

Tamkang University Academic Year 114, 2nd Semester Course Syllabus

Course Title	CHEMISTRY, FOOD AND SOCIETY	Instructor	CHIA-CHI HUANG
Course Class	TNUUB0A NATURAL SCIENCES, 0A	Details	◆ General Course ◆ Required ◆ One Semester ◆ 2 Credits
Relevance to SDGs	SDG4 Quality education		
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			
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			
1. A global perspective. (ratio:25.00) 2. Information literacy. (ratio:10.00) 3. A vision for the future. (ratio:25.00) 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:5.00) 8. A sense of aesthetic appreciation. (ratio:5.00)			
Course Introduction	CHEMISTRY, FOOD, AND SOCIETY is a course in the general, non technical education program that focuses on the interplay between chemical technology, food science, and human life. Using articles in common sciences as the reading material and oral discussion as a learning instrument, this course introduces students to the current issues and provides proper knowledge in the subject matter. English use is encouraged.		

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	The students who attend this class will have access to interesting scientific topics in food and chemistry. They will gain perspectives and insights into relevant science matters that people are generally concerned about. And they will learn correct knowledge from class discussions from time to time this semester. Students will build rational thinking against false information surrounding us to live a better and healthier life	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	Report(including oral and written)

Course Schedule

Week	Date	Course Contents	Note
1	115/02/23 ~ 115/03/01	Introduction	
2	115/03/02 ~ 115/03/08	Food additives & Food Contamination	
3	115/03/09 ~ 115/03/15	Eggs, Milk & Dairy Products	
4	115/03/16 ~ 115/03/22	Meat, Fish & Vegetables	
5	115/03/23 ~ 115/03/29	Crustaceans, Mollusks & Edible Fats and Oils	
6	115/03/30 ~ 115/04/05	Teaching administration observation period	
7	115/04/06 ~ 115/04/12	Oral presentation	
8	115/04/13 ~ 115/04/19	Oral presentation	
9	115/04/20 ~ 115/04/26	Oral presentation	

10	115/04/27 ~ 115/05/03	Cereals, Cereal Products & Legumes	
11	115/05/04 ~ 115/05/10	Sugars, Sugar Alcohols & Honey	
12	115/05/11 ~ 115/05/17	Alcoholic Beverages, Coffee, Tea & Cocoa	
13	115/05/18 ~ 115/05/24	Oral presentation	
14	115/05/25 ~ 115/05/31	Oral presentation	
15	115/06/01 ~ 115/06/07	Oral presentation	
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		self-directed learning Humanistic Caring Problem solving	
Interdisciplinary		STEAM course (S:Science, T:Technology, E:Engineering, M:Math, A field:Integration of Art and Humanist) Competency-based education 'competency exploration' sustained competency or global issues STEEP (Society, Technology, Economy, Environment, and Politics) In addition to teaching content of the teacher's professional field, integrate other subjects or invite experts and scholars in other fields to share knowledge or teaching	
Distinctive teaching		Journal	
Course Content		Logical Thinking Environmental Safety Sustainability issue	
Requirement		The final exam is the oral report for everyone	
Textbooks and Teaching Materials		Self-made teaching materials:Journal Using teaching materials from other writers:Journal	
References		ACS Publications	

Grading Policy	◆ Attendance : 50.0 % ◆ Mark of Usual : % ◆ Midterm Exam : 25.0 % ◆ Final Exam : 25.0 % ◆ Other < > : %
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>