探索教學之道
曾意儒老師與陳奕廷老師經驗分享

文／鍾乙君

國立陽明交通大學自 2018 年起與英國 Advance HE 合作，與英國 Advance HE 的合作，成立了國際高等教育培訓暨認證中心（Higher Education Accreditation for Teaching, HEAT）。中心旨在為教師提供了一個獲得國際認可的平台，能夠提升個人的教學能力和專業水平，提升高等教育的專業教學能力和技巧，使教學水平符合國際高等教育專業標準（Professional Standards Framework, UKPSF），同時協助教師申請或獲得國際高等教育專業認證（HEA Fellowship）。而本院已有 10 位教師獲得了國際高等教育專業認證，其中包括 1 位 Senior Fellowship、8 位 Fellowship 和 1 位 Associate Fellowship。

此次分享會我們邀請到資訊學院的曾意儒副教授與陳奕廷助理教授來為了我們解惑國際高等教育培訓暨認證能夠帶給高教人員什麼樣的心得收穫，他們又在認證過後如何將課程內容應用到教學中。

曾意儒提到國際高等教育培訓暨認證課程結構安排緊湊，所以要求參與者必須保留足夠的時間參加課程，課程內容涵蓋了有關國際高等教育培訓和認證的相關資訊，以及教學技巧的培養。在課堂上，老師們將教學視為一種研究，評估並改進自己的教學方法，力求提出問題、定義問題，最終解決問題。課程還提供了不同學院的教授分享教學經驗並互相回饋的機會，這使得參與者能夠了解到不同學院教學方法的差異，並促進教學交流。

而陳奕廷在分享會上也提及，他了解高教人員在教學上與實務研究上的不平衡之處，並認為

在場大部分參與者都是在各自領域非常優秀的專家，但教學和研究是兩個不同的專業領域，許多教授可能在教學方面缺乏相應的專業技能，因此參加國際高等教育培訓是非常必要的。他呼籲想要參與國際高等教育培訓的教師需要思考自己到底想要教給學生什麼，並尋找適合的教學方法。像是他在課程結束後將內容應用到自己的教學中，通過提供實例教學來培養學生的興趣、鼓勵學生積極參與討論，以促進學生的學習。同時，陳奕廷還利用各種互動網站和工具，如 kahoot，來提高課堂的活躍度，並激發學生的學習興趣。他也提到通過評估學生的學習程度，教師才發現自己的教學方法並不總是能夠讓所有學生理解。這促使他們意識到設計初學者課程和入門課程的重要性，並開始思考如何更好地向學生傳授知識。

曾意儒的分享為教師提供了許多寶貴的教學啟示，強調了不斷學習和改進的重要性，以提高教學水平和學生的學習效果，同時將教學視為一項挑戰和機會，試圖找出問題並解決問題的重要性。陳奕廷在會議上也分享了他的心得，他認為教授們在教學中常常面臨挑戰，尤其是專業知識的傳授和與學生的互動。此外，陳奕廷還提到了評估學生學習程度的重要性。他主動與學生交流，了解他們的學習進度和需求，並根據反饋信息調整教學方法和內容，以確保學生的學習效果。他們勇於面對教學的挑戰和機遇，並分享了自己在教學實踐中的心得和方法，這對於提升教師的教學水平和學生的學習效果都具有重要意義。本院期許有更多的教職人員參與此培訓，共同為陽明交大的學習環境努力，從不停止進步。

Exploring the Way of Teaching:
Teaching Insights from Yi–Ju Tseng and Yi–Ting Chen

Since 2018, National Yang Ming Chiao Tung University has partnered with Advance HE from the United Kingdom to establish the Center of Higher Education Accreditation for Teaching (HEAT). This center is dedicated to offering teachers a globally recognized platform to enhance their teaching skills and adhere to professional standards. It seeks to elevate the professional teaching capabilities and skills in higher education to meet the standards outlined in the UK Professional Standards Framework (UKPSF). Furthermore, it assists teachers in applying for or obtaining international recognition through the Higher Education Academy (HEA) Fellowship. Up to now, the College of Computer Science has seen 10 faculty receive international recognition from Advance HE, comprising 1 Senior Fellowship, 8 Fellowships, and 1 Associate Fellowship.

We have invited Associate Professor Yi-Ju Tseng and Assistant Professor Yi-Ting Chen from the College of Computer Science to share their perspectives on the insights and benefits that the CLTHE (Certificate in Learning and Teaching in Higher Education) program offers to higher education faculty. Additionally, they will discuss how they integrate the course content into their teaching after certification.

Professor Tseng emphasized that the structure of CLTHE courses is intensive, requiring participants to allocate sufficient time for attendance. The course covers relevant information about CLTHE, as well as fostering teaching expertise. In the classroom, participants view teaching as an ongoing research endeavor, where they assess and enhance their instructional approaches. Their goal is to pose inquiries, identify issues, and effectively resolve them. Additionally, the program provides an environment for faculty members from various institutions to exchange teaching experiences and offer mutual feedback, promoting an understanding of diverse teaching methodologies across different colleges and stimulating the exchange of teaching insights.

During the sharing session, Professor Chen discussed the imbalance between teaching and research within the higher education faculty. He acknowledged the expertise of most faculty members in their respective fields but emphasized the distinction between teaching and research as separate professional realms. He pointed out that many professors may lack the necessary teaching skills, highlighting the importance of engaging in the CLTHE program. He encouraged faculty members interested in such training to reflect on their educational objectives and seek appropriate teaching methodologies. As an example, he incorporated concepts from the CLTHE courses into his teaching approach, using practical examples to stimulate student interest, encourage active discussions, and facilitate learning. Additionally, Professor Chen utilized various interactive platforms like Kahoot to enhance classroom participation and ignite student enthusiasm for learning. He also emphasized the significance of evaluating student learning outcomes, noting that such assessments often reveal gaps in teaching effectiveness. This recognition led teachers to acknowledge the necessity of designing beginner and introductory courses and to consider strategies for more effectively imparting knowledge to students.

Professor Tseng's presentation provided faculty members with valuable insights, emphasizing the importance of continuous learning and improvement to enhance teaching quality and student outcomes. She viewed teaching as both a challenge and an opportunity, highlighting the need to identify and solve problems. Similarly, Professor Chen shared his experiences, focusing on the challenges faculty members often face in conveying professional knowledge and interacting with students. He stressed the importance of assessing students' learning progress, actively engaging with students to understand their needs, and adapting his teaching methods and content based on their feedback to ensure effective learning. The commitment of both Professors Tseng and Chen to addressing teaching challenges and sharing their experiences and methods is vital for improving teaching quality and student outcomes. Our college hopes that more faculty members will participate in this program, working together to enhance the learning environment at National Yang Ming Chiao Tung University and continuously striving for progress.