	C2	ABC

Teaching Objectives, Teaching Methods and Assessment

No.	Teaching Objectives	Teaching Methods	Assessment
1	Introduce to students new/emerging technologies and how these technologies affect our daily life.	Lecture, Discussion	Report, Participation

Course Schedule

Week	Date	Subject/Topics	Note
1	107/09/10 ~ 107/09/16	Overview of this course	
2	107/09/17 ~ 107/09/23	What is Science and Technology Studies (STS) ?	
3	107/09/24 ~ 107/09/30	What is ELSI (Ethical, Legal, Social Issues) ?	
4	107/10/01 ~ 107/10/07	Advancement in Information and Communication Technology	
5	107/10/08 ~ 107/10/14	Advancement in Information and Communication Technology	

6	107/10/15～107/10/21	Advancement in Information and Communication Technology	
7	107/10/22～107/10/28	Advancement in Information and Communication Technology	
8	107/10/29～107/11/04	Advancement in Information and Communication Technology	
9	107/11/05～107/11/11	Advancement in Information and Communication Technology	
10	107/11/12～107/11/18	Midterm Exam Week	
11	107/11/19～107/11/25	Advancement in Information and Communication Technology	
12	107/11/26～107/12/02	ELSI issues of recent Information and Communication Technology Advancement	
13	107/12/03～107/12/09	ELSI issues of recent Information and Communication Technology Advancement	
14	107/12/10～107/12/16	ELSI issues of recent Information and Communication Technology Advancement	
15	107/12/17～107/12/23	ELSI issues of recent Information and Communication Technology Advancement	
16	107/12/24～107/12/30	ELSI issues of recent Information and Communication Technology Advancement	
17	107/12/31～108/01/06	ELSI issues of recent Information and Communication Technology Advancement	
18	108/01/07～108/01/13	Final Exam Week	

Requirement	Details of grading policy and how course project works will be announce in first class. Lecturer remain the right to adjust grading policy. 成績計算及專題執行細節將於課堂上公布，且授課教師保留調整成績計算方式的彈性。 If a student's class absence reaches one-third of the total class hours (in a semester) for a particular course, the course instructor will notify the Office of Academic Affairs, and the student will not be allowed to take part in the remaining course examinations and will receive a semester grade (for that course) of zero. ＊＊Article 38, section 2 If a student's class absence reaches one-third of the total class hours (in a semester) for a particular course, the course instructor will notify the Office of Academic Affairs, and the student will not be allowed to take part in the remaining course examinations and will receive a semester grade (for that course) of zero. ＊＊本課程遵循本校學則第三十八條第二款規定辦理扣考

Teaching Facility	Computer, Projector
Textbook(s)	
Reference(s)	
Number of Assignment(s)	(Filled in by assignment instructor only)
Grading Policy	◆ Attendance： %　◆ Mark of Usual：55.0 %　◆ Midterm Exam： 10.0 % ◆ Final Exam： % ◆ Other〈course project〉：35.0 %
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.**