

## Tamkang University Academic Year 109, 1st Semester Course Syllabus

Course Title	TECHNICAL WRITING	Instructor	PETER LIU
Course Class	TETEM1S MASTER'S PROGRAM IN ROBOTICS ENGINEERING, 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			
<ul style="list-style-type: none"> <li>I. Educate students to have electrical and robotic engineering knowledge to solve electrical engineering related problems.</li> <li>II. Educate the student as a senior electrical and robotic engineer to enable creative thinking, to be independently complete the assigned tasks and be willing to work as a team member.</li> <li>III. Educate students to have advanced global awareness to cope with the challenges of modern diversified professor careers.</li> </ul>			
Subject Departmental core competences			
<ul style="list-style-type: none"> <li>B. Core competency 1.2: Have the ability to plan and execute electrical and robotic engineering research studies.(ratio:20.00)</li> <li>C. Core competency 2.1: Have the ability to prepare professional papers in the electrical and robotic engineering field.(ratio:40.00)</li> <li>E. Core competency 2.3: Have the ability to lead, manage, plan, coordinate and integrate personnel from various fields.(ratio:20.00)</li> <li>F. Core competency 3.1: Have advanced global awareness and the ability of lifelong self-study.(ratio:20.00)</li> </ul>			
Subject Schoolwide essential virtues			
<ul style="list-style-type: none"> <li>1. A global perspective. (ratio:40.00)</li> <li>5. Independent thinking. (ratio:25.00)</li> <li>6. A cheerful attitude and healthy lifestyle. (ratio:25.00)</li> <li>8. A sense of aesthetic appreciation. (ratio:10.00)</li> </ul>			

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.
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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	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	109/09/14 ~ 109/09/20	Course Overview	
2	109/09/21 ~ 109/09/27	Differences of Technical Writing	
3	109/09/28 ~ 109/10/04	Finding what you want - I	
4	109/10/05 ~ 109/10/11	Finding what you want - II	

5	109/10/12 ~ 109/10/18	Efficient Reading of Technical Documents - I	
6	109/10/19 ~ 109/10/25	Efficient Reading of Technical Documents - II	
7	109/10/26 ~ 109/11/01	Summarizing and Dissemination of Literature - I	
8	109/11/02 ~ 109/11/08	Summarizing and Dissemination of Literature - II	
9	109/11/09 ~ 109/11/15	Main parts of technical Documents	
10	109/11/16 ~ 109/11/22	Midterm	
11	109/11/23 ~ 109/11/29	How to begin writing - I	
12	109/11/30 ~ 109/12/06	How to begin writing - II	
13	109/12/07 ~ 109/12/13	Common errors of technical writing - I	
14	109/12/14 ~ 109/12/20	Common errors of technical writing - II	
15	109/12/21 ~ 109/12/27	Student Presentation - I	
16	109/12/28 ~ 110/01/03	Student Presentation - II	
17	110/01/04 ~ 110/01/10	Student Presentation - III	
18	110/01/11 ~ 110/01/17	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	<p>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>.</p> <p><b>※ Unauthorized photocopying is illegal. Using original textbooks is advised. It is a crime to improperly photocopy others' publications.</b></p>
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