

國立高雄科技大學創新創業教育中心

跨領域實務專題修讀要點

Study Guidelines for the Interdisciplinary Practice Project of the Center for Innovation and Entrepreneurship Education of National Kaohsiung University of Science and Technology

107年11月9日107學年度第1次創新創業教育中心課程委員會會議通過
Approved at the 1st Curriculum Committee Meeting of the Center for Innovation and Entrepreneurship Education in the 2018 Academic Year on November 9, 2018

一、課程定位

「跨領域實務專題(一)、(二)」課程為銜接「創意與創新」學分學程與「創新與創業」學分學程之必修課程，引導學生由創意潛能啟發後，可進階至創新實作/技術發展階段，以與「創意發想產業化」、「研發成果商品化」進行整合與串連。因應多元化社會之學習環境與產業發展趨勢，本課程整合全校師資，運用小組群體學習模式，提供不同專業背景學生跨域學習、合作互動之機會。課程整合各院之教學資源與師資，以提供學生多元、跨域學習之機會。

1. Background and Purpose

The Interdisciplinary Practice Projects I and II are courses for advancing to compulsory courses in the Creativity & Innovation Program and the Innovation & Entrepreneurship Program. They develop students' creative potential for innovation practice/technological development to integrate and connect with the Industrialization of Creative Ideas and the Commercialization of R&D Outcomes. The university-wide faculty coordinates efforts and the group learning approach is adopted to create opportunities for students of different professions to learn from, and cooperate/interact with, each other to meet the needs of the learning environment and industrial trends of a diverse society. The two courses are designed based on teaching resources and faculty of different colleges to provide students with a diverse range of interdisciplinary learning opportunities.

二、課讀規定

- (一)引導學生活用專業、融合跨域知識，發展創新與實作技術。
- (二)開拓學生對其他學科領域之視野，培養跨域學習、團隊合作能力。

2. Teaching Rules

- (1) Guide students to agilely utilize professional and interdisciplinary knowledge and develop techniques for innovation and practice.
- (2) Broaden students' horizons of other disciplines and develop their interdisciplinary learning and teamwork skills.

三、修讀規定

(一)課程安排：

- 1. 「跨領域實務專題」分為「跨領域實務專題(一)」及「跨領域實務專題(二)」。
- 2. 創新模組之必修課程需修習「跨領域實務專題(一)」。
- 3. 跨領域實務專題(一)、(二)主題以有關聯性為原則，指導老師可不同。

3. Study Rules

(1) Curriculum Arrangement:

1. The Interdisciplinary Practice Project consists of the Interdisciplinary Practice Project I and the Interdisciplinary Practice Project II.
2. Students are required to complete the Interdisciplinary Practice Project I for compulsory courses of the Innovation Module.
3. Topics of the Interdisciplinary Practice Project I and Interdisciplinary Practice Project II shall be related. These two courses can be taught by different teachers.

(二)選課方式：

1. 修課學生身分不限，惟碩、博士生不列入畢業學分。
2. 學生自行組成跨領域團隊，至少涵蓋2個以上不同系所學生。由學生與教師共同擬定研究對象、課題，進而整合不同領域學科專業與方法探討議題內容。
3. 學生除於系統選課外，須填寫選修申請表後，於加退選前繳回創新創業教育中心。
4. 專題學分認列作法：
 - (1) 以系上專題認列：主題必須符合跨領域精神，並填寫學分認列申請表，由創新創業教育中心進行審查作業。
 - (2) 認列系上專題：由各系依規定進行審查作業。

(2) Selection Process:

1. All students are allowed to take the Interdisciplinary Practice Project, but credits of the Interdisciplinary Practice Project granted to graduate students do not count towards graduation.
2. Students form their own interdisciplinary groups by themselves. The group must consist of students from two or more departments. Students and the teacher jointly decide the research object and topic to integrate issues related to professions and methods of different disciplines.
3. Students are required to select the Interdisciplinary Practice Project by the system, fill out the elective course application form, and submit the form to the Center for Innovation and Entrepreneurship Education prior to the add/drop period.
4. Recognition of Credits:
 - (1) Recognized as a departmental course of practice project without credit: The topic must be consistent with interdisciplinary principles and the Credit Recognition Application Form is required to be filled out. The Center for Innovation and Entrepreneurship Education reviews the project for recognition.
 - (2) Recognized as a departmental course of practice project with credit: A project is reviewed by the department in charge.

(三)課程內容：

1. 跨領域實務專題(一)、(二)：自擬定創新課題開始，由教師指導學生進行實作性技術探討，透過實務演練激發創新思維，內容包括構想擬定與發展、雛型產品製作、性能評估及成果展現等。
2. 期末成果報告：選修本課程之學生，期末須參與創新創業教育中心舉辦之專題發表會，並繳交相關課程成果。

(3) Content:

1. The Interdisciplinary Practice Project I and Interdisciplinary Practice Project II: Starting from setting an innovative topic, the teacher in charge guides students to explore practical techniques for stimulating creative thinking through practice. The content includes concept framing and development, creating a prototype, performance evaluation and result demonstration.
2. Final presentation: Students taking the Interdisciplinary Practice Project are required to present their projects at the project presentation held by the Center for Innovation and Entrepreneurship Education and submit relevant results at the end of a semester.

(四)教學資源補助：

1. 修課學生：補助業務費（如：材料費、影印費、交通費等）以系上專題認列者，不在補助之列，視創新創業教育中心經費調整。
2. 指導教師：納入實務專題之鐘點計算，並依本校「教師授課時數核計要點」規定辦理。

(4) Teaching Subsidy:

1. Students: Operating subsidy (e.g. material cost, copying fee and transportation fee) is granted, but it does not apply to a practice project expected to be recognized as a departmental course without credit. Additional subsidy depends on budget adjustment of the Center for Innovation and Entrepreneurship Education.
2. Teachers: Teaching hours are counted as instructional hours of a practice project. Relevant affairs are handled according to the Guidelines for Teaching Load of National Kaohsiung University of Science and Technology.

四、本要點由創新創業教育中心課程委員會審議通過，修正時亦同。

4. The guidelines stated herein were approved by the Curriculum Committee Meeting of the Center for Innovation and Entrepreneurship Education. Amendments must follow the same procedure.