

Tamkang University Academic Year 108, 1st Semester Course Syllabus

Course Title	SEMINAR (III)	Instructor	DON, TRONG-MING
Course Class	TEDXD2A DOCTORAL PROGRAM, DEPARTMENT OF CHEMICAL AND MATERIALS ENGINEERING, 2A	Details	<ul style="list-style-type: none"> ◆ General Course ◆ Required ◆ One Semester
Departmental Aim of Education			
Education Objectives: Cultivation of chemical/materials engineering experts with professional knowledge and high research-and-development capability.			
Subject Departmental core competences			
<p>A. Possess the advanced knowledge of chemical/material engineering and to be able to use it. (ratio:50.00)</p> <p>B. Capable to plan and execute the chemical/material engineering projects.(ratio:10.00)</p> <p>C. Capable of writing professional papers.(ratio:20.00)</p> <p>D. Capable of creative thinking and solving problem independently.(ratio:10.00)</p> <p>H. Capable of self-learning and self-growth.(ratio:10.00)</p>			
Subject Schoolwide essential virtues			
<p>2. Information literacy. (ratio:10.00)</p> <p>3. A vision for the future. (ratio:10.00)</p> <p>5. Independent thinking. (ratio:80.00)</p>			
Course Introduction	<p>This course will invite the learned scholars and experts to give speeches for students to understand the recent technologies and market of chemical engineering and materials engineering. During the speech, students also can learn how to issue questions and discuss with the speakers. This course will also train the students to learn the methods of collecting, analyzing, and organizing data, reading literature, and writing reports.</p>		

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	To learn about recent technologies of chemical engineering and materials engineering	Cognitive

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

No.	Core Competences	Essential Virtues	Teaching Methods	Assessment
1	ABCDH	235	Lecture, Discussion	Discussion(including classroom and online), Report(including oral and written)

Course Schedule

Week	Date	Course Contents	Note
1	108/09/09 ~ 108/09/15	Introduction	
2	108/09/16 ~ 108/09/22	Invited lecture (一)	
3	108/09/23 ~ 108/09/29	Invited lecture (二)	
4	108/09/30 ~ 108/10/06	Invited lecture (三)	
5	108/10/07 ~ 108/10/13	Invited lecture: Biomaterial seminar at room E819	
6	108/10/14 ~ 108/10/20	Invited lecture (四)	
7	108/10/21 ~ 108/10/27	Invited lecture (五)	
8	108/10/28 ~ 108/11/03	Invited lecture (六)	
9	108/11/04 ~ 108/11/10	Invited lecture: Biomaterial seminar at room E819	
10	108/11/11 ~ 108/11/17	Mid-term Exam	
11	108/11/18 ~ 108/11/24	Invited lecture (七)	

12	108/11/25 ~ 108/12/01	Invited lecture (八)	
13	108/12/02 ~ 108/12/08	Invited lecture (九): Opto-electronic materials at room E819	
14	108/12/09 ~ 108/12/15	Invited lecture (十)	
15	108/12/16 ~ 108/12/22	Oral report	
16	108/12/23 ~ 108/12/29	Oral report	
17	108/12/30 ~ 109/01/05	Oral report	
18	109/01/06 ~ 109/01/12	Final exam	
Requirement			
Teaching Facility	Computer		
Textbooks and Teaching Materials	Steve Wallace, "How to write and submit an academic paper in 16 weeks" , Wallace Academic Publishing, 2009		
References			
Number of Assignment(s)	5 (Filled in by assignment instructor only)		
Grading Policy	◆ Attendance : 20.0 % ◆ Mark of Usual : % ◆ Midterm Exam : % ◆ Final Exam : 30.0 % ◆ Other <report> : 50.0 %		
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.		