FIN 515: Quantitative Investment Analysis

as of: 12/3/2017

Date	Class Content	Notes	Applications
8-23,Wed	Syllabus and overview		
8-28,Mon	VNM Axioms, Utility Theory, Mean Variance Optimization		
8-30,Wed	Mean Variance Optimization, Diversification, Naïve diversification, CAPM tie-in, DeMiguel et al		Excel
9-4,Mon			
9-6,Wed	CAPM, Beta compuation, Equity Risk Prem estimation, Investing in Index Funds		
9-11,Mon	Failure of CAPM, Fama-French 1992		
9-13,Wed			
9-18,Mon	Equities Lab - replicate Fama French		EL
9-20,Wed	Equities Lab - value investing module		EL
9-25,Mon	Momentum - Carhart 1997, Jegadeesh and Titman 1993		
9-27,Wed	CRSP - Replicate Jegadeesh and Titman 1993		CRSP
10-2,Mon	Delegated investments - ETFs, Mutual Funds, Hedge Funds, DIY		
10-4,Wed	Risk-shifting: Chevalier and Ellison, 1997; Aragon and Nanda, 2012 , Ray 2012		
10-9,Mon	Simulation techniques - estimating HF fees		Excel
10-11,Wed	Exam I		
10-16,Mon	Guest speaker		
10-18,Wed	Transaction costs: Overview, reasons (Glosten Milgrom, 1985, Kyle, 1985, Roll 1984)		CRSP
10-23,Mon	Performance measurement - Different measures, Sensoy, 2009; Exercise: selling my 3 return series		Excel
10-25,Wed			
10-30,Mon	Performance measurement - Biases, Misreporting, Evans 2010, Aiken et al, 2012, Bollen et al, 2012		
11-1,Wed	Risk management, VaR, CVaR, scenario analysis		Excel
11-6,Mon	Risk management, Simulation based techniques, Equities Lab Risk Mgmt assignment		Excel/EL
11-8,Wed	Guest speaker		
11-13,Mon	Prospect theory, Behavioral Biases - bloomberg game, CDC poll - Kahneman and Tversky, 1979		
11-15,Wed	Behavioral biases in professional investing - Lu, Ray, Teo, 2016; Brown, Lu, Ray, Teo, 2017		
11-20,Mon	Exam II		
11-22,Wed	Thanksgiving		
11-27,Mon			
11-29,Wed	PhD student - research presentation		
12-4,Mon	Working on Final Project		
12-6,Wed	Working on Final Project		
	Final Project Due		