

COURSE LAYOUT

1. GENERAL

SCHOOL	APPLIED ECONOMICS AND SOCIAL SCIENCES		
DEPARTMENT	AGRICULTURAL ECONOMICS AND RURAL DEVELOPMENT		
STUDY LEVEL	Undergraduate		
COURSE CODE	319	SEMESTER	7 th
COURSE TITLE	Input-Output Analysis		
INDEPENDENT TEACHING ACTIVITIES		WEEKLY TEACHING HOURS	ECTS
LECTURES		5	5
COURSE TYPE	Scientific area, Skill development		
PREREQUISITES			
LANGUAGE	Greek		
IS THE COURSE OFFERED for ERASMUS STUDENTS?	No		
COURSE WEB PAGE	Course material will be presented, together with other information and announcements, at the e-class site of the university. The relevant link is available at the site of the university (www.aua.gr).		

2. LEARNING OUTCOMES

Learning Outcomes
<p>Input-Output Analysis is a well-established method for economic analysis and planning. The objective of this course is to introduce students to the basic concepts and tools of the Input-Output Analysis as well as to empirical applications of the method for examining the production structure of an economic system (national, regional), evaluating economic development scenarios, analysing the effects of production activities on environment and energy consumption and forecasting at both macroeconomic and sectoral level.</p> <p>Upon successful completion of the course students will be able to:</p> <ul style="list-style-type: none"> - understand the structure of the input-output tables, which are part of the national accounts, and their transformation into linear models for estimating sectoral multipliers - construct regional, environmental and energy input-output models - analyse and evaluate the structural changes of an economy - estimate the effects of policy measures in terms of output and income generation and the creation of new jobs.
General Competences
<ul style="list-style-type: none"> - Search, analyze and synthesize data and information by using appropriate software - Decision making

- Autonomous work
- Generation of new research ideas
- Critique and self-critique
- Advance of critical thinking and reasoning

3. COURSE CONTENT

1. Input-Output Tables and System of National Accounts
2. Demand-driven Input-Output Model
3. Output, Income and Employment Multipliers
4. Price Model
5. Structural Changes and Key Sectors
6. Dynamic Input-Output Model
7. Regional Input-Output Model
8. Inter-regional and Multi-regional Input-Output Model
9. Environmental Input-Output Model
10. Energy Input-Output Model
11. Tourism & Input-Output Analysis
12. Social Accounting Matrices

4. TEACHING and LEARNING METHODS - Evaluation

TEACHING METHOD	Lectures and meetings with students	
USE OF INFORMATICS and COMMUNICATION TECHNOLOGIES	Use of electronic means of teaching (e.g., PowerPoint). Individual and team meetings with students will take place using also appropriate software (e.g., Microsoft Teams, Skype).	
TEACHING ORGANISATION	<i>Activity</i>	<i>Work Load</i>
	Lectures	65 h
	Study at home	33 h
	Study of databases and additional work	27 w
	Course Total	125h (ECTS)
STUDENTS EVALUATION	Written final exam at the end of the semester, and possibly an optional mid-term exam.	

5. BIBLIOGRAPHY

The main textbook for the course is the book of Ch. Economides “Introduction to Input-Output Analysis and System” (in Greek) but also the classic book by Miller and Blair “Input-Output Analysis: Foundations and Extensions” will be used too. Additionally, scientific papers on empirical application of the Input-Output Analysis will be also used. Such publications can be found in journals such as: Economic Systems Research, Structural Change and Economic Dynamics, Journal of Economic Structures.