

## Tamkang University Academic Year 110, 1st Semester Course Syllabus

Course Title	GLOBAL TECHNOLOGY REVOLUTION	Instructor	CHEN, DUEN-KAI
Course Class	TGVZB0A GLOBAL TECHNOLOGY REVOLUTION, 0A	Details	<ul style="list-style-type: none"> <li>◆ General Course</li> <li>◆ Required</li> <li>◆ One Semester</li> </ul>
Relevance to SDGs	SDG4 Quality education SDG9 Industry, Innovation, and Infrastructure		
<b>Departmental Aim of Education</b>			
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.			
<b>Subject Schoolwide essential virtues</b>			
<ol style="list-style-type: none"> <li>1. A global perspective. (ratio:70.00)</li> <li>2. Information literacy. (ratio:10.00)</li> <li>3. A vision for the future. (ratio:20.00)</li> </ol>			
<b>Course Introduction</b>	Introduce to students new and emerging technologies and discuss how our society is affected by these technologies.		

**The correspondences between the course's instructional objectives and the cognitive, affective, and psychomotor objectives.**

Differentiate the various objective methods among the cognitive, affective and psychomotor domains of the course's instructional objectives.

I. Cognitive : Emphasis upon the study of various kinds of knowledge in the cognition of the course's veracity, conception, procedures, outcomes, etc.

II. Affective : Emphasis upon the study of various kinds of knowledge in the course's appeal, morals, attitude, conviction, values, etc.

III. Psychomotor: Emphasis upon the study of the course's physical activity and technical manipulation.

No.	Teaching Objectives	objective methods
1	Introduce to students new/emerging technologies and how these technologies affect our daily life.	Cognitive

The correspondences of teaching objectives : core competences, essential virtues, teaching methods, and assessment

No.	Core Competences	Essential Virtues	Teaching Methods	Assessment
1		123	Lecture, Discussion, Experience	Study Assignments, Discussion(including classroom and online), Report(including oral and written), Activity Participation

**Course Schedule**

Week	Date	Course Contents	Note
1	110/09/22 ~ 110/09/28	Overview of this course	
2	110/09/29 ~ 110/10/05	What is Science and Technology Studies (STS) and What is ELSI (Ethical, Legal, Social Issues) ??	
3	110/10/06 ~ 110/10/12	Advancement in Information and Communication Technology	
4	110/10/13 ~ 110/10/19	Advancement in Information and Communication Technology	
5	110/10/20 ~ 110/10/26	Advancement in Information and Communication Technology	
6	110/10/27 ~ 110/11/02	Advancement in Information and Communication Technology	
7	110/11/03 ~ 110/11/09	Advancement in Information and Communication Technology	
8	110/11/10 ~ 110/11/16	Advancement in Information and Communication Technology	

9	110/11/17 ~ 110/11/23	Midterm Exam Week	
10	110/11/24 ~ 110/11/30	Advancement in Information and Communication Technology	
11	110/12/01 ~ 110/12/07	Advancement in Information and Communication Technology	
12	110/12/08 ~ 110/12/14	ELSI issues of recent Information and Communication Technology Advancement	
13	110/12/15 ~ 110/12/21	ELSI issues of recent Information and Communication Technology Advancement	
14	110/12/22 ~ 110/12/28	ELSI issues of recent Information and Communication Technology Advancement	
15	110/12/29 ~ 111/01/04	ELSI issues of recent Information and Communication Technology Advancement	
16	111/01/05 ~ 111/01/11	ELSI issues of recent Information and Communication Technology Advancement	
17	111/01/12 ~ 111/01/18	ELSI issues of recent Information and Communication Technology Advancement	
18	111/01/19 ~ 111/01/25	Final Exam Week	
Requirement	<p>Details of grading policy and how course project works will be announce in the first class. Lecturer remain the rights 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.</p> <p>** 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</p>		
Teaching Facility	Computer, Projector		
Textbooks and Teaching Materials			
References			

Number of Assignment(s)	(Filled in by assignment instructor only)
Grading Policy	<p>◆ Attendance :            %    ◆ Mark of Usual : 55.0 %    ◆ Midterm Exam : 10.0 %</p> <p>◆ Final Exam :            %</p> <p>◆ Other (course project) : 35.0 %</p>
Note	<p>This syllabus may be uploaded at the website of Course Syllabus Management System at <a href="http://info.ais.tku.edu.tw/csp">http://info.ais.tku.edu.tw/csp</a> or through the link of Course Syllabus Upload posted on the home page of TKU Office of Academic Affairs at <a href="http://www.acad.tku.edu.tw/CS/main.php">http://www.acad.tku.edu.tw/CS/main.php</a>.</p> <p><b>※ Unauthorized photocopying is illegal. Using original textbooks is advised. It is a crime to improperly photocopy others' publications.</b></p>