朝陽科技大學 093學年度第1學期教學大綱
Networks Performance Analysis and Simulations 網路效能分析模擬

當期課號	7246	**Course Number**	7246
授課教師	張本杰	**Instructor**	CHANG,BEN JYE
中文課名	網路效能分析模擬	**Course Name**	Networks Performance Analysis and Simulations
開課單位	資訊工程系碩士班一A	**Department**	
修習別	選修	**Required/Elective**	Elective
學分數	3	**Credits**	3
課程目標	本課程主要在讓學生學習電腦網路效能分析技術，明瞭電腦網路運作原理，探討影響網路效能與品質的常見因素，並藉由實作或者模擬的方式來印證所學的理論分析，提昇學生在網路技術領域的專業能力。	**Objectives**	The goal of this course is to introduce seniors and graduate students the principles and technology of networks performance analysis and simulations. We will influences the efficiency of the network and common factor of quality to probe into, and confirm the theory analysis studied in way of doing simulation in fact, promote student's professional ability in the field of network technology.
教材	Textbook TBA Reference books J. Walrand and P. Varaiya, "High Performance Communication Networks", Morgan Kaufmann. W. Stallings, "High Speed Networks and Internets Performance and QoS", Prentice Hall.	**Teaching Materials**	
成績評量方式	Homework 30% Midterm 30% Project 20% Paper Study 20%	**Grading**	Homework 30% Midterm 30% Project 20% Paper Study 20%
教師網頁	_		
教學內容	Review Queueing Theory Single Service Loss Networks Multiple Service Loss Networks Erlang's loss Theory Performance Analysis Approximation Performance Analysis Network Simulations Coding Paper study	**Syllabus**	Review Queueing Theory Single Service Loss Networks Multiple Service Loss Networks Erlang's Loss Theory Performance Analysis Approximation Performance Analysis Network Simulations Coding Paper study