雙語標竿學院，透過英語增能課程培育國際人才

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本學院在 110 年度被教育部列為雙語標竿學院，為了提升本院學生的英語能力，晉升為國際人才，資訊學院開設了專屬於資工學生的英語課程，旨在輔助本院碩、博班生增進一般聽力與口說英語能力及學術閱讀及寫作英語能力，學生可依據學習需求彈性選擇課程。本學期共有四種課程讓同學們參與：英語溝通與表達、英文寫作邏輯與概念、論文篇章邏輯與概念和學術文獻閱讀技巧解析。課程豐富，訓練紮實，以下是學生參與課程的心得：

陳志祥（曾建超老師實驗室）

在英語增能寫作課程裡，你會學到如何在文章中安排你的邏輯，引導讀者一步一步理解你想傳達的事情。除了加強寫作能力外，會推薦寫作課的額外原因有兩個：認真的講師與貼近生活的教材。每堂課裡，老師會讓你練習課堂上所學的寫作技巧，老師也會對你所寫的字句給一些點評。在點評的過程中，老師的語氣都是鼓勵式的，給人的感覺完全不具有壓迫感。除此之外，課堂中教材也會從指導老師發過的論文來當範例。這樣的好處在於不只是驗證在課程所學確實能應用到學術界，也能學習到自己的指導老師常用的單字與句型。

李善新（謝續平教授實驗室）

「準備好一場演講，最重要的是瞭解他的聽眾。」論文寫作也是一樣，但聽眾的角色成了指導教授、審稿學者及編輯。這些角色根據徵稿的主題審視論文，然而，各個主題及專業領域中的詞彙、用語、形容事物的方法大相徑庭，使得不論是授業的一方或學習的一方，科技論文寫作的門檻及挑戰都極為艱鉅。為此，英語增能課程的老師根據不同主題、專業領域、甚至對應不同投稿類型（研討論文、期刊論文、研究型、調查型、長篇、短篇等）分析文章結構及作方法，並透過高度專一的教學模式，將同實驗室的同學集合成小班，讓同學們從指導教授的文章開始分析、臨摹，進而學習正確的寫作方法，有效提升寫作能力。可期待的，下次寫作來臨，面對的不再是一分空白的文件，而是腦海中早已有所輪廓了。

黃柏勳（蕭子健教授實驗室）

大家好，我是資科工所蕭子健老師實驗室的博士生黃柏勳，上兩個學期很榮幸可以上到 Willy 老師的英文論文寫作課，我本身多年前也有修過科技英文的論文寫作課，然而經過時光和年紀的摧殘，雖仍能把握大方向的原則撰寫論文，但細節的部份卻已大多無法掌握，導致撰寫論文的品質遲遲維持在雖可接受，但又不夠好的瓶頸，而透過這兩個學期 Willy 老師深入淺出教學中，又讓我重新回憶起那些被忘記的過去，此外 Willy 老師的課程也提供了許多撰寫論文時不同的思考面相，相信結合過去所學，能將自己撰寫論文的能力更上一層樓。

這兩個學期的課程中主要著重在 Introduction 的部分，從將文章分小區塊進行分析到大區塊的探討邏輯問題，Willy 老師也都手把手的一一示範給我們看，同時也有提出一些不同的想法可供我們思考，或是如何修改可以使文章更流暢等等，其中 Willy 老師也對我們撰寫的文章給予許多建議，使我們有更直接的回饋，進而改善我們一些撰寫論文時的壞習慣。除此之外，Willy 老師會根據實驗室性質挑選示範用的論文，更能讓同實驗室一起上課的夥伴，尤其是尚未寫過論文的碩士生，更好的理解為什麼我們的領域要這麼寫，甚至也有挑選實驗室學長姐或指導教授已發表的論文，偷偷的學習他們的撰寫習慣，可以讓論文風格更符合指導教授習慣，減少未來可能的衝突。

