

## Tamkang University Academic Year 113, 1st Semester Course Syllabus

Course Title	SEMINAR (I)	Instructor	HSIEH, JEN-CHIEH
Course Class	TSCXM1A MASTER'S PROGRAM, DEPARTMENT OF CHEMISTRY, 1A	Details	<ul style="list-style-type: none"> <li>◆ General Course</li> <li>◆ Selective</li> <li>◆ One Semester</li> <li>◆ 2 Credits</li> </ul>
Relevance to SDGs	SDG4 Quality education		
Departmental Aim of Education			
<ul style="list-style-type: none"> <li>I. Cultivate the advanced professional knowledge and experimental techniques.</li> <li>II. Cultivate the capacity of practical implementation.</li> <li>III. Cultivate professional ethics and lifelong learning.</li> </ul>			
Subject Departmental core competences			
<ul style="list-style-type: none"> <li>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:30.00)</li> <li>B. Possess basic experimental chemistry techniques and apply them to other chemistry-related experimental works.(ratio:20.00)</li> <li>C. Possess basic research ability and seminar participation in chemistry-related projects, and independently finish writing the research paper.(ratio:10.00)</li> <li>D. Possess the professional ethics in chemistry workplace.(ratio:10.00)</li> <li>E. Possess collecting and analyzing information in chemistry and apply them to solve chemistry problems.(ratio:30.00)</li> </ul>			
Subject Schoolwide essential virtues			
<ul style="list-style-type: none"> <li>1. A global perspective. (ratio:10.00)</li> <li>2. Information literacy. (ratio:10.00)</li> <li>3. A vision for the future. (ratio:15.00)</li> <li>4. Moral integrity. (ratio:15.00)</li> <li>5. Independent thinking. (ratio:10.00)</li> <li>6. A cheerful attitude and healthy lifestyle. (ratio:10.00)</li> <li>7. A spirit of teamwork and dedication. (ratio:10.00)</li> </ul>			

8. A sense of aesthetic appreciation. (ratio:20.00)

Course  
Introduction

Many experts are invited to give a talk to our graduate student. Students will have a broad view in academics and industries.

**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	ABCDE	12345678	Lecture, Discussion, Practicum, Experience	Testing, Study Assignments, Discussion(including classroom and online), Practicum, Report(including oral and written), Activity Participation
2	ABCDE	12345678	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	113/09/09 ~ 113/09/15	Seminar 1 (Lab Safety Training)	
2	113/09/16 ~ 113/09/22	Seminar 2 (Student 1)	
3	113/09/23 ~ 113/09/29	Seminar 3 (Student 2)	
4	113/09/30 ~ 113/10/06	Seminar 4 (Student 3)	
5	113/10/07 ~ 113/10/13	Seminar 5 (Student 4)	
6	113/10/14 ~ 113/10/20	Seminar 6 (Student 5)	
7	113/10/21 ~ 113/10/27	Seminar 7 (Student 6)	
8	113/10/28 ~ 113/11/03	Seminar 8 (Student 7)	
9	113/11/04 ~ 113/11/10	Seminar 9 (Student 8)	
10	113/11/11 ~ 113/11/17	Midterm Exam Week	
11	113/11/18 ~ 113/11/24	Seminar 10 (Student 9)	
12	113/11/25 ~ 113/12/01	Seminar 11 (Student 10)	
13	113/12/02 ~ 113/12/08	Seminar 12 (Student 11)	
14	113/12/09 ~ 113/12/15	Seminar 13 (Student 12)	
15	113/12/16 ~ 113/12/22	Seminar 14 (Student 13)	
16	113/12/23 ~ 113/12/29	Seminar 15 (Student 14)	
17	113/12/30 ~ 114/01/05	Seminar 16 (Student 15)	
18	114/01/06 ~ 114/01/12	Final Exam Week	
Key capabilities			
Interdisciplinary			

Distinctive teaching	
Course Content	Logical Thinking Sustainability issue
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
Textbooks and Teaching Materials	Self-made teaching materials:Presentations, Handouts
References	
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 <a href="http://info.ais.tku.edu.tw/csp">http://info.ais.tku.edu.tw/csp</a> or through the link of Course Syllabus Upload posted on the home page of TKU Office of Academic Affairs at <a href="http://www.acad.tku.edu.tw/CS/main.php">http://www.acad.tku.edu.tw/CS/main.php</a> .  <b>※ Unauthorized photocopying is illegal. Using original textbooks is advised. It is a crime to improperly photocopy others' publications.</b>