朝陽科技大學 097學年度第2學期教學大綱
Special Topic on Information Security and Computation Theory (II) 資訊安全與計算理論專題(二)

當期課號	7444	Course Number	7444
授課教師	洪若偉	Instructor	HUNG,RUO WEI
中文課名	資訊安全與計算理論專題(二)	Course Name	Special Topic on Information Security and Computation Theory (II)
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	2	Credits	2
課程目標	本課程主要討論的主題在資訊安全與計算理論，學生在完成本課程後，將可了解關於資訊安全與計算理論的相關技術，其主要涵蓋的範圍有：密碼學、資訊安全、計算理論、電腦演算法分析與設計等相關技術。近期的論文也將被提出來討論。	Objectives	This course is aimed at discussing the topic of Information Security and Computation Theory. The students will realize the following important topics after finishing this course: Cryptography, Information Security, Computation Theory, Design and Analysis of Computer Algorithms and their related technologies. Some recent papers will be also discussed.
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