

Tamkang University Academic Year 107, 1st Semester Course Syllabus

Course Title	GLOBAL TECHNOLOGY REVOLUTION	Instructor	FU-YI HUNG
Course Class	TGVZB0A GLOBAL TECHNOLOGY REVOLUTION, 0A	Details	<ul style="list-style-type: none"> ◆ Required ◆ One Semester ◆ 2 Credits
Academic Aim of Education			
<p>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.</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 introduces the development of technologies and how these technologies affect our lives and our world.</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	The development of technologies and how these technologies affect our lives and our world.	C2	ABC

Teaching Objectives, Teaching Methods and Assessment

No.	Teaching Objectives	Teaching Methods	Assessment
1	The development of technologies and how these technologies affect our lives and our world.	Lecture, Discussion	Written test, Participation, Assignment

Course Schedule

Week	Date	Subject/Topics	Note
1	107/09/10~ 107/09/16	Introduction	
2	107/09/17~ 107/09/23	Science and Technology Studies	
3	107/09/24~ 107/09/30	Ethical, Legal, and Social Issues	
4	107/10/01~ 107/10/07	Information and Communication Technology	
5	107/10/08~ 107/10/14	Information and Communication Technology	
6	107/10/15~ 107/10/21	Information and Communication Technology	
7	107/10/22~ 107/10/28	Information and Communication Technology	

8	107/10/29 ~ 107/11/04	Information and Communication Technology	
9	107/11/05 ~ 107/11/11	Information and Communication Technology	
10	107/11/12 ~ 107/11/18	Midterm Exam Week	
11	107/11/19 ~ 107/11/25	Information and Communication Technology	
12	107/11/26 ~ 107/12/02	Information and Communication Technology	
13	107/12/03 ~ 107/12/09	Information and Communication Technology	
14	107/12/10 ~ 107/12/16	Biotechnology	
15	107/12/17 ~ 107/12/23	Biotechnology	
16	107/12/24 ~ 107/12/30	Biotechnology	
17	107/12/31 ~ 108/01/06	Biotechnology	
18	108/01/07 ~ 108/01/13	Final Exam Week	
Requirement	<p>1. Cheating or plagiarism will receive a semester grade of zero for this course. 作弊或抄襲者學期總成績為零分。</p> <p>2. * * 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</p>		
Teaching Facility	Computer, Projector		
Textbook(s)			
Reference(s)			
Number of Assignment(s)	12 (Filled in by assignment instructor only)		
Grading Policy	<p>◆ Attendance : % ◆ Mark of Usual : 55.0 % ◆ Midterm Exam : 10.0 %</p> <p>◆ Final Exam : 10.0 %</p> <p>◆ Other (Presentation) : 25.0 %</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>		