수업 계획서(수업소개)

교과목개요 (수업소개)	금융파생금융상품에 관한 이해를 위한 기본적 금융투자분석기법에 관한 이론 및 방법론을 소개		
교재 및 참고문헌	Investment Science by Luenberger 참고문헌: 1. 김규태 공학경제 경문사 　　　　　2. Sharpe, W., Invesment Analysis 　　　　　3. Hull, J. C., Options, Futures, and Other Derivatives		
주별	수업 주제		
	수업 내용		
1주	Chapter 1 Introduction		
	1. Cash Flows, 2. Investment and Markets, 3. Typical Investment Problems		
2주	Chapter 2. The Basic Theory of Interest		
	1. Pricipal and Interest, 2. NPV and IRR, 3. Evaluation Criteria		
3주	Chapter 3 Fixed-Income Securities		
	1. THe Market for Future Cash, 2. Bond Details, 3. Duration and Immunization		
4주	Chapter 3 Fixed-Income Securities		
	1. THe Market for Future Cash, 2. Bond Details, 3. Duration and Immunization		
5주	Chapter 4 The Term Structure of Interest Rates		
	1. The Yield Curve, 2. The Term Structure, 3. Forward Rates		
6주	Chapter 5 Applied Interest Rate Analysis		
	1. Capital Budgeting, 2. Optimal Portfolios, 3. Dynamic Cash Flow Processes		
7주	Chapter 6 Mean-Variance Portfolio Theory		
	1. Asset Return, 2. Portfolio Mean and Variance, 3. The Markowitz Mode.		
8주	Chapter 7 The Capital Asset Pricing Model		
	1. Market Equilibrium, 2. The Capital Market Line, 3. The Security Market Line		
9주	Chapter 8 Models and Data		
	1. Factor Models, 2. The CAPM as a Factor Model, 3. Arbitrage Pricing Theory		
10주	Chapter 9 General Principles		
	1. Utility Functions, 2. Utility Function and the Mean-Variance Criterion 3. Risk-Neutral Pricing		
11주	Chapter 10 Forwards, Futures, and Swaps		
	1. Forward Contracts, 2. Swaps, 3. Future Contracts		
12주	Chaptet 11 Models of Asset Dynamics		
	1. Binomial Lattice Model, 2. Lognormal Random Variation, 3. A Stock Price Process		
13주	Chapter 12 Basic Option Theory		
	1. Option Concepts, 2. Put-Call Parity, 3. More General Binomial Problems		
14주	Chapter 12 Basic Option Theroy		
	The Black-Scholes Formula		
15주	Final-Term Exam.		