

강 의 계 획 서(Syllabus)

[1] 기본 정보(Basic Information)

■ 강의 정보(Course Information)

교과목명 (Course Title)	학률변수론	강의유형 (Course Type)	이론
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[2] 학습 목표/성과(Learning Objectives/Outcomes)

■ 과목 설명(Course Description)

This course is for undergraduates yr 3 and it covers an overview regarding probability, statistics, and random processes. Various types of random variables and processes with their functions and applications will be discussed during the lecture.

■ 학습 목표(Learning Objectives)

The objective of this course is to understand definitions, properties and applications of probability, statistics, and random processes, so that the students can model and analysis data obtained from experiments and observations.

■ 학습 성과(Learning Outcomes)

- At the end of this course, the student will be able to do the following:
- 1) Understand the definitions, properties, and applications of probability, statistics and random processes.
 - 2) Model data statistically.
 - 3) Analysis data.

[3] 강의 진행 정보(Course Methods)

■ 강의 진행 방식(Teaching and Learning Methods)

강의 진행 방식	추가 설명
오프라인 강의	강의자료 및 교과서 활용
중간 시험	2시간 필기 시험
기말 시험	2시간 필기 시험

■ 수업 자료(Textbooks, Reading, and other Materials)

수업 자료	제목	저자	출판일/게재일	출판사/학회지
주교재	Probability, Random Variables and Random Signal Principles	Peyton Z. Peebles, Jr	2015	McGraw-Hill

[4] 수업 일정(Course Schedule)

차시	강사명	수업주제 및 내용	제출 과제	추가 설명
1	정진곤	Ch.1. Probability		
2	정진곤	Ch.1. Probability		
3	정진곤	Ch.2. The random variable		
4	정진곤	Ch.2. The random variable		
5	정진곤	Ch.3. Operations on One Random Variable-Expectation		
6	정진곤	Ch.4. Multiple Random Variables		
7	정진곤	Ch.5. Operations on Multiple Random Variables		
8	정진곤	Ch.5. Operations on Multiple Random Variables		
9	정진곤	Ch.6. Random Processes-Temporal Characteristics		
10	정진곤	Ch.6. Random Processes-Temporal Characteristics		
11	정진곤	Ch.7. Random Processes-Spectral Characteristics		
12	정진곤	Ch.7. Random Processes-Spectral Characteristics		
13	정진곤			
14	정진곤			

[5] 수강생 학습 안내 사항

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