一、課程說明(Course Description)

This course will cover the fundamental theory of random processes with emphasis on applications to a variety of networks. This is a basic yet important course for students pursuing studies in these fields.

二、指定用書(Text Books)

Sheldon M. Ross, “Introduction to Probability Models”, 10th Ed., Academic Press.

三、參考書籍(References)

Sheldon M. Ross, “Stochastic Processes”, John Wiley & Sons, Inc., 1996.
Edward P.C. Kao, “An Introduction to Stochastic Processes”, Wadsworth Publishing Company, 1997.
Robert G. Gallager, “Discrete stochastic processes”, Kluwer Academic Publishers, 1996.

四、教學方式(Teaching Method)

Weekly lectures plus reading assignments and homework.

五、教學進度(Tentative Syllabus)

Preliminaries
Poisson Process
Renewal Process
Markov Chains
Markov Process

六、成績考核(Tentative Evaluation)

exams, homework, quiz, in-class discussion and participation, presentation/report

七、可連結之網頁位址

http://www.cs.nthu.edu.tw/~jungchuk/