

Tamkang University Academic Year 108, 1st Semester Course Syllabus

Course Title	SEMINAR (III)	Instructor	HSIEH, CHUNG-HUNG
Course Class	TSCXM1A MASTER'S PROGRAM, DEPARTMENT OF CHEMISTRY, 1A	Details	<ul style="list-style-type: none"> ◆ General Course ◆ Selective ◆ One Semester
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			
<p>I . Cultivate the advanced professional knowledge and experimental techniques.</p> <p>II . Cultivate the capacity of practical implementation.</p> <p>III . Cultivate professional ethics and lifelong learning.</p>			
S u b j e c t D e p a r t m e n t a l c o r e c o m p e t e n c e s			
<p>A. Possess advanced knowledge in chemistry such as organic, physical, inorganic, and instrumental analysis, and extend them into biochemistry, material chemistry, and related chemistry.(ratio:40.00)</p> <p>B. Possess basic experimental chemistry techniques and apply them to other chemistry-related experimental works.(ratio:20.00)</p> <p>C. Possess basic research ability and seminar participation in chemistry-related projects, and independently finish writing the research paper.(ratio:10.00)</p> <p>E. Possess collecting and analyzing information in chemistry and apply them to solve chemistry problems.(ratio:30.00)</p>			
S u b j e c t S c h o o l w i d e e s s e n t i a l v i r t u e s			
<p>1. A global perspective. (ratio:40.00)</p> <p>2. Information literacy. (ratio:20.00)</p> <p>3. A vision for the future. (ratio:20.00)</p> <p>5. Independent thinking. (ratio:20.00)</p>			

Course Introduction	Many experts are invited to give a talk to our graduate student. Students will have a broad view in academics and industries.
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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	Students may learn how to prepare a lecture and ask a good question	Cognitive
2	discussion	Affective

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

No.	Core Competences	Essential Virtues	Teaching Methods	Assessment
1	ABCE	1235	Lecture, Discussion, Practicum, Experience	Testing, Study Assignments, Discussion(including classroom and online), Practicum, Report(including oral and written), Activity Participation
2	ABCE	1235	Lecture, Discussion, Publication, Practicum, Experience, Imitation	Testing, Study Assignments, Discussion(including classroom and online), Practicum, Report(including oral and written), Activity Participation

Course Schedule			
Week	Date	Course Contents	Note
1	108/09/09 ~ 108/09/15	Seminar 1 (Lab Safety Training)	
2	108/09/16 ~ 108/09/22	Seminar 2 (Student 1)	
3	108/09/23 ~ 108/09/29	Seminar 3 (Student 2)	
4	108/09/30 ~ 108/10/06	Seminar 4 (Student 3)	
5	108/10/07 ~ 108/10/13	Seminar 5 (Student 4)	
6	108/10/14 ~ 108/10/20	Seminar 6 (Student 5)	
7	108/10/21 ~ 108/10/27	Seminar 7 (Student 6)	
8	108/10/28 ~ 108/11/03	Seminar 8 (Student 7)	
9	108/11/04 ~ 108/11/10	Seminar 9 (Student 8)	
10	108/11/11 ~ 108/11/17	Midterm Exam Week	
11	108/11/18 ~ 108/11/24	Seminar 10 (Student 9)	
12	108/11/25 ~ 108/12/01	Seminar 11 (Student 10)	
13	108/12/02 ~ 108/12/08	Seminar 12 (Student 11)	
14	108/12/09 ~ 108/12/15	Seminar 13 (Student 12)	
15	108/12/16 ~ 108/12/22	Seminar 14 (Student 13)	
16	108/12/23 ~ 108/12/29	Seminar 15 (Student 14)	
17	108/12/30 ~ 109/01/05	Seminar 16 (Student 15)	
18	109/01/06 ~ 109/01/12	Final Exam Week	
Requirement	1. three times absence from a seminar will get a fail 2. ask each question will gain 5% of final grade one short report, 25-35 minutes' presentation		
Teaching Facility	Computer, Projector		
Textbooks and Teaching Materials			
References			

Number of Assignment(s)	1 (Filled in by assignment instructor only)
Grading Policy	◆ Attendance : 70.0 % ◆ Mark of Usual : % ◆ Midterm Exam : % ◆ Final Exam : % ◆ Other 〈問題〉 : 30.0 %
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.