

Tamkang University Academic Year 114, 1st Semester Course Syllabus

Course Title	EVOLUTION OF TECHNOLOGIES	Instructor	CHU, LIOU
Course Class	TNUZB0B GLOBAL TECHNOLOGY REVOLUTION, 0B	Details	◆ General Course ◆ Required ◆ One Semester ◆ 2 Credits
Relevance to SDGs	SDG9 Industry, Innovation, and Infrastructure		
D e p a r t m e n t a l A i m o f E d u c a t i o n			
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.			
Subject Schoolwide essential virtues			
1. A global perspective. (ratio:20.00) 2. Information literacy. (ratio:10.00) 3. A vision for the future. (ratio:20.00) 4. Moral integrity. (ratio:10.00) 5. Independent thinking. (ratio:10.00) 6. A cheerful attitude and healthy lifestyle. (ratio:10.00) 7. A spirit of teamwork and dedication. (ratio:10.00) 8. A sense of aesthetic appreciation. (ratio:10.00)			
Course Introduction	This course gives a general aspect of development of technology and related issues.		

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	1. Development of technology, 2. Ethical issue of technology.	Cognitive

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

No.	Core Competences	Essential Virtues	Teaching Methods	Assessment
1		12345678	Lecture, Discussion	Testing, Study Assignments, Discussion(including classroom and online), Report(including oral and written)

Course Schedule

Week	Date	Course Contents	Note
1	114/09/15 ~ 114/09/21	Introduction and grouping	
2	114/09/22 ~ 114/09/28	Topic 1	
3	114/09/29 ~ 114/10/05	Topic 1 and discussion	
4	114/10/06 ~ 114/10/12	Topic 2	
5	114/10/13 ~ 114/10/19	Topic 2 and discussion	
6	114/10/20 ~ 114/10/26	Topic 3	
7	114/10/27 ~ 114/11/02	Topic 3	
8	114/11/03 ~ 114/11/09	Topic 3 and discussion	
9	114/11/10 ~ 114/11/16	Midterm Exam	
10	114/11/17 ~ 114/11/23	Topic 4	
11	114/11/24 ~ 114/11/30	Topic 5	

12	114/12/01 ~ 114/12/07	Topic 5 and discussion	
13	114/12/08 ~ 114/12/14	Topic 6 and discussion	
14	114/12/15 ~ 114/12/21	Topic 7 and discussion	
15	114/12/22 ~ 114/12/28	Topic 8	
16	114/12/29 ~ 115/01/04	Final Week of Diverse Assessments	
17	115/01/05 ~ 115/01/11	Final Week of Diverse Assessments/Flexible Teaching Week for Teachers	
18	115/01/12 ~ 115/01/18	Flexible Teaching Week for Teachers	
Key capabilities	self-directed learning Information Technology Problem solving Interdisciplinary		
Interdisciplinary	STEAM course (S:Science, T:Technology, E:Engineering, M:Math, A field:Integration of Art and Humanist)		
Distinctive teaching	Learning technologies (such as AR/VR,etc.) incorporated to physical courses		
Course Content	Logical Thinking		
Requirement	<p>1. Attendance of all classes is required. 請務必出席所有課程。</p> <p>2. Any absence will result in 1 to 3 final points of "Attendance" deducted. Please call me or text me before class. 病假事假扣「出席」佔總分之1至3分，請上課前通知老師。</p> <p>3. Absence without leave will result in 4 final points of "Attendance" deducted. 曠課每次扣「出席」佔總分之4分。</p> <p>4. Cheating or plagiarism will result in failure in the course. 作弊、抄襲會導致本課程不及格。</p> <p>5. Wearing slippers during class is not allowed. 上課請勿穿著拖鞋。</p> <p>6. Late arrival, early departure (over 20 minutes), and the stated inappropriate behavior will result in 4 final points of "Attendance" deducted. 遲到、早退(超過20分鐘)·及前述不當行為每次扣「出席」佔總分之4分。</p> <p>7. A laptop computer is required to the class for class report and examinations. 請攜帶筆記型電腦上課製作報告與考試。</p> <p>8. Attendances of Mid-term Exam and Final Exam are compulsory. Absence will result in 42 final points of "Participation and performance" deducted. 請務必參加期中考與期末考，缺席將導致「課堂表現」0分(佔總分42分)。</p>		

Textbooks and Teaching Materials	Self-made teaching materials:Presentations, Handouts Using teaching materials from other writers:Presentations, Videos
References	
Grading Policy	<p>◆ Attendance : 48.0 % ◆ Mark of Usual : % ◆ Midterm Exam : 5.0 %</p> <p>◆ Final Exam : 5.0 %</p> <p>◆ Other 〈Performance〉 : 42.0 %</p>
Note	<p>This syllabus may be uploaded at the website of Course Syllabus Management System at https://web2.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>※"Adhere to the concept of intellectual property rights" and "Do not illegally photocopy, download, or distribute." Using original textbooks is advised. It is a crime to improperly photocopy others' publications.</p>