Willy 老師的課整體而言難度適中，對於有撰寫論文經驗的學生來說是很好的複習與檢討自己過去文章的機會，對於沒有撰寫論文經驗的學生來說是很好的入門學習，且不只是學習如何撰寫論文，Willy 老師教如何撰寫 Introduction 的方法其實和做研究的流程類似，就是從背景，動機，限制到發想的過程，撰寫 Introduction 時將這中間的邏輯前因後果串接清楚，也能幫助我們更了解自己的研究，不管在未來是為了課業，為了畢業，亦或是為了工作，這些邏輯思考的技巧都能派上很大的用場！

杜葳葳（彭文志教授實驗室）

在六週的課程中，每週會深入探討一個主題，除了輪流上台用英文演說和同學分組練習英文對話，老師也向我們講授一些英文提問和回答的技巧，還特別在課程中設計有趣的小遊戲，讓我們可以更自然的沈浸在英文的世界。碩班的生活較為單一、多數時間都埋首在自己的研究領域，能有每週三小時的時間上英文口說課，不但超抒壓，同時也可以加強英文口說能力。每次三小時的課程都覺得時間過得超快，下課時總覺得意猶未盡，真的是從小時候開始學英文以來，第一次每週都這麼期待上英文課。很感謝 Selina 老師這麼用心的設計和講授課程，超級推薦給每個覺得英文只是一門枯燥乏味的學科的同學，六週的時間也許無法讓你的英文有大幅進步，但能讓你覺得開口說英文是件有趣好玩的事。

張瑜捷（彭文志教授實驗室）

不同於以往接觸到的英文課程，本課程將團隊分成小組，以小組為單位帶領大家進行不同主題的討論，內容豐富且生活化，涵蓋電影、科技、心理學等等，Selina 老師會補充主題式單字，也會拋出不同的開放式問題，鼓勵大家分享自己的想法，在這樣有趣的課程設計與老師活潑的引導下，我們可以用比較放鬆的狀態去表達！非常推薦想要增進英語聽說能力的學生們來參與此課程，跟熟悉的團隊在輕鬆的氛圍下一起學習，是相當幸福的體驗！

王威堯（彭文志教授實驗室）

我和我實驗室的成員在這學期一起參與了資訊學院所提供的英語溝通與表達課程。本課程主要介紹一些對於公共演說和溝通所需的英語技能，而這些對我的口說能力是有幫助的。舉例來說，課堂上介紹在研討會時所需的答問技巧，而我剛好對這個部分非常有興趣，且可以直接應用在我近期的兩場研討會上。課堂上的氣氛是輕鬆舒適，一開始對於在公共場合講英文這件事我是比較緊張的，但 Selina 老師會鼓勵我們用英文針對不同主題來表達想法。我認為培養良好的英語能力對與資工系學生是非常重要的，除了我們系上有許多外籍學生需要溝通和合作之外，未來也是有機會在國外攻讀資工相關學業或就業。因此，推薦您報名這樣的課程來提升自身的英語能力。

Cultivating International Talents through English Enhancement Courses as a Bilingual Benchmark College

The college of Computer Science was selected as one of the benchmark bilingual colleges by MOE. To enhance the English language ability of the Computer Science students and to promote them as international talents, the Department of Computer Science of National Yang Ming Chiao Tung University (NYCU) offers English enhancement courses to improve their general English and academic English abilities. Students can select the courses according to their learning needs for English. Four types of courses were provided during this semester, including English Communication and Delivery, The Introduction to English Writing and English Logic 1, The Introduction to English Writing and English Logic 2, and Academic Reading Course for Graduate Beginners. The following are students' reflections after joining these courses.

Jack Chen (Wireless Internet Laboratory)

In this writing course of the CS English Enhancement Program, you will learn how to organize the logic in the messages that you want to deliver to your target readers step by step. In addition to strengthening your writing skills, this course is highly recommended for two reasons: A Hard-working instructor and very useful learning materials. In each class, the instructor

will let you practice the writing skills you learned in class, and he will also give you a few comments on writing. However, our instructor's tone during the critique is often encouraging and he does not put too much pressure on students at all. Besides, the materials in the classroom will also include examples from papers written by our advisors. The advantage of this is not only to verify that what you have learned in the course can be practically applied to academia but also to learn the vocabulary and sentence patterns commonly used by your advisors.

