

## Tamkang University Academic Year 110, 2nd Semester Course Syllabus

Course Title	SOCIAL AND ETHICAL ISSUE IN TEACHNOLOGICAL INNOVATION	Instructor	NUR ANISAH BINTI ABDULLAH
Course Class	TDJAM2A MASTER'S PROGRAM IN FUTURES STUDIES, DEPARTMENT OF EDUCATION AND FUTURES DESIGN, 2A	Details	<ul style="list-style-type: none"> <li>◆ General Course</li> <li>◆ Selective</li> <li>◆ One Semester</li> </ul>
Relevance to SDGs	SDG9 Industry, Innovation, and Infrastructure SDG11 Sustainable cities and communities SDG12 Responsible consumption and production		
<b>Departmental Aim of Education</b>			
Cultivating students' ability in the following areas: (1) in facing future changes and in integrating interdisciplinary knowledge, (2) in developing future-oriented thinking, and (3) in analyzing and planning the futures.			
<b>Subject Departmental core competences</b>			
A. The ability of critical thinking.(ratio:40.00) B. The ability to analyze the future.(ratio:30.00) C. The ability to examine social trends.(ratio:30.00)			
<b>Subject Schoolwide essential virtues</b>			
2. Information literacy. (ratio:30.00) 3. A vision for the future. (ratio:30.00) 5. Independent thinking. (ratio:40.00)			
Course Introduction	This course aims to explore social and ethical issues emerging from our reliance and dependence on technology in our everyday lives. The course introduces the use of Futures methodologies in analysing the impacts of technology on past, present and future societies.		

**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	To provide students with an understanding of the complexities associated with technology and development; and To provide students with tools for analysing the social and ethical issues associated with technology and development.	Cognitive

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

No.	Core Competences	Essential Virtues	Teaching Methods	Assessment
1	ABC	235	Lecture, Discussion, Reading and Group discussions	Study Assignments, Discussion(including classroom and online), Activity Participation

**Course Schedule**

Week	Date	Course Contents	Note
1	111/02/21 ~ 111/02/25	Introduction: course, course policies and assessment	
2	111/02/28 ~ 111/03/04	An introduction to the theory of complexity	
3	111/03/07 ~ 111/03/11	Trend Analysis - Using the S-Curve	
4	111/03/14 ~ 111/03/18	Social and ethical issues associated with a select of trends and phenomena	
5	111/03/21 ~ 111/03/25	Reading Assignment and Student Presentation	
6	111/03/28 ~ 111/04/01	Emerging issues analysis - Using the Futures Wheel	
7	111/04/04 ~ 111/04/08	Understanding the impacts and consequences of a select emerging issues	
8	111/04/11 ~ 111/04/15	Reading Assignment and Student Presentation	
9	111/04/18 ~ 111/04/22	Seeds of Tomorrow - Using the Three Horizons	

10	111/04/25 ~ 111/04/29	Reading Assignment and Student Presentation Part 1	
11	111/05/02 ~ 111/05/06	Reading Assignment and Student Presentation Part 2	
12	111/05/09 ~ 111/05/13	Course Project : Select a technological innovation that the society has learned to rely on and analyse its development over time- Using the S-curve	
13	111/05/16 ~ 111/05/20	Course Project: Analyse the development of that trend using the Three Horizons	
14	111/05/23 ~ 111/05/27	Course Project: Identify some of the critical emerging issues of the select technological advancement	
15	111/05/30 ~ 111/06/03	Course Project: Develop a Futures Wheel for at least one of those critical emerging issue	
16	111/06/06 ~ 111/06/10	Course Project: How has the select technological innovation impacted our past, present and will shape future society	
17	111/06/13 ~ 111/06/17	Course Project: Complete Project Report	
18	111/06/20 ~ 111/06/24	Course Project: Complete Project Report	
Requirement			
Teaching Facility	Computer, Projector, Other (Miro)		
Textbooks and Teaching Materials	Periodicals, journals and technology updates		
References			
Number of Assignment(s)	3 (Filled in by assignment instructor only)		
Grading Policy	◆ Attendance : 20.0 %   ◆ Mark of Usual : 80.0 %   ◆ Midterm Exam : % ◆ Final Exam : % ◆ Other ( ) : %		
Note	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> . <b>※ Unauthorized photocopying is illegal. Using original textbooks is advised. It is a crime to improperly photocopy others' publications.</b>		