

Tamkang University Academic Year 107, 2nd Semester Course Syllabus

Course Title	CHEMISTRY IN LIFE	Instructor	MIN-YEH TSAI
Course Class	TNUUB0B NATURAL SCIENCES, 0B	Details	<ul style="list-style-type: none"> ◆ Required ◆ One Semester ◆ 2 Credits
Academic Aim of Education			
<p>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.</p>			
Schoolwide essential virtues			
<ul style="list-style-type: none"> A. A global perspective. B. Information literacy. C. A vision for the future. D. Moral integrity. E. Independent thinking. F. A cheerful attitude and healthy lifestyle. G. A spirit of teamwork and dedication. H. A sense of aesthetic appreciation. 			
Course Introduction	<p>This course aims to develop the student's scientific literacy by introducing the role of chemistry in daily life.</p>		

The Relevance among Teaching Objectives, Objective Levels and Schoolwide essential virtues

I. Objective Levels (select applicable ones) :

- (i) Cognitive Domain : C1-Remembering, C2-Understanding, C3-Applying,
C4-Analyzing, C5-Evaluating, C6-Creating
- (ii) Psychomotor Domain : P1-Imitation, P2-Mechanism, P3-Independent Operation,
P4-Linked Operation, P5-Automation, P6-Origination
- (iii) Affective Domain : A1-Receiving, A2-Responding, A3-Valuing,
A4-Organizing, A5-Characterizing, A6-Implementing

II. The Relevance among Teaching Objectives, Objective Levels and Schoolwide essential virtues :

- (i) Determine the objective level(s) in any one of the three learning domains (cognitive, psychomotor, and affective) corresponding to the teaching objective. Each objective should correspond to the objective level(s) of ONLY ONE of the three domains.
- (ii) If more than one objective levels are applicable for each learning domain, select the highest one only. (For example, if the objective levels for Cognitive Domain include C3, C5, and C6, select C6 only and fill it in the boxes below. The same rule applies to Psychomotor Domain and Affective Domain.)
- (iii) Determine the Schoolwide essential virtues that correspond to each teaching objective. Each objective may correspond to one or more Schoolwide essential virtues at a time. (For example, if one objective corresponds to three Schoolwide essential virtues: A, AD, and BEF, list all of the three in the box.)

No.	Teaching Objectives	Relevance	
		Objective Levels	Schoolwide essential virtues
1	The student will be able to apply chemistry concepts to understand everyday chemistry around us.	C2	AB

Teaching Objectives, Teaching Methods and Assessment

No.	Teaching Objectives	Teaching Methods	Assessment
1	The student will be able to apply chemistry concepts to understand everyday chemistry around us.	Lecture, Discussion	Written test, Report

Course Schedule

Week	Date	Subject/Topics	Note
1	108/02/18~ 108/02/24	Introduction	
2	108/02/25~ 108/03/03	Basic chemistry concepts I	make up
3	108/03/04~ 108/03/10	Basic chemistry concepts II	
4	108/03/11~ 108/03/17	Drink	
5	108/03/18~ 108/03/24	Color, flavor, and taste	
6	108/03/25~ 108/03/31	Environment	
7	108/04/01~ 108/04/07	Ching Ming Festival (Tomb-Sweeping Day)	

8	108/04/08 ~ 108/04/14	Cancer	
9	108/04/15 ~ 108/04/21	Cancer-Causing and Cancer-Fighting food	
10	108/04/22 ~ 108/04/28	Midterm Exam Week	
11	108/04/29 ~ 108/05/05	Vitamins	
12	108/05/06 ~ 108/05/12	Chinese herbal medicine	
13	108/05/13 ~ 108/05/19	Nutrition	
14	108/05/20 ~ 108/05/26	Nerve and prohibited drugs	
15	108/05/27 ~ 108/06/02	Drugs	
16	108/06/03 ~ 108/06/09	Duanwu Festival (Dragon Boat Festival)	
17	108/06/10 ~ 108/06/16	Love	
18	108/06/17 ~ 108/06/23	Final Exam Week	
Requirement	Please note that the topic covered may subject to changes.		
Teaching Facility	Computer, Projector		
Textbook(s)			
Reference(s)			
Number of Assignment(s)	(Filled in by assignment instructor only)		
Grading Policy	◆ Attendance : 20.0 % ◆ Mark of Usual : % ◆ Midterm Exam : 40.0 % ◆ Final Exam : % ◆ Other 〈報告〉 : 40.0 %		
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.		