



澳門大學
UNIVERSIDADE DE MACAU
UNIVERSITY OF MACAU

Major Programme:	Master of Science in Microelectronics														
Course Type:	<input checked="" type="checkbox"/> CM – Compulsory Major <input type="checkbox"/> L&S – Languages and Skills <input type="checkbox"/> * GE – General Education <input type="checkbox"/> MI – Minor			<input type="checkbox"/> RE – Required Elective <input type="checkbox"/> CPE – Community and Peer Education <input type="checkbox"/> FE – Free Elective											
Course Title: (in Chinese and English)	Internship and Report 實習及報告				Suggested Year of Study:		Year 2								
Duration:	<input checked="" type="checkbox"/> Semester Course <input type="checkbox"/> Yearly Course			Credit Units:		3									
Grading System:	<input type="checkbox"/> Letter Grade <input checked="" type="checkbox"/> 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 and a project manager in industry. Internship training will be carried out at a selected industry.														
Intended Learning Outcomes (ILO):	This course enables students to have: <ul style="list-style-type: none"> • 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 internship 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)	A maximum of 1000 hours of internship training in a selected industry related to microelectronics is required. The chosen industry should assign an internship advisor, while from the IME side, an academic supervisor will be appointed to coordinate the whole process of the internship. Regulate meetings should be held between the student, internship advisor, and academic supervisor. Upon completion of the internship, the student should submit an internship report and also perform an oral presentation, and be evaluated by an oral defense examination committee.														