Andrew Lee (TWISC Lab)

"The most important thing in preparing a speech is to understand your audience." The same is also true for academic writing, but the role of the audience becomes your professor, a reviewer, or an editor. However, the vocabulary, terminology, and ways of describing things vary greatly among different topics and fields, which can be challenging to have an effective learning result for instructors and students. Thus, the writing instructor of the CS English Enhancement Program helped the CS students develop their academic writing skills by analyzing the structure of writings according to different fields and

even different types of submissions, including research papers and journal articles in Computer Science. Students from the same lab are organized in small classes and the instructor uses their advisor's writings for students to learn professional academic writings. In this way, students will be able to learn to improve their writing skills effectively by having a clearer picture in their minds.

Po-Hsun Huang (Virtual Biomedical Management Lab)

Hi. I am Po-Hsun Huang, and I am a Ph.D. student from VBM lab. It was my pleasure to be able to join Willy Wang's writing courses for 2 semesters. I had taken some writing courses before, but I forgot most of the important details in writing. As a result, my research papers' quality was at an acceptable level but was not good enough for a Ph.D. student. Through Willy's instruction, I was able to review what I learned and also apply new concepts in writing. I believe this will take my academic writing skills to the next level. During these two semesters, the course focused mainly on the Introduction section. Our instructor guided us and showed the logic in writing from analyzing the texts into smaller sections. He also provided some suggestions to make those writings better, or encouraged us to think about how we could revise the writings. During the class, Willy also provides some feedback about our own essays, so that we can have more clues about some of the bad habits when writing academic papers. In addition, the learning materials in the class were chosen according to the field of our lab, which helped us to better understand the writing styles of our fields or the examples written by previous students or our advisor, and learn from them. It was very useful, especially for the master's students who have not written academic writings before. The difficulty of Willy's course can be applied to students across different levels. It was a good opportunity for experienced students to review their past work, and also a good introductory course for beginners to learn. Willy also taught us that writing an introduction chapter was very similar to conducting research, which requires you to critically think about background, motivation, and limitations of your own writing. Training the logic in writing does not only help writing research, it is also beneficial for taking courses, graduation, and your future work.

Wei-Wei Du (ADSL Lab)

During this 6-week course, we focused on one topic each time. In addition to taking turns to speak in English on stage and practicing English conversations in groups, our instructor taught us some strategies for answering and asking questions in English. In addition, some interactive games that helped us to immerse

ourselves in the world of English more naturally. The life of a master's program is rather monotonous because most of the time we need to do our research. Having some time to speak in English could enhance our English ability as well as reduce some stress from our routine. Overall, I had a great time during the courses, and it always felt like the time flew very quickly which made me look forward to the class each time. I'd like to show my appreciation to our course instructor, Selina. Her course is highly recommended for students who want to practice using English as a skill, rather than just a subject at school. Certainly 6 weeks is too short to have a great improvement, but you will be more motivated to learn English after joining this course.

Jessie Chang (ADSL Lab)

Unlike the English courses we took before, in this course, we were divided into small groups to do discussion across different topics. For example, we talked about movies, technology, psychology, etc. Our instructor, Selina, would give us some additional information about the weekly vocabulary and ask some questions related to the topics to encourage us to share some ideas. In this way, we could express ourselves in a more relaxed vibe with such an interesting course design and lively guidance from our instructor. Students who want to improve their English listening and speaking skills are highly recommended to take this course. Overall it was quite a pleasant learning experience to be able to learn with my lab members.

Wei-Yao Wang (ADSL lab)

My lab members and I joined English for Communication and Delivery Course this semester. The course introduced some methods and skills for presenting in public and English communication, which helped me to enhance my speaking ability. For example, I was interested in the tips for presenting at a conference because I had two presentations coming up recently and I could apply those skills to my presentations. Besides, the atmosphere during the course was quite relaxing for me to practice my speaking. In the beginning, I was afraid of speaking in English publicly, but our instructor, Selina, encouraged us to express our opinions about different topics in English. I think speaking English is quite important for Computer Science major students not only because there are many foreign students in our department, but also you could increase your chances to further study or work abroad in the future in the computer science domains. Thus, I strongly recommend students in our department participate in these courses to improve the necessary English skills.