

Tamkang University Academic Year 102, 1st Semester Course Syllabus

Course Title	GLOBAL TECHNOLOGY REVOLUTION	Instructor	CHEN, DUEN-KAI
Course Class	TPGXB2A DEPARTMENT OF GLOBAL POLITICAL ECONOMY, 2A	Details	<ul style="list-style-type: none"> ◆ Required ◆ One Semester ◆ 2 Credits
Academic teaching objectives			
<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>Introduce to students new/emerging technologies and how these technologies affect our daily life.</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-Characterizing, 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	CEG

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	102/09/16~ 102/09/22	Overview of this course	
2	102/09/23~ 102/09/29	What is Science and Technology Studies (STS) ?	
3	102/09/30~ 102/10/06	What is ELSI (Ethical, Legal, Social Issues) ?	
4	102/10/07~ 102/10/13	Advancement in Biotechnology	
5	102/10/14~ 102/10/20	Advancement in Biotechnology	
6	102/10/21~ 102/10/27	Advancement in Biotechnology	
7	102/10/28~ 102/11/03	Advancement in Biotechnoogy	

8	102/11/04 ~ 102/11/10	Sustainable Energy	
9	102/11/11 ~ 102/11/17	Sustainable Energy	
10	102/11/18 ~ 102/11/24	Midterm Exam Week	
11	102/11/25 ~ 102/12/01	Sustainable Energy	
12	102/12/02 ~ 102/12/08	Sustainable Energy	
13	102/12/09 ~ 102/12/15	Information and Communication Technology	
14	102/12/16 ~ 102/12/22	Information and Communication Technology	
15	102/12/23 ~ 102/12/29	Information and Communication Technology	
16	102/12/30 ~ 103/01/05	Oral Presentation of Course Project	
17	103/01/06 ~ 103/01/12	Oral Presentation of Course Project	
18	103/01/13 ~ 103/01/19	Final Exam Week	
Requirement			
Teaching Facility	Computer, Projector		
Textbook(s)			
Reference(s)			
Number of Assignment(s)	(Filled in by assignment instructor only)		
Grading Policy	◆ Attendance : % ◆ Mark of Usual : 50.0 % ◆ Midterm Exam : 10.0 % ◆ Final Exam : 10.0 % ◆ Other (course project) : 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.		