

Tamkang University Academic Year 108, 2nd Semester Course Syllabus

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| 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 |
| 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 | | | |
| <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:40.00)</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> | | | |
| Subject Schoolwide essential virtues | | | |
| <p>1. A global perspective. (ratio:40.00)</p> <p>4. Moral integrity. (ratio:20.00)</p> <p>5. Independent thinking. (ratio:20.00)</p> <p>8. A sense of aesthetic appreciation. (ratio:20.00)</p> | | | |
| 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 | 109/03/02 ~ 109/03/08 | Course prerequisites and introduction to technical writing | |
| 2 | 109/03/09 ~ 109/03/15 | Research Flow and Literature Review | |
| 3 | 109/03/16 ~ 109/03/22 | Problem Statement and Research Method | |
| 4 | 109/03/23 ~ 109/03/29 | Parts of a Technical Paper | |
| 5 | 109/03/30 ~ 109/04/05 | Executing the writing process - I | |
| 6 | 109/04/06 ~ 109/04/12 | Executing the writing process - II | |
| 7 | 109/04/13 ~ 109/04/19 | Utilizing graphics and visuals - I | |
| 8 | 109/04/20 ~ 109/04/26 | Utilizing graphics and visuals - II | |
| 9 | 109/04/27 ~ 109/05/03 | Analyze a process | |
| 10 | 109/05/04 ~ 109/05/10 | Describing mechanisms and giving instructions | |

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| 11 | 109/05/11 ~ 109/05/17 | Writing proposals - I | |
| 12 | 109/05/18 ~ 109/05/24 | Writing proposals - II | |
| 13 | 109/05/25 ~ 109/05/31 | Managing Visual Communications - I | |
| 14 | 109/06/01 ~ 109/06/07 | Managing Visual Communications - II | |
| 15 | 109/06/08 ~ 109/06/14 | Student Presentations - I | |
| 16 | 109/06/15 ~ 109/06/21 | Student Presentations - II | |
| 17 | 109/06/22 ~ 109/06/28 | LaTeX-II | |
| 18 | 109/06/29 ~ 109/07/05 | 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 | 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. | | |