

## Tamkang University Academic Year 108, 1st Semester Course Syllabus

Course Title	TECHNICAL WRITING	Instructor	PETER LIU
Course Class	TETDM1S MASTER'S PROGRAM, DIVISION OF SYSTEM-ON-CHIP AND CONTROL SYSTEMS, DEPARTMENT OF ELECTRICAL AND COMPUTER ENGINEERING, 1S	Details	<ul style="list-style-type: none"> <li>◆ General Course</li> <li>◆ Required</li> <li>◆ One Semester</li> </ul>
Departmental Aim of Education			
<p>I. Educate students to have electrical and robotic engineering knowledge to solve electrical engineering related problems.</p> <p>II. Educate the student as a senior electrical engineer to enable creative thinking, to be independently complete the assigned tasks and be willing to work as a team member.</p> <p>III. Educate students to have advanced global awareness to cope with the challenges of modern diversified professor careers.</p>			
Subject Departmental core competences			
<p>B. Have the ability to plan and execute electrical engineering research studies.(ratio:20.00)</p> <p>C. Have the ability to prepare professional papers in the electrical engineering field. (ratio:40.00)</p> <p>E. Have the ability to lead, manage, plan, coordinate and integrate personnel from various fields.(ratio:20.00)</p> <p>F. Have advanced global awareness and the ability of lifelong self-study.(ratio:20.00)</p>			
Subject Schoolwide essential virtues			
<p>1. A global perspective. (ratio:40.00)</p> <p>5. Independent thinking. (ratio:25.00)</p> <p>6. A cheerful attitude and healthy lifestyle. (ratio:25.00)</p> <p>8. A sense of aesthetic appreciation. (ratio:10.00)</p>			
Course Introduction	Let students understand the differences between technical writing and normal daily writing with emphasis on how to find, read, summarize and write technical documents in a professional manner.		

**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 let students be able to write technical documents and deliver professional talks.	Psychomotor

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

No.	Core Competences	Essential Virtues	Teaching Methods	Assessment
1	BCEF	1568	Lecture, Discussion, Publication, Experience	Study Assignments, Discussion(including classroom and online), Report(including oral and written)

**Course Schedule**

Week	Date	Course Contents	Note
1	108/09/09 ~ 108/09/15	Course Overview	
2	108/09/16 ~ 108/09/22	Differences of Technical Writing	
3	108/09/23 ~ 108/09/29	Finding what you want - I	
4	108/09/30 ~ 108/10/06	Finding what you want - II	
5	108/10/07 ~ 108/10/13	Efficient Reading of Technical Documents - I	
6	108/10/14 ~ 108/10/20	Efficient Reading of Technical Documents - II	
7	108/10/21 ~ 108/10/27	Summarizing and Dissemination of Literature - I	
8	108/10/28 ~ 108/11/03	Summarizing and Dissemination of Literature - II	
9	108/11/04 ~ 108/11/10	Main parts of technical Documents	
10	108/11/11 ~ 108/11/17	Midterm	
11	108/11/18 ~ 108/11/24	How to begin writing - I	

12	108/11/25 ~ 108/12/01	How to begin writing - II	
13	108/12/02 ~ 108/12/08	Common errors of technical writing - I	
14	108/12/09 ~ 108/12/15	Common errors of technical writing - II	
15	108/12/16 ~ 108/12/22	Student Presentation - I	
16	108/12/23 ~ 108/12/29	Student Presentation - II	
17	108/12/30 ~ 109/01/05	Student Presentation - III	
18	109/01/06 ~ 109/01/12	Finals and Student Presentation - IV	
Requirement			
Teaching Facility	Computer, Projector		
Textbooks and Teaching Materials	上課投影片		
References			
Number of Assignment(s)	(Filled in by assignment instructor only)		
Grading Policy	◆ Attendance : 20.0 %   ◆ Mark of Usual : 40.0 %   ◆ Midterm Exam :   % ◆ Final Exam :   % ◆ Other 〈期末報告〉 : 40.0 %		
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>		