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國立高雄科技大學
NATIONAL KAOHSIUNG
UNIVERSITY OF SCIENCE
AND TECHNOLOGY
授課大綱 Syllabus

部別：日間部博士

112學年度第2學期

列印日期：2024/03/01

中文課程名稱：工程寫作與發表	英文課程名稱：Technical Writing and Presentation	授課教師：陳錫添
開課班級：工科博士班一甲	學分：3.0	授課時數：3.0
合班班級：環安博士班一甲, 環安博士班二甲, 工科博士班二甲, 工科博		實習時數：0.0

1. 中文教學目標(Chinese Teaching objectives)
書寫與口頭發表是兩種學術溝通的主要方式。有效率溝通一直都是值得做研究者必要思考的問題。本課程旨在讓學生有機會能學得在學術書寫與發表中的必需要素。這些要素能提升研究者在多方面的技巧，包括(但不限於)：(1) 資料整合、(2) 報告檔準備、及文章寫作練習等。

2. 英文教學目標(English Teaching objectives)
Learn to (1) data collection and sorting, (2) writing and oral presentation, and (3) paper revising.

3. 中文教學綱要(Chinese CourseDescription)
順暢溝通是在學術觀念傳遞及科研必要方式，尤其在推動國際化上更是如此。本課程特色不僅在教授如何以英文表達個人研究，更是給身在國內學習同學一個絕佳機會，讓他們與國際溝通成為可能。這絕對是一門值得修讀的課程。

4. 英文教學綱要(English CourseDescription)
Smooth communication in academic society is a must in terms of internationalization in ideas and scientific studies. The design of this course is not only teaching the use of English in research explanation but also giving a great opportunity that allows domestic students to commute with students from foreign countries. It is worth of taking.

5. 中文核心能力			
核心能力名稱(中)	核心能力名稱(英)	核心能力百分比	備註
接軌國際產研的能力	Capabilities of connecting with international industry-academia collaboration.		全球化時代裡，高階研發人才須有宏觀的視野，能將自己與國際接軌，知悉世界的產業脈動，並能推展自己研發的新技術給世界。
評析剖解問題的能力	Capabilities of analyzing problems.		對於新知的學習與問題的解決，需具有系統性、全面性的思維，不是單點、局部地吸受新知或看待問題。
創新專業學理的能力	Capabilities of innovating professional theory.		工研所的功能在於培育高階學術研究人才，能夠在研究上提出創新的學術理論，進而具有以專業的學識創新創業的能力。

無英文核心能力資料。

7. 教科書
中文書名：- Chen, Shyi-Tien. 2024. Lecture notes of the course "Technical Writing and Presentation". For teaching only. All rights reserved. 英文書名： 中文作者： 英文作者： 中文出版社： 英文出版社： 出版日期： 年 月 備註：

8. 參考書

中文書名：- The Bedford Handbook 10th Edition by Diana Hacker and Nancy Sommers, 2016, Bedford/St. Martin's, pp960. 英文書名：

中文作者： 英文作者：

1 中文出版社： 英文出版社：

出版日期：年 月 備註：

9. 教學進度表

週次或項目 Week or Items	中文授課內容 Chinese Course Content	英文授課內容 English Course Content	分配節次 Assigned Classes	備註 Note
1	see English Course Content for detail	Class opening		
2		My believe in teaching and learning + Self-introduction (1/3)		
3		Curriculum vitae (CV) + Self-introduction (2/3)		
4		CV writing + Self-introduction (3/3; final version due)		
5		Writing and presentation in general + spelling contest		
6		Write and present a journal article + CV due		
7		Business pitches		
8		Gesture matters		
9		Mid-term exam (write out the key points of your research/field of study)		
10		Preparing your own research slides (1/3)		
11		Preparing your own research slides (2/3)		
12		Preparing your own research slides (3/3;		

ppt file due)

13 Conference info +
Writing a manuscript

14 Preparing your own
manuscript (1/3)

15 Preparing your own
manuscript (2/3)

16 Preparing your own
manuscript (3/3); your
manuscript due)

17 Submitting a
manuscript

18 Final exam (receipt of
your manuscript
submission)

10. 中文成績評定(Chinese Evaluation method)

Practice writing (homework) 30% Mid-term project 30% Final project 40% Total 100%

11. 英文成績評定(English Evaluation method)

Practice writing (homework) 30% Mid-term project 30% Final project 40% Total 100%

12. 中文課堂要求(Chinese Classroom requirements)

Massive tasks have to be done during a technical writing and presentation project. Experimentation, data collection and analysis, and conclusion making are some critical steps before writing a manuscript. It's never an easy task in terms of writing, yet a writing task is seldom learned systematically in a class. To write and to present are two basic ways to commute with academic society about one's research. How to commute in an effective mean without any ambiguity deserves all of us to think it over. Several important tasks will be addressed repeatedly in the class, including: introduction of technical writing and presentation, how to prepare a resume, paper review, making presentation slides, writing an abstract, writing practice, and manuscript submission. Also there will be mid-term and final exams, along with three writing homework in the class. A hands-on practice in writing and presentation is to be comprehended by students after going through the lectures of these tasks. Smooth communication in academic society is a must in terms of internationalization in ideas and scientific studies. The design of this course is not only teaching the use of English in research explanation but also giving a great opportunity that allows domestic students to commute with students from foreign countries. It is worth of taking.

13. 英文課堂要求(English Classroom requirements)

Massive tasks have to be done during a technical writing and presentation project. Experimentation, data collection and analysis, and conclusion making are some critical steps before writing a manuscript. It's never an easy task in terms of writing, yet a writing task is seldom learned systematically in a class. To write and to present are two basic ways to commute with academic society about one's research. How to commute in an effective mean without any ambiguity deserves all of us to think it over. Several important tasks will be addressed repeatedly in the class, including: introduction of technical writing and presentation, how to prepare a resume, paper review, making presentation slides, writing an abstract, writing practice, and manuscript submission. Also there will be mid-term and final exams, along with three writing homework in the class. A hands-on practice in writing and presentation is to be comprehended by students after going through the lectures of these tasks. Smooth communication in academic society is a must in terms of internationalization in ideas and scientific studies. The design of this course is not only teaching the use of English in research

explanation but also giving a great opportunity that allows domestic students to commute with students from foreign countries. It is worth of taking.

14. 本課程與SDGs相關項目(This course is relevant to these of SDGs as following_)

4. 優質教育(Quality Education);8. 尊嚴就業與經濟發展(Decent Work and Economic Growth);17. 夥伴關係(Partnerships for the Goals);

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