

### Course Syllabus

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|-----|--------------------------------|---|
| 1.  | Course Code                    | 5500 308  |
| 2.  | Number of Credits              | 3 credits   |
| 3.  | Course Title                   | Technical Writing for Engineering   |
| 4.  | Faculty/Department             | Chulalongkorn University Language Institute<br>Division of English for Science and<br>Technology  |
| 5.  | Semester                       | Second semester   |
| 6.  | Academic Year                  | 2021  |
| 7.  | Pre-requisite                  | 5500 208  |
| 8.  | Type of Course                 | Compulsory  |
| 9.  | Names of Instructors           | CULI academic staff   |
| 10. | Level                          | Undergraduate, Third year   |
| 11. | Contact Hours                  | 3   |
| 12. | Course Description             | The course focuses on writing summaries and reports on engineering topics. Discussion and presentation of engineering materials are also included.  |
| 13. | Course Information/Instruction |   |
|     | 13.1 Course Objectives         | <p>At the end of the course, students will be able to:</p> <ul style="list-style-type: none"> <li>• Use synonyms, change from the active voice to the passive voice and vice versa, change parts of speech, and modify sentence structures;</li> <li>• Paraphrase and summarize texts;</li> <li>• Write simple engineering definitions;</li> <li>• Write simple instructional and experimental process descriptions;</li> <li>• Follow the organizational conventions of reports, including the introduction, the materials and methods, the results, the discussion, and the conclusion; and</li> <li>• Write reports of studies and experiments.</li> </ul> |

## 13.2 Course Contents

- Unit 1: Paraphrasing and Summarizing
- Unit 2: Definitions
- Unit 3: Processes
- Unit 4: Abstracts and Introductions
- Unit 5: Methods and Results
- Unit 6: Discussions and Conclusions

## 13.3 Class Management/Instruction

- Lecture
- Discussion/group discussion
- Group work
- Research

## 13.4 Instructional Media

- Visualizer/LCD/Whiteboard
- Supplementary materials
- Web-based materials

## 13.5 Course Evaluation

• Midterm examination	25%
• Final examination	25%
• Final report	20%
• Quizzes	20% (2 times/10 pts each)
• Participation	10%
Total	100%

**Remarks: 1. A final grade of F will be given to students who have only a Mid-term and a Final exam score without any scores for formative assessment, i.e. final report, in-class writing assignments, and participation, at the end of the course.**

**2. Carefully read the document entitled 'Academic Integrity'. Violations of academic integrity are by no means tolerated. Students whose conduct suggests any form of academic integrity violations—whether directly or indirectly, deliberately or inadvertently, or explicitly or implicitly—will face a disciplinary action pursuant to Chulalongkorn University Regulations Relating to Bachelor's Degree Program Dated 2560 B.E., the consequence of which could be an F in this course, a W in all the courses enrolled this semester, and/or a conduct score deduction.**

14. Textbook

- Technical Writing for Engineering Book

15. References

Swales, J. M. (1971). *Writing scientific English*. London: Thomas Nelson and Sons.

Swales, J. M. (1990). *Genre analysis: English in academic and research settings*.  
Cambridge: Cambridge University Press.

Swales, J. M. and Feak, C. B. (2004). *Academic writing for graduate students: essential tasks and skills*. 2<sup>nd</sup> Edition. Ann Arbor: University of Michigan Press.

**Teaching Schedule  
January – May 2022**

Week	Date	Content/Activities	Notes
1	Jan 10 – Jan 14	- Course Orientation - Unit 1: Paraphrasing and Summarizing	
2	Jan 17 – Jan 21	- Unit 1: Paraphrasing and Summarizing	
3	Jan 24 – Jan 28	- Unit 1: Paraphrasing and Summarizing	
4	Jan 31 – Feb 4	- Unit 2: Definitions	
5	Feb 7 – Feb 11	- Unit 2: Definitions	
6	Feb 14 – Feb 18	- Unit 3: Processes	
7	Feb 21 – Feb 25	- Unit 3: Processes	
8	Feb 28 – Mar 4	- Unit 3: Processes	Quiz I: Units 1 and 3 (10:50-12:00 hrs)
9	Mar 7 – Mar 11	<b>Mid-term Examination Week</b>	<b>Units 1 – 3</b>
10	Mar 14 – Mar 18	- Final report assignment, group formation, and topic selection	
11	Mar 21 – Mar 25	- Unit 4: Abstracts and Introductions	
12	Mar 28 – Apr 1	- Unit 4: Abstracts and Introductions	
13	Apr 4 – Apr 8	- Unit 5: Methods and Results	
14	Apr 11 – Apr 15	- Unit 5: Methods and Results	Wed, Apr 13 – Fri, Apr 15 Songkran Festival
15	Apr 18 – Apr 22	- Unit 6: Discussions and Conclusions	
16	Apr 25 – Apr 29	- Unit 6: Discussions and Conclusions	
17	May 2 – May 6	- Unit 6: Discussions and Conclusions	Quiz II: Units 4 and 5 (10:50-12:00 hrs)
17	May 9 – May 24	<b>Final Examination Weeks</b>	<b>Units 4 – 6</b>

**Mid-term Examination\* (Units 1-3): 08:30-10:30, March 7, 2022**

**Final Examination\* (Units 4-6): 13:00-15:00, May 11, 2022**