

Tamkang University Academic Year 109, 2nd Semester Course Syllabus

Course Title	PAPER WRITING TECHNIQUE	Instructor	PETER LIU
Course Class	TETXD1A DOCTORAL PROGRAM, DEPARTMENT OF ELECTRICAL AND COMPUTER ENGINEERING, 1A	Details	<ul style="list-style-type: none"> ◆ General Course ◆ Selective ◆ One Semester
Relevance to SDGs	SDG1 No poverty SDG4 Quality education SDG9 Industry, Innovation, and Infrastructure SDG16 Peace, justice and strong institutions		
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			
I. Educate students to have electrical and robotic engineering knowledge to solve electrical engineering related problems. 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. III. Educate students to have advanced global awareness to cope with the challenges of modern diversified professor careers.			
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			
B. Core competency 1.2: Have the ability to plan and execute electrical and robotic engineering research studies.(ratio:40.00) C. Core competency 2.1: Have the ability to prepare professional papers in the electrical and robotic engineering field.(ratio:40.00) E. Core competency 2.3: Have the ability to lead, manage, plan, coordinate and integrate personnel from various fields.(ratio:20.00)			
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			
1. A global perspective. (ratio:40.00) 4. Moral integrity. (ratio:20.00) 5. Independent thinking. (ratio:20.00) 8. A sense of aesthetic appreciation. (ratio:20.00)			

Course Introduction	This course covers technical communication in general with emphasis on technical paper writing and verbal communications (including presentations).
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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	This course covers technical communication in general with emphasis on technical paper writing and verbal communications (including presentations).	Cognitive

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

No.	Core Competences	Essential Virtues	Teaching Methods	Assessment
1	BCE	1458	Discussion, Practicum	Report(including oral and written), Activity Participation

Course Schedule

Week	Date	Course Contents	Note
1	110/02/22 ~ 110/02/28	Course prerequisites and introduction to technical writing	
2	110/03/01 ~ 110/03/07	Research Flow and Literature Review	
3	110/03/08 ~ 110/03/14	Problem Statement and Research Method	
4	110/03/15 ~ 110/03/21	Parts of a Technical Paper	

5	110/03/22 ~ 110/03/28	Executing the writing process - I	
6	110/03/29 ~ 110/04/04	Executing the writing process - II	
7	110/04/05 ~ 110/04/11	Utilizing graphics and visuals - I	
8	110/04/12 ~ 110/04/18	Utilizing graphics and visuals - II	
9	110/04/19 ~ 110/04/25	Analyze a process	
10	110/04/26 ~ 110/05/02	Describing mechanisms and giving instructions	
11	110/05/03 ~ 110/05/09	Writing proposals - I	
12	110/05/10 ~ 110/05/16	Writing proposals - II	
13	110/05/17 ~ 110/05/23	Managing Visual Communications - I	
14	110/05/24 ~ 110/05/30	Managing Visual Communications - II	
15	110/05/31 ~ 110/06/06	Student Presentations - I	
16	110/06/07 ~ 110/06/13	Student Presentations - II	
17	110/06/14 ~ 110/06/20	LaTeX-II	
18	110/06/21 ~ 110/06/27	Supplementary teaching: LaTeX-I	
Requirement	全英文授課		
Teaching Facility	Computer		
Textbooks and Teaching Materials	Course foils		
References			
Number of Assignment(s)	5 (Filled in by assignment instructor only)		
Grading Policy	◆ Attendance : 30.0 % ◆ Mark of Usual : % ◆ Midterm Exam : % ◆ Final Exam : 30.0 % ◆ Other 〈期末報告〉 : 40.0 %		

Note	<p>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.</p> <p>※ Unauthorized photocopying is illegal. Using original textbooks is advised. It is a crime to improperly photocopy others' publications.</p>
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