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② 國玄東華大學

教學計劃表 Syllabus

| | | 教学 | 革計劃表 | Syl | labus | | | | |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|---------------------------------------------------------|-----------------------------|----------|---------------------------------------|-------|---------------------------------------------------------------------------------------------------------|--|--|
| 課程名稱(中文) Course Name in Chinese | | 電機工程進階專 | 題與實習 | | 學年/學期 Academic Year/Seme | ester | 113/2 | | |
| 課程名和 Course Name | 稱(英文) in English | Advanced Topics and Practicum in Electrical Engineering | | | | | | | |
| 科目代碼 Course Code | | | | 學四 | 開課單位 Course-Offering Department | 電 | 機工程學系 | | |
| | ·別 rpe | 學程 Program | 學分數/時間 Credit(s)/Hour(s) | | | 3.0/ | | | |
| 授課教師 Instructor /黃家華 | | | | | | | | | |
| 先修課程 Prerequisite /*電機專題研究(二) | | | | | | | | | |
| | | 課 | 程描述 Course | e Descri | ption | | | | |
| 課程以大四學生參與企業實習為主要內容,包括產業實習的實務操作與體驗實際產業文化,學生透過工業實習能夠實踐學以致用。 | | | | | | | | | |
| | | 課 | 程目標 Cour | se Objec | ctives | | | | |
| 以專題研究方式培養學生獨立思考,解決問題與從事研究的能力。 | | | | | | | | | |
| 系專業能力 Basic Learning Outcomes | | | | | | | 課程目標與系專業能 力相關性 Correlation between Course Objectives and Dept.'s Education Objectives | | |
| A 培育具備工程、應用數學與物理科學等數理知識之基本能力。To cultivate the basic knowledge of engineering, applied mathematics and physics | | | | | | | 0 | | |
| B B 中有系統分析、模擬驗證、實作實現之能力。To cultivate the basic ability of analysis, verification and implementation of systems. | | | | | | | \bigcirc | | |
| C 訓練軟體工具使用與硬體實務驗證相互輔助之能力。To train the auxiliary ability between the utilization of software tool and the verification of the hardware practice 訓練雪樂本和學能技術與工程實務相互結合運用之能力。To train the integrate ability | | | | | | | • | | |
| between professional instinct in learning technique and engineering practice. | | | | | | | | | |
| and teamwork competition. 落實發掘問題、邏輯分析、克服瓶頸與持續學習之能力。To fulfill the ability of question | | | | | | | • | | |
| finding, logical analyzing, bottleneck overcoming and continuous learning 了解學術倫理與智慧財產觀念,掌握產業更迭需求與具備多元專長之能力。To obtain the ability of multi-specialization and to meet the industry demand as well as to have the ability of academic ethics and concept of intellectual property | | | | | | | | | |
| If 了解國內外市場變化,具備基本科技英文閱讀溝通之能力。To understand the change of global market and the have the basic ability of reading and conversation in English. | | | | | | | | | |
| 圖示說明Illustration : ● 高度相關 Highly correlated ○中度相關 Moderately correlated | | | | | | | | | |
| | | 授課進 | 度 表 Teaching | g Schedi | ile & Content | | | | |
| 週次Week | | 內容 Subject/Topics | | | | | 備註Remarks | | |
| 1 學生於實習現場-企業介紹 | | | | | | | | | |
| 2 學生於實習現場-單位部門介紹 | | | | | | | | | |

| 3 | 學生於實習現場-實務操作介紹 | | | | | | | |
|-----------------------------------------------------------------|------------------------------------------------------|------------|--|--|--|--|--|--|
| 4 | 學生於實習現場-實務操作 | | | | | | | |
| 5 | 學生於實習現場-實務操作 | | | | | | | |
| 6 | 學生於實習現場-實務操作 | | | | | | | |
| 7 | 學生於實習現場-實務操作 | | | | | | | |
| 8 | 學生於實習現場-實務操作 | | | | | | | |
| 9 | 教師到實習現場/電話/視訊訪問輔導 | | | | | | | |
| 10 | 學生於實習現場-實務操作 | | | | | | | |
| 11 | 學生於實習現場-實務操作 | | | | | | | |
| 12 | 學生於實習現場-實務操作 | | | | | | | |
| 13 | 學生於實習現場-實務操作 | | | | | | | |
| 14 | 學生於實習現場-實務操作 | | | | | | | |
| 15 | 學生於實習現場-實務操作 | | | | | | | |
| 16 | 學生於實習現場-實務操作 | | | | | | | |
| 17 | 17 教師到實習現場/電話/視訊訪問輔導 | | | | | | | |
| 18 | 18 完成實習報告 | | | | | | | |
| | 教學策略 Teaching Strategies | , | | | | | | |
| 課堂講 | 授 Lecture 分組討論Group Discussion 參觀實習 | Field Trip | | | | | | |
| ── 其他Mi | scellaneous: <u>產業實習</u> | | | | | | | |
| | #/ 6月 か/ み ** T l.' C. l.C F l | | | | | | | |
| 創新粉學(| 教學創新自評 Teaching Self-Evaluation Innovative Teaching) | | | | | | | |
| | 向學習(PBL) 解決導向導 | 基型(SRI) | | | | | | |
| | 室 Flipped Classroom | F H (ODL) | | | | | | |
| 社會責任(Social Responsibility) | | | | | | | | |
| 在地實踐Community Practice | | | | | | | | |
| 」 | | | | | | | | |
| 跨界教學Transdisciplinary Teaching 跨院系教學Inter-collegiate Teaching | | | | | | | | |
| | | | | | | | | |
| □ 業師合授 Courses Co-taught with Industry Practitioners | | | | | | | | |
| | | | | | | | | |
| 其它 othe | r: | | | | | | | |
| | | | | | | | | |

| 學期成績計算及多元評量方式 Grading & Assessments | | | | | | | | | |
|-------------------------------------|--------------------|--------------------|----------|----------|----------|----------|----------|----------|----|
| 配分項目 | 配分比例 Percentage | 多元評量方式 Assessments | | | | | | | |
| Items | | 測驗 會考 | 實作 觀察 | 口頭 發表 | 專題 研究 | 創作 展演 | 卷宗 評量 | 證照 檢定 | 其他 |
| 平時成績 General Performance | | | | | | | | | |
| 期中考成績 Midterm Exam | | | | | | | | | |
| 期末考成績 Final Exam | | | | | | | | | |
| 作業成績 Homework and/or Assignments | | | | | | | | | |
| 其他 Miscellaneous (產業實習成果報告) | 100% | | | | | | | | |

評量方式補充說明

Grading & Assessments Supplemental instructions

教科書與參考書目(書名、作者、書局、代理商、說明)

Textbook & Other References (Title, Author, Publisher, Agents, Remarks, etc.)

課程教材網址(含線上教學資訊,教師個人網址請列位於本校內之網址)
Teaching Aids & Teacher's Website(Including online teaching information.
Personal website can be listed here.)

其他補充說明(Supplemental instructions)