

中原大學智慧運算與大數據學士班專題實作課程實施辦法

Implementation Regulations for the Project Practice Course of the Bachelor Program of Intelligent Computing and Big Data at Chung Yuan Christian University

經 1130911 第 113-1-2 學程事務會議討論通過

Approved in the 113-1-2 Curriculum Affairs Meeting on September 11, 2024.

一、目標：

1. Objectives:

依本系教師研究方向及產業需求，提供學生興趣選擇之專題題目，以培養學生實作能力，提高競爭優勢。

Based on the research directions of the faculty and industry needs, provide topics for students to choose from according to their interests, in order to cultivate students' practical abilities and enhance their competitive advantage.

二、一般規定：

2. General Regulations:

1. 開課時間：三下(為第一學期)及四上(為第二學期)。

Course Schedule: Offered in the first semester (third year, second semester) and second semester (fourth year, first semester).

2. 甲、乙兩班各有任課老師一位，負責邀請安排專題競賽複審委員，並需於期末登錄及繳送成績至教務處。

Each of the two classes (A and B) will have one instructor responsible for inviting and arranging the review committee for the project competition, and must enter and submit grades to the Office of Academic Affairs at the end of the semester.

3. 學生採分組方式，每組 2~4 人，以小組成員專長及興趣，經衡量及評估後，選定本系專任教師擔任專題實作指導老師，並填寫指導老師同意書。

Students will work in groups of 2 to 4, selecting topics based on the expertise and interests of group members. After assessment, a full-time faculty member from the department will be appointed as the project advisor, and a consent form must be filled out.

4. 專題執行小組：由系主任、任課老師及指導老師組成執行小組進行之。

The project execution team will consist of the department chair, the instructor, and the project advisor.

5. 任課老師委託指導老師擬定及執行專題內容，公告於院系網頁。

The instructor will delegate the project advisor to formulate and execute the project content, which will be announced on the department's website.

6. 指導老師指導學生數上限：以平均數的 150% 為原則
The maximum number of students per advisor is set at 150% of the average:
平均數= 修專題學生總數/本系當年專任教師總人數
Average = Total number of students in the project / Total number of full-time faculty in the department that year.
7. 專題執行小組依實際情形協調老師之專題學生人數。
The project execution team will coordinate the number of students assigned to each advisor based on actual circumstances.
8. 本系專任教師有指導專題生的義務。
Full-time faculty in the department have the obligation to advise project students.
9. 指導老師因故無法實際指導或必須與他人共同指導，可自行邀請共同指導人，包括各領域專家及兼任老師等。
If the advisor is unable to provide actual guidance or must co-advise with others, they may invite co-advisors, including experts from various fields and part-time faculty.
10. 每組專題皆需於第二學期時進行專題成果初審，評分方式說明如第三點。
Each project group must conduct an initial review of their project results in the second semester, with the grading method as described in point three.

三、評分方式：

3. Grading Method:

1. 第一學期專題成績評定方式：由專題執行小組依各組同學表現評分，評分標準包含理論或雛型驗證、海報及口頭報告展示、書面報告 6 頁。
First semester project grades will be assessed by the project execution team based on each group's performance. Grading criteria include theoretical or prototype validation, poster and oral presentation, and a written report of 6 pages.
2. 第二學期專題成績評定方式：專題執行小組評分佔 20%、外審委員審查評分佔 80%，並以專題競賽方式進行；每組同學依規定繳交及上傳資料，成績評分亦包含實作展示、海報或 PPT 簡報、專題摘要電子檔、書面報告 30 頁。
Second semester project grades will be composed of 20% from the project execution team and 80% from external reviewers, conducted in a project competition format. Each group must submit and upload required materials, with grading also including practical demonstrations, posters or PPT presentations, electronic project abstracts, and a written report of 30 pages.

四、專題競賽方式：

4. Project Competition Method:

1. 專題執行小組負責籌辦，請助教與系學會協辦，並由執行小組遴聘校內外評審組成委員會。

The project execution team is responsible for organizing the competition, with assistance from teaching assistants and the department's student association, and will appoint internal and external reviewers to form the committee.

2. 每組需繳交專題報告書電子檔(約 30 頁)一份至系辦製成論文集，並製作約 2 分鐘短片繳交，同時將專題摘要電子檔上傳院系網頁供瀏覽。

Each group must submit an electronic project report (approximately 30 pages) to the department office to be compiled into a proceedings, and produce a short video of about 2 minutes. They must also upload the electronic project abstract to the department's website for viewing.

3. 委員於展示期間內負責提問、建議及評分，同時評定特優、優等、佳作及入圍數隊，可從缺。獲獎學生由系上頒獎狀及獎學金。

Committee members will be responsible for asking questions, providing suggestions, and grading during the presentation period, as well as determining awards for excellence, merit, and honorable mentions, with some awards potentially omitted.

Awarded students will receive certificates and scholarships from the department.

4. 鼓勵獲獎組別參加校內外專題競賽，以爭取本系榮譽；參加校外專題競賽再獲獎者，本系將再給予適當獎學金鼓勵。

Award-winning groups are encouraged to participate in internal and external project competitions to bring honor to the department. Students who win awards in external competitions will receive additional scholarships as encouragement from the department.

五、上述所需繳交相關資料格式於本院系網頁下載。

5. The required formats for the submitted materials mentioned above can be downloaded from the department's website.

六、本辦法經學程事務會議通過後實施，修訂時亦同。

6. These regulations will be implemented after being approved by the Curriculum Affairs Meeting, and the same applies to any amendments.