COURSE RECORD

Code	**BA 407**
Name	**Financial Derivatives**
Hour per week	3 (3+0)
Credit	3
ECTS	5
Level/Year	Undergraduate/3-4
Type	Elective
Prerequisites	BA 207
Description	The course covers the following topics: futures and forward contracts, options, swaps, pricing the financial derivatives and Greeks (risk management). This course starts with the review of portfolio optimization theory and CAPM (Capital Asset Pricing Model). By the end of this course students are expected to have a good knowledge of how financial contracts work, where to use them, and how they are priced. Individuals who are capable of analyzing financial derivatives are in great demand as an analyst in stock exchange markets, commodity markets and financial intermediaries throughout the world.
Objectives	Providing fundamental knowledge for derivatives market. Introducing financial risk hedge tools.
Learning Outcomes	*By the end of the course, the student will be able to* LO1. Interpret how the financial derivatives work. LO2. Evaluate the mechanics of derivative assets. LO3. Discuss which hedge strategy is better. LO4. Explain how the risk can be assessed.

CONTRIBUTION TO PROGRAMME OUTCOMES*

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
LO1	5	5	3	4	2	4	2	4	4	5
LO2	5	5	3	4	2	4	2	4	4	5
LO3	5	5	3	4	2	5	2	4	4	5
LO4	5	5	3	4	2	5	2	4	4	5

* Contribution Level: 0: None, 1: Very Low, 2: Low, 3: Medium, 4: High, 5: Very High

CONTRIBUTION TO INSTITUTIONAL LEARNING OUTCOMES*

	ILO1	ILO2	ILO3	ILO4	ILO5	ILO6	ILO7
LO1	4	3	3	3	4	3	4
LO2	5	3	3	3	4	3	4
LO3	4	4	4	3	4	4	4
LO4	4	3	3	3	4	4	3

* Contribution Level: 0: None, 1: Very Low, 2: Low, 3: Medium, 4: High, 5: Very High

COURSE CONTENT DETAILS

Topics	**Outcomes**
Introduction to Derivatives Markets	LO1, LO2, LO3, LO4
Forward and Futures Pricing	LO1
Hedging With Futures	LO1
Interest Rates and Duration	LO1, LO2
SWAPS	LO1, LO2
Options Markets	LO2
Binominal Model	LO2, LO3
Black-Scholes-Merton Model	LO2, LO3, LO4

DERS BİLGİLERİ

Kodu	**BA 407**
İsmi	**Finansal Türevler**
Haftalık Saati	3 (3+0)
Kredi	3
AKTS	5
Seviye/Yıl	Lisans /3-4
Dersin Dili	İngilizce
Tip	Seçmeli
Ön Şart	BA 207
İçerik	Bu ders (i) vadeli işlem ve forward sözleşmelerini, (ii) opsiyonları, (iii) swapları, (iv) finansal türevleri ve (v) Greek (risk yönetimini) fiyatlandırmayı kapsar. Bu dersin sonunda öğrencilerin finansal sözleşmelerin nasıl işlediğine, nerede kullanılacağına ve nasıl fiyatlandırıldığına dair iyi bir bilgi sahibi olması beklenir. Finansal türevleri analiz edebilen bireyler, borsa piyasalarında, emtia piyasalarında ve dünya çapında finansal aracılarda analist olarak büyük talep görmektedir.