Tamkang University Academic Year 110, 1st Semester Course Syllabus

Course Title	THE WAY SCIENCE WORKS	Instructor	LEE, MING-HSIEN				
Course Class	TNUUB0A NATURAL SCIENCES, 0A	Details	◆ General Course◆ Required◆ One Semester				
Relevance to SDGs	SDG12 Responsible consumption and production						
Departmental Aim of Education							
By exploring natural laws and studying scientific methods, to let students understand the impact of science and technology on human life, and to cultivate in them the ability to think independently, and to discover, analyse and solve problems. Also, throu.							
Subject Schoolwide essential virtues							
2. Information literacy. (ratio:50.00)							
3. A vision	for the future. (ratio:30.00)						
8. A sense	of aesthetic appreciation. (ratio:20.00)						
Course Introduction	Using easy-to-understand stories and pictures, this course exscience principles and mechanism behind the everyday used products. This course is most relevant to "How Thing Works"	technologies	and				

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.			objective methods						
1	Understand basic principles behind technologies. Cognitive								
	The correspondences of teaching objectives: core competences, essential virtues, teaching methods, and assessment								
No.	Core Competences		Essential Virtues	Teaching Methods	Assessment				
1			238	Lecture	Testing				
	Course Schedule								
Week	Date	Course Contents		Note					
1	110/09/22 ~ 110/09/28	Course Introduction							
2	110/09/29 ~ 110/10/05	How sicence works for urban and environmental technologies (1)							
3	110/10/06 ~ 110/10/12	How sicence works for urban and environmental technologies (2)							
4	110/10/13 ~ 110/10/19	How sicence works for urban and environmental technologies (3)							
5	110/10/20 ~ 110/10/26	How sceince works for domestic living technoloiges (1)							
6	110/10/27 ~ 110/11/02	How sceince works for domestic living technoloiges (2)							
7	110/11/03 ~ 110/11/09	How sceince works for audio / visual technoloiges (1)							
8	110/11/10 ~ 110/11/16	How sceince works for audio / visual technoloiges (2)							
9	110/11/17 ~ 110/11/23	Midterm Exam Week							
10	110/11/24 ~ 110/11/30	Mid-term exam answer announcement and re-mark							
11	110/12/01 ~ 110/12/07	How sceince works for computer and microchip technologies (1)							

12	110/12/08 ~ 110/12/14	How sceince works for computer and microchip technologies (2)			
13	110/12/15 ~ 110/12/21	How sceince works for communication technologies (1)			
14	110/12/22 ~ 110/12/28	How sceince works for communication technologies (2)			
15	110/12/29 ~ 111/01/04	How sceince works for consumer electronic technologies (1)			
16	111/01/05 ~ 111/01/11	How sceince works for consumer electronic technologies (2)			
17	111/01/12 ~ 111/01/18	How sceince works for office automation technologies			
18	111/01/19 ~ 111/01/25				
Re	equirement	No food and drink during the class.			
Teaching Facility		Computer, Projector			
	ooks and ing Materials				
References					
Number of Assignment(s)		(Filled in by assignment instructor only)			
Grading Policy		 ◆ Attendance: %			
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.			

TNUUB0S0748 0A Page:3/3 2021/7/18 16:14:47