



Меѓународен Универзитет Визион - International Vision University
 Universiteti Ndërkombëtar Vizion - Uluslararası Vizyon Üniversitesi

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SYLLABUS

COURSE NAME	COURSE CODE	SEMESTER	COURSE LOAD	ECTS
APPLIED ECONOMICS	2016	4	180	6

Prerequisite(s)	None
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Course Language	Turkish
Course Type	Required
Course Level	First Cycle
Course Lecturer	
Course Assistants	
Classroom	
Extra Curricular Office Hours and Location	Meeting: Consultancy:

Course Objectives	This course aims to equip the student with powerful tools to write a macroeconomic model, to define an equilibrium, to approximate the equilibrium using computational methods, and calibrate and simulate the model so that the model can be used to answer macroeconomic questions.
Course Learning Outcomes	The students who successfully complete this course, will be able to; <ul style="list-style-type: none"> • Will be able to build a macroeconomic model. • Will be able to define and explain equilibrium in macroeconomics. • Will be able to calculate steady states. • Will be able to distinguish between stochastic and deterministic shocks. • Will be able to calibrate and simulate a simple macroeconomic model.
Course Contents	The course starts with an introduction to quantitative macroeconomics. We then discuss the benchmark deterministic model and competitive equilibrium. We then discuss steady state. The course continues with introduction to Matlab and Dynare programs in the Lab. It concludes with the discussion of calibration and simulation of a simple real business cycle (RBC) model.

WEEKLY SUBJECTS AND RELATED PREPARATION STUDIES

Week	Subjects	Related Preparation
1	Introduction	Related Chapters of Course Sources
2	Competitive Equilibrium in One Period World I	Related Chapters of Course Sources
3	Competitive Equilibrium in One Period World II	Related Chapters of Course Sources
4	Competitive Equilibrium in a Two Period World	Related Chapters of Course Sources
5	Competitive Equilibrium in a Finite Period World	Related Chapters of Course Sources
6	The Social Planner Problem and the Welfare Theorems	Related Chapters of Course Sources
7	Mid-term Exam	Related Chapters of Course Sources
8	The Steady State	Related Chapters of Course Sources
9	Introduction to Matlab and Dynare I	Related Chapters of Course Sources
10	Calibrating and simulating a Basic Real Business Cycle Model I	Related Chapters of Course Sources
11	Calibrating and simulating a Basic Real Business Cycle Model II	Related Chapters of Course Sources
12	Project Presentations	Related Chapters of Course Sources
13	Project Presentations	Related Chapters of Course Sources
14	Project Presentations	Related Chapters of Course Sources
15	Final Exam	Related Chapters of Course Sources

ECTS / WORKLOAD TABLE

Presentation / Seminar			
Hours for off-the-classroom study (Pre-study, practice)	14	3	42
Midterm Exam	1	12	12
Final examination	1	14	14
Total Work Load			
ECTS		6	

GENERAL PRINCIPLE RELATED WITH COURSE

Dear students,

In order to be included, learn and achieve full success that you deserve in the courses you need to come well prepared by reading the basic and secondary textbooks. We are expecting from you carefully to obey to the course hours, not to interrupt the lessons unless is very indispensable, to be an active participant on the courses, easily to communicate with the other professor and classmates, and to be interactive by participating to the class discussions. In case of unethical behavior both in courses or on exams, will be acting in framework of the relevant regulations. The attendance of the students will be checked in the beginning, in the middle or at the end of the lessons. Throughout the semester the students who attend to all lectures will be given 15 activity-attendance points in addition to their exam grades

SOURCES

COMPULSORY LITERATURE		
No	Name of the book	Author's Name, Publishing House, Publication Year
1	İktisat ve İşletme Uygulamalı	Dr. Esen Ađlı, Anı Yayıncılık.
2	The ABCs of RBCs, An Introduction to Dynamic Macroeconomic Models	McCandless, George Harvard University press, 2008
3		

ADDITIONAL LITERATURE		
No	Name of the book	Author's Name, Publishing House, Publication Year
1	Uygulamalı ve Çözümlü İktisat Soru Bankası	Ahmet Emrah Tayyar, Yalın Yayıncılık
2	Computational methods for the study of dynamic economies	Marimon, Ramon, and Andrew Scott, Oxford University Press, 1999
3		

EVALUATION SYSTEM

Underlying the Assessment Studies	NUMBER	PERCENTAGE OF GRADE
Attendance/Participation	15	%10
Project / Event	1	%20
Mid-Term Exam	1	%35
Final Exam	1	%35
TOTAL	17	%100

ETHICAL CODE OF THE UNIVERSITY

In case of the students are cheating or attempt to cheat on exams, and in the case of not to reference the sources used in seminar studies, assignments, projects and presentations, in accordance to the legislations of the Ministry of Education and Science of Republic of Macedonia and International Vision University, will be applied the relevant disciplinary rules. International Vision University students are expected never to attempt to this kind of behavior.