



# 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：碩士

### Department of Computer Science and Information Engineering Graduate Course Requirement (For the students of day's division admitted in 2008 academic year)

Code	Core courses	Credit	Year	Semester
CS5011	Technical Writing	2	1	1
CS5031	Seminar ( I )	0	1	1
CS5053	Speeches in Information Technology	0	1	1
CS5032	Seminar ( II )	0	1	2
CS5053	Speeches in Information Technology	0	1	2
CS5033	Seminar ( III )	0	2	1
CS5034	Seminar ( IV )	0	2	2
	<b>Total :</b>	2		
Code	Elective courses	Credit		
CS5202	Software Engineering	3	1	1
CS5203	Parallel Computing	3	1	1
CS5204	Pattern Recognition	3	1	1
CS5205	Graph Theory	3	1	1
CS5206	Object Oriented Programming	3	1	1
CS5207	Mobile Communication	3	1	1
CS5208	Fomal Language	3	1	1
CS5209	Random Process	3	1	1
CS5210	Technique on Electronic Commerce	3	1	1
CS5211	High Speed Networking	3	1	1
CS5212	Wireless Networks	3	1	1
CS5213	Distributed Systems	3	1	1
CS5214	Queueing Theory	3	1	1
CS5215	Computational Biology	3	1	1
CS5216	Information theory	3	1	1
CS5217	Multimedia Communications	3	1	1
CS5218	Pervasive Computing	3	1	1
CS5222	Algorithms	3	1	1
CS5239	Fuzzy Theory and Application	3	1	1
CS5401	Silicon IP D esiogn	3	1	1
CS5402	Adaptive Signal Processing	3	1	1
CS5403	VLSI Physical Design	3	1	1
CS5404	Computer Architecture	3	1	1
CS5405	Digital Signal Processing	3	1	1
CS5414	Embedded Software Design	3	1	1
CS5415	Embedded System Integration	3	1	1

CS5901	Special Topic on Networking ( I )	2	1	1
CS5905	Special Topic on Software Engineering ( I )	2	1	1
CS5909	Special Topic on Artificial Intelligence ( I )	2	1	1
CS5913	Special Topic on Parallel and Distributed Systems ( I )	2	1	1
CS5917	Special Topic on Bio-Informatics( I )	2	1	1
CS5921	Special Topic on Integrated Circuit( I )	2	1	1
CS5925	Special Topic on Signal Processing ( I )	2	1	1
CS5933	Special Topic on Information Security and Computation Theory ( I )	2	1	1
CS5219	Neural Networks and Its Applications	3	1	2
CS5220	Source Coding	3	1	2
CS5221	Cryptography	3	1	2
CS5223	Software Component Technology	3	1	2
CS5224	Data Mining	3	1	2
CS5225	Multiprocessor System	3	1	2
CS5226	Next Generation Internet Technology	3	1	2
CS5227	Bio-Information	3	1	2
CS5228	Biochip	3	1	2
CS5229	Digital Communications	3	1	2
CS5230	Image Processing	3	1	2
CS5231	Operating System	3	1	2
CS5232	Virtual Reality System	3	1	2
CS5233	Networks Performance Analysis and Simulations	3	1	2
CS5234	Data Compression	3	1	2
CS5235	Grey System and Applications	3	1	2
CS5238	Information Retrieval	3	1	2
CS5409	Analogy IC Design	3	1	2
CS5410	RF-IC Design	3	1	2
CS5412	Speech Signal Processing	3	1	2
CS5413	Advanced Programmable IC Design	3	1	2
CS5416	Design and Simulation for Digital Control Systems	3	1	2
CS5902	Special Topic on Networking (II)	2	1	2
CS5906	Special Topic on Software Engineering (II)	2	1	2
CS5910	Special Topic on Artificial Intelligence (II)	2	1	2
CS5914	Special Topic on Parallel and Distributed Systems (II)	2	1	2
CS5918	Special Topics on Bio-informations(II)	2	1	2
CS5922	Special Topic on Integral Circuit (II)	2	1	2
CS5926	Special Topic on Signal Processing (II)	2	1	2
CS5934	Special Topic on Information Security and Computation Theory (II)	2	1	2
CS5903	Special Topic on Networking ( III )	2	2	1
CS5907	Special Topic on Software Engineering ( III )	2	2	1
CS5911	Special Topic on Artificial Intelligence ( III )	2	2	1

CS5915	Special Topic on Parallel and Distributed Systems (III)	2	2	1
CS5919	Special Topics on Bio-informations(III)	2	2	1
CS5923	Special Topic on Integrated Circuit (III)	2	2	1
CS5927	Special Topic on Signal Processing (III)	2	2	1
CS5935	Special Topic on Information Security and Computation Theory (III)	2	2	1
CS5904	Special Topic on Networking (IV)	2	2	2
CS5908	Special Topic on Software Engineering (IV)	2	2	2
CS5912	Special Topic on Artificial Intelligence (IV)	2	2	2
CS5916	Special Topic on Parallel and Distributed Systems (IV)	2	2	2
CS5920	Special Topic on Bio-Informatics(IV)	2	2	2
CS5924	Special Topic on Integrated Circuit (IV)	2	2	2
CS5928	Special Topic on Signal Processing (IV)	2	2	2
CS5936	Special Topic on Information Security and Computation Theory (IV)	2	2	2
	<b>Total :</b>	208		

University Requirements	
Core courses	6 courses 2 credits
Elective courses	Minimum elective 22 credits
Total requirement	30credits