강 의 계 획 서

과목코드	002046	과목명	응용확률론(영어강의)	학점/시간	3/3	이수구분	전공선택
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강의개요 및 교수목표	This course is intented as an introduction to elementary probability theory. It is particularly well suited for those wanting to see how probability theory can be applied to study of phenomena in fields such as engineering, computer science, management science, the physical and social science and operations research.
교재	Introduction to probability models by s. ross, 10ed. academic press
참고교재	
* 과제물	1. There are many examples to be worked by students throughout the class and using computer software. 2. There is at least two times presentations by each student throughout the class.

평가기준	평가방법	가중치	만점

주	강의주제 및 내용	준비 사항
1	sample space and events	
2	conditional probabilities and independent events	
3	Bayes' theorem	
4	random variables	
5	discrete random variables	
6	discrete random variables	
7	continuous random variables	
8	mid exam	
9	continuous random variables	
10	expectation	
11	joint distributed random variables	
12	joint distributed random variables	
13	moment generating function	
14	moment generating function	
15	limit theorems	
16	final exam	