İçerik

Ders Kodu	Dersin Adı	Yarıyıl	Teori	Uygulama	Lab	Kredisi	AKTS
ECON303	Büyüme Teorileri	5	3	0	0	3	5

Ön Koşul	
Derse Kabul Koşulları	

Dersin Dili	Fransızca
Türü	Zorunlu
Dersin Düzeyi	Lisans
Dersin Amacı	This course aims to lecture principal growth models, and is an introduction to the methods for studying simple deterministic dynamical systems.
İçerik	Introduction to keynesian and neoclassical growth theories.
Kaynaklar	Barro et Sala-i Martin, Economic Growth. Lecaillon, Macro-dynamique : la croissance. Chiang, Fundamental methods of mathematical economics. Sydsaeter, Hammond, Essential mathematics for economic analysis. Sydsaeter, Hammond, Mathematics for economic analysis.

Teori Konu Başlıkları

Hafta	Konu Başlıkları
1	Exponential and logarithmic functions. Optimal timing problems.
2	Discrete and continuous growth rate. Fundamental knowledge on simple difference equations and differential equations. Interst rate and optimal timing problems.
3	Harrod model for good market in discrete and continuous time. Existence, unicity and stability of equilibrium.
4	Harrod model for factors of production, and existence, unicity and stability of equilibrium.
5	Neoclassical production function. Concavity, homogeneity Inada conditions.
6	Neoclassical model. Simultaneous determination of quantities and prices. Existence of equilibrium growth rate. Existence, unicity and stability of equilibrium.
7	Comparative dynamics. Golden rule path.
8	Midterm exam.
9	Exogenous technical progress and its classifications.
10	Neoclassical model with technical progress. Existence of equilibrium growth rate. Existence, unicity and stability of equilibrium.
11	Comparative dynamics with technical progress. Stylised facts of Kaldor.
12	Absolute and relative convergence. Neoclassical model reconsidered.
13	The work of Mankiw, Romer, Weil. The critic of Paul Romer and others and the necessity of endogenous technical progress.
14	First generation endogenous technical progress models: learning by doing models.