朝陽科技大學 095學年度第2學期教學大綱
Queueing Theory 排隊理論

當期課號	7431	Course Number	7431
授課教師	張本杰	Instructor	CHANG,BEN JYE
中文課名	排隊理論	Course Name	Queueing Theory
開課單位	資訊科技研究所博士班一A	Department	
修習別	選修	Required/Elective	Elective
學分數	3	Credits	3
課程目標	學習候伺系統運作之基本原理以及如何運用候伺模式分析排隊現象與尋找解答	Objectives	Understand the general principles of how queues operate, how to use models to analyze queuing phenomena and develop queuing solutions.
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 Probability Theory Introduction to Queueing Theory Notations Markov Process Discrete-time Markov Chain Continuous-time Markov Chain Birth-and-Death Queueing System M/M/1 M/M/m M/M/1/K M/M/m/m Laplace Transformation Z Transformation Erlang Distribution M/G/1 The Poisson Process The Exponential Distribution Network Simulations Coding Paper study	Syllabus	Review Probability Theory Introduction to Queueing Theory Notations Markov Process Discrete-time Markov Chain Continuous-time Markov Chain Birth-and-Death Queueing System M/M/1 M/M/m M/M/1/K M/M/m/m Laplace Transformation Z Transformation Erlang Distribution M/G/1 The Poisson Process The Exponential Distribution Network Simulations Coding Paper study

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