

102-1 Preliminary Syllabus, Da-Yeh Univ

Information			
Title	隨機程序	Serial No. / ID	2014 / EGR5112
Dept.	電機工程學系碩士班	School System / Class	研究所碩士班1年1班
Lecturer	陳雍宗	Full or Part-time	專任
Required / Credit	Optinal / 3	Graduate Class	No
Time / Place	(二)234 / H738	Language	English

Introduction
This course introduces the theory and applications of random processes. The principles of single and multivariate random variables and random processes will be presented and applied to engineering systems, especially to the communication systems.

Outline
<ol style="list-style-type: none">1. Review of probability and statistics2. theory of a single random variable3. application of a single random variable to communication systems4. theory of multivariate random variables5. application of a multivariate random variables to communication systems6. principles of random processes7. application of random process models to the analysis of wireless communication channels

Prerequisite
<ol style="list-style-type: none">1. probability2. calculus