Tamkang University Academic Year 114, 2nd Semester Course Syllabus

Course Title	PERSPECTIVES ON SCI-TECH	Instructor	JONG-DAR YAU
Course Class	TGCHB0A HONORS PROGRAM, 0A	Details	◆ General Course ◆ Required ◆ One Semester ◆ 2 Credits
Relevance to SDGs	SDG4 Quality education SDG9 Industry, Innovation, and Infrastructure SDG16 Peace, justice and strong institutions		

Honor program Aim of Education

Tamkang University's Honors Program is a "Triple Objectives Program" integrating professionalism, general education and extracurricular activities to develop distinguished undergraduate students of the day division. The Honors Program will enable undergraduate students to be professional and innovative with the capacity of independent study and will acquaint them not only with local cultures and global outlook, but also with leadership skills and creative thinking. The Honors Program aims at strengthening undergraduate students' career competitiveness.

Subject Schoolwide essential virtues

1. A global perspective. (ratio:10.00)
2. Information literacy. (ratio:10.00)
3. A vision for the future. (ratio:20.00)
4. Moral integrity. (ratio:20.00)
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	History is a part of human culture. Science and Technology (Sci-Tech) is a driving force of human civilization. Observing the development of modern Sci-Tech from a historical perspective can recognize how Sci-Tech changes human history and civilization. The goal of this course is to provide students with an understanding of the operation mode of technology based on historical discoveries and invention cases. Through the evolution of Sci-Tech development, students can shape the development process of society through Sci-Tech.

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	Science and Technology (Sci-Tech) is a driving force of human civilization. Observing the development of modern Sci-Tech from a historical perspective can recognize how Sci-Tech changes human history and civilization.	Affective

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, Publication, Practicum	Study Assignments, Discussion(including classroom and online), Report(including oral and written)

Course Schedule

Week	Date	Course Contents	Note
1	115/02/23 ~ 115/03/01	課程簡介	
2	115/03/02 ~ 115/03/08	科技總論	
3	115/03/09 ~ 115/03/15	科技簡史(1)	

4	115/03/16～ 115/03/22	科技簡史(2)	
5	115/03/23～ 115/03/29	近代科技簡史	
6	115/03/30～ 115/04/05	科技曙光 - 古代中國科技經典	
7	115/04/06～ 115/04/12	教學行政觀摩日	
8	115/04/13～ 115/04/19	科技曙光 - 西方科技經典	
9	115/04/20～ 115/04/26	期中考/期中評量週(老師得自行調整週次)	
10	115/04/27～ 115/05/03	科技曙光 - 東西方科技	
11	115/05/04～ 115/05/10	智慧型科技(一) - 一手掌握天下事	
12	115/05/11～ 115/05/17	智慧型科技(二) - 生活要智慧化，不要低能化生活	
13	115/05/18～ 115/05/24	網路與生活的十字路口(一) - 現代人的新故鄉：網路(宅生活)	
14	115/05/25～ 115/05/31	網路與文創的十字路口(二) - 消逝中的寫作意境(家書抵萬金)	
15	115/06/01～ 115/06/07	網路與心靈的十字路口(三) - 虛擬世界帶來的空虛(遭壓縮的時、空)	
16	115/06/08～ 115/06/14	Final Week of Diverse Assessments	
17	115/06/15～ 115/06/21	Final Week of Diverse Assessments/Flexible Teaching Week for Teachers	
18	115/06/22～ 115/06/28	Flexible Teaching Week for Teachers	

Key capabilities	Information Technology Humanistic Caring Interdisciplinary
Interdisciplinary	STEAM course (S:Science, T:Technology, E:Engineering, M:Math, A field:Integration of Art and Humanist)
Distinctive teaching	Project implementation course Special/Problem-Based(PBL) Courses
Course Content	Logical Thinking AI application

Requirement	修課者應遵守上課規定,曠課達4次(含)以上者,期末評量成績不計 未請假補交書面作業成績 = 成績*0.6，超過規定時間兩星期(14天)，該次成績不計, 除情況特殊者, 請假次數超過6次(含)者, 期末評量分數以其30%計 核准假單在請假日後7日內(逢假日, 順延一週)，於課堂中將假單證明聯逕送任課教師完成簽點，逾期不受理。
Textbooks and Teaching Materials	Self-made teaching materials:Handouts Using teaching materials from other writers:Videos
References	
Grading Policy	◆ Attendance： 20.0 % ◆ Mark of Usual：20.0 % ◆ Midterm Exam： 30.0 % ◆ Final Exam： 30.0 % ◆ Other〈 〉： %
Note	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. ※"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.