



# 教學卓越計畫

Teaching Excellence and Learning Autonomy

## A6-3-1 課程網頁國際化之建置－課程規劃

系所：資訊工程系

學程：學士

### Department of Computer Science and Information Engineering Undergraduate Course Requirement

(For the four year students of day's division admitted in 2008 academic year)

Code	Core courses	Credit	Year	Semester
CS1002	Introduction to Computers	3	1	1
CS1003	Physics	3	1	1
CS1004	Digital Systems	3	1	1
CS1005	Calculus(I)	3	1	1
CS1009	Computer Programming	3	1	1
CS1006	Assembly Language	3	1	2
CS1007	Electronics	3	1	2
CS1008	Calculus(II)	3	1	2
CS2002	Linear Algebra	3	1	2
CS2094	Object-Oriented Programming	3	1	2
CS2003	Data Structure	3	2	1
CS2004	Computer Networks	3	2	1
CS2006	Engineering Math	3	2	1
CS3003	Microprocessor System	3	2	1
CS3090	Programming Ability	0	2	1
CS2005	Computer Organization & Architecture	3	2	2
CS3001	Introduction to Operating Systems	3	2	2
CS3002	Probabilities and Statistics	3	2	2
CS3004	Discrete Mathematics	3	3	1
CS3091	Special Project (I)	1	3	1
CS3005	Introduction to Algorithms	3	3	2
CS3092	Special Project ( II )	1	3	2
CS3093	Special Project (III)	1	4	1
	<b>Total :</b>	60		
Code	Elective courses	Credit		
CS1010	Information Ethics Lecture	1	1	2
CS2202	System Programming	3	2	1
CS2203	Windows Programming	3	2	1
CS2204	Java Programming and Application	3	2	1
CS2209	Linux/Unix System	3	2	1
CS2401	Electronic Circuits	3	2	1
CS2402	Programmable IC Design	3	2	1
CS4410	Introduction to RFID	3	2	1
CS2205	System Analysis And Design	3	2	2
CS2206	Database Systems	3	2	2

CS2207	Numerical Methods	3	2	2
CS2208	Java GUI Programming	3	2	2
CS2210	Linux/Unix Programming	3	2	2
CS3201	Network Programming	3	2	2
CS3202	Programming Language	3	2	2
CS3403	Introduction to VLSI	3	2	2
CS3204	Internet Technologies	3	3	1
CS3206	Information Security	3	3	1
CS3207	Network Management	3	3	1
CS3208	Introduction to Image Processing	3	3	1
CS3209	Web Database Programming	3	3	1
CS3402	Signals & Systems	3	3	1
CS3406	Computer-Aided Design	3	3	1
CS3410	Embedded System Overview	3	3	1
CS5054	Compiler Design	3	3	1
CS3210	Multimedia Technology and Application	3	3	2
CS3211	Artificial Intelligent	3	3	2
CS3213	Combinatorial Math	3	3	2
CS3214	Component-Based Software Development Technology	3	3	2
CS3215	Introduction to Electronic Commerce	3	3	2
CS3405	Communication System	3	3	2
CS3409	Special Project for IC Test	3	3	2
CS4402	Introduction to Digital Integrated Circuit Design	3	3	2
CS4202	Handheld Device Programming	3	4	1
CS4203	Technology English Reading	3	4	1
CS4204	Introduction to Digital Communications	3	4	1
CS4205	Computer Graphics	3	4	1
CS4210	Introduction to Software Engineering	3	4	1
CS4401	Introduction to Digital Signal Processing	3	4	1
CS4403	Introduction to Analog IC Design	3	4	1
CS4405	Embedded System Programming	3	4	1
CS4406	Introduction to IC Testing	3	4	1
CS4409	Internship	1	4	1
CS4207	Introduction to Wireless Networks Introduction	3	4	2
CS4208	Computer Animation	3	4	2
CS4209	Technology English Writing	3	4	2
CS4211	Object-Oriented Software Engineering	3	4	2
CS4212	Programming with Personal Software Process	3	4	2
CS4213	Introduction to Soft Computing	3	4	2
CS4404	Embedded OS Implementation	3	4	2
CS4407	IC Test System	3	4	2
CS4408	IC Test Programming	3	4	2
IC4001	Employment and Learning in Information Industry	2	4	2
	Total :	154		

University Requirements	17 courses 30 credits
Core courses	20 courses 60 credits
Elective courses	Minimum elective 32 credits
Total requirement	elective 25 credits 128credits