









113-2 Full Curriculum of Da-Yeh University

Information			
Title	Senior Project (2)	Serial No./ID	0489 / IFI3113
Required/Credit	Required / 1	Time/Place	(Sun)2 / H708
Language	Chinese	Grade Type	Number
Lecturer / Full- or Part-time	Tsai Huan-Liang / Full-time	Graduate Class	Non-graduating Class
School System / Dept / Class, Grade	Bachelor / Department of Computer Science and Information Engineering / Class 1, Grade 3		
Office Hour / Place	(Mon) 16:20~17:10, (Tue) 16:20~17:10, (Wed) 16:20~17:10, (Thu) 08:10~09:00 / H715		
Lecturer	n.a.		

Introduction
資工系大學部學生在畢業前必須在老師的指導下從事一年的專題製作，發揮在各科目所學的知識獲致實務或研究性質的成果。

Outline
專題實作

Prerequisite
資工專業基本能力

The Relationship Between Courses and Departmental Core Competencies and Basic Skills
 1.2 Ability to use the techniques, skills, and modern engineering tools necessary for engineering practice  2.1 Ability to design and conduct experiments, as well as to analyze and interpret data  2.2 Ability to propose, conduct, and write the reports of a research project  2.3 Ability to design and integrate the systems  3.1 Ability to cooperate supportively with others and communicate effectively  3.3 Ability to engage in life-long learning  1.1 Knowledge of mathematics and physics for the application of information engineering  3.2 Understanding of engineering ethics and international vision

Teaching Plan						
Core Capability	Weight(%) 【A】	Ability index(Performance Indicators)	Teaching Methods	Assessment and Weight	Core Competency Learning Outcomes 【B】	Final Exam Grades 【C=B*A 】
1.2 Ability to use the techniques, skills, and modern engineering tools necessary for engineering practice	10	The practical abilities	Group Work Practical Operation (Experiment, Machine Operation Special Report	Oral Report: 10% Course Participation: 30% Final Exam: 50% Written Report: 10%	Total: 100	10
2.1 Ability to design and conduct experiments, as well as to analyze and interpret data	10	The professional abilities	Practical Operation (Experiment, Machine Operation Group Work Special Report	Final Exam: 50% Course Participation: 30% Written Report: 10% Oral Report: 10%	Total: 100	10
2.2 Ability to propose, conduct, and write the reports of a research project	10	The practical abilities	Practical Operation (Experiment, Machine Operation Group Work Special Report	Final Exam: 50% Oral Report: 10% Course Participation: 30% Written Report: 10%	Total: 100	10
2.3 Ability to dedign and integrate the systems	10	The professional abilities	Group Work Practical Operation (Experiment, Machine Operation Special Report	Oral Report: 10% Course Participation: 30% Final Exam: 50% Written Report: 10%	Total: 100	10

3.1 Ability to cooperate supportively with others and communicate effectively	10	The basic abilities	Group Work Practical Operation (Experiment, Machine Operation Special Report	Oral Report: 10% Course Participation: 30% Final Exam: 50% Written Report: 10%	Total: 100	10
3.3 Ability to engage in life-long learning	10	The basic abilities	Group Work Practical Operation (Experiment, Machine Operation Special Report	Oral Report: 10% Course Participation: 30% Final Exam: 50% Written Report: 10%	Total: 100	10
1.1 Knowledge of mathematics and physics for the application of information engineering	30	The professional abilities	Practical Operation (Experiment, Machine Operation Group Work Special Report	Final Exam: 50% Course Participation: 30% Oral Report: 10% Written Report: 10%	Total: 100	30
3.2 Understanding of engineering ethics and international vision	10	The basic abilities	Practical Operation (Experiment, Machine Operation Group Work Special Report	Final Exam: 50% Course Participation: 30% Oral Report: 10% Written Report: 10%	Total: 100	10

Grade Auditing

Final Exam: 50%

Course Participation: 30%

Written Report: 10%

Oral Report: 10%

Book Type (Respect intellectual property rights. Please use official textbooks and do not illegally photocopy others' works.)

Book Type	Book name	Author
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Instructor-compiled 專題實作報告 蔡渙良

Lesson Plan

Weeks	Content	Teaching Methods
1	Report and Discussions & Intellectual Property Protection (use legitimate textbooks only) & Traffic safety Propaganda & Gender equality education promotion	Lecturing、 Group Discussion
2	Report and Discussions	Lecturing、 Group Discussion
3	Report and Discussions	Lecturing、 Group Discussion、 Practical Operation (Experiment, Machine Operation
4	Report and Discussions	Lecturing、 Group Discussion、 Practical Operation (Experiment, Machine Operation
5	Report and Discussions	Lecturing、 Group Discussion、 Practical Operation (Experiment, Machine Operation
6	Report and Discussions	Lecturing、 Group Discussion、 Practical Operation (Experiment, Machine Operation
7	Report and Discussions	Lecturing、 Group Discussion、 Practical Operation (Experiment, Machine Operation
8	Report and Discussions	Lecturing、 Group Discussion、 Practical Operation (Experiment, Machine Operation、 Special Report
9	Report and Discussions	Lecturing、 Group Discussion、 Practical Operation (Experiment, Machine Operation、 Special Report
10	Report and Discussions	Lecturing、 Group Discussion、 Practical Operation (Experiment, Machine Operation、 Special Report
11	Report and Discussions	Lecturing、 Group Discussion、 Practical Operation (Experiment, Machine Operation、 Special Report
12	Report and Discussions	Lecturing、 Group Discussion、 Practical Operation (Experiment, Machine Operation、 Special Report

13	Report and Discussions	Lecturing、 Group Discussion、 Practical Operation (Experiment, Machine Operation 、 Special Report
14	Report and Discussions	Lecturing、 Group Discussion、 Practical Operation (Experiment, Machine Operation 、 Special Report
15	Report and Discussions	Lecturing、 Group Discussion、 Practical Operation (Experiment, Machine Operation 、 Special Report
16	Report and Discussions	Group Discussion、 Practical Operation (Experiment, Machine Operation、 Special Report
17	Self-directed Learning & Flexible Teaching/Learning	Flexible Teaching - Independent Action、 Flexible Teaching - Communication and Interaction
18	Self-directed Learning & Flexible Teaching/Learning	Flexible Teaching - Independent Action、 Flexible Teaching - Communication and Interaction