澳門大學
UNIVERSIDADE DE MACAU
UNIVERSITY OF MACAU

Major Programme:	Master of Science in Microelectronics		
Course Type:	☑ CM – Compulsory Major ☐ RE – Required Elective ☐ L&S – Languages and Skills ☐ CPE – Community and Peer Education ☐ * GE – General Education ☐ MI – Minor ☐ FE – Free Elective		
Course Title: (in Chinese and English)	Project Report 項目報告	Suggested Year of Study:	Year 2
Duration:	☐ Semester Course ☑ Yearly Course	Credit Units:	6
Grading System:	☐ Letter Grade ☑ P/NP	Pre-requisite: (if any)	None
Medium of Instruction:	English		
Course Description:	An independent project carried out under the supervision of a faculty staff member.		
Intended Learning Outcomes (ILO):	This course enables students to have: ・Apply knowledge and recognize specialist topics in microelectronics engineering. ・Design the integrated circuits and conduct engineering projects. ・Use computer-aided design and analysis techniques appropriate to microelectronics engineering. ・Show more application-oriented project experiences in microelectronics through an industrial engineering project.		

Major Assessment Methods:	Case Study	Role Playing	Student Presentation	Individual project / paper	Group project / paper	Group discussions	Writing Assignment	Exercises & problems	Service learning	Internship	Field study	Company visits	Reading & Writing Assessments / tests	Listening & Oral Assessments / tests	Others (please specify)
Class Participation / Discussion 0 %															
Assignment(s) 0 %															
Test(s) 0 %															
Examination 0 %															
Others: Project 100 %			√	√									√		

Course Content: (topic outline)	This course requires the student to design an independent project under the supervision of a faculty staff member. A Project Report must be submitted that focuses on existing academic theories or advanced technologies with an evaluation of a case study or application-oriented project. The supervisor is required to guide the process of project development by having regular meetings with the students. Finally, an oral presentation will be held under the evaluation of an oral defense examination committee.