

LINIIVEDCITY OF DIDAELIC					
	UNIVERSITY OF PIRAEUS				
FACULTY/SCHOOL	School of Economics, Business and International St	udies			
DEPARTMENT		Department of Economics			
LEVEL OF STUDY	Postgraduate	I			
COURSE UNIT CODE	-	SEMESTER 1			
COURSE TITLE	ECONOMICS OF INNOVATION				
WEEKLY TEACHNG HOURS	3 CREDITS (ECTS) 7,5				
COURSE TYPE	General Knowledge, Scientific expertise, Skills Devel	General Knowledge, Scientific expertise, Skills Development			
PREREQUISITE COURSES	Microeconomics, Macroeconomics, Economic Grow	th			
INSTRUCTION LANGUAGE	Greek ASSESSMENT LANGUAGE English				
OPEN TO ERASMUS	Yes				
LEARNING OUTCOMES	This an introductory course on Economics of Innovation. During this course, students will have the opportunity to be introduced to basic aspects of innovation, how firms achieve innovation and the effects of innovation. Major part of the module is the demonstration of students' understanding of fundamental data analysis and innovation concepts and techniques in the context of a focused project.				
GENERAL COMPETENCES	- Group/Team work - Critical thinking - Development of free, creative and inductive thinking - Introduction of innovative research - Project planning and management				
COURSE CONTENT	Aspects of Innovation     Basic Concepts     Process Innovation     Product Innovation     Innovative Pricing     Network effects and standards     Intellectual Property     How Firms Achieve Innovation     The Entrepreneur and Innovation     Organization for Innovation     Vision and Innovation     Clusters and Networks     The Effects of Innovation     The Diffusion of Innovation     Innovation and Trade     Innovation and Competitiveness     Innovation and Sustainability				
USE OF ICT IN TEACHING	e-class notes, labs, econometric software				
COURSE DESIGN	Activity/Method  Lectures  Study and analysis of term-projects  Exam  Total	Semester workload 65 58 2 125			
COURSE ASSESSMENT	Language of evaluation is Greek and English (if it is r	equested). Methods of evaluations are term-			
SUGGESTED BIBLIOGRAPHY	BOOKS:	projects and final exam			
	Swann P.G.M. (2016), The Economics of Innovation US.  DATA SOURCES:  World Bank Development Indicators https://databank.worldbank.org/data/source/worldbank.org/indicator/IP.PAT.RES https://data.worldbank.org/indicator/SP.P	orld-development-indicators D			

https://data.oecd.org/gdp/gross-domestic-product-gdp.htm

COURSE'S WEEKLY PLANNER	WEEK	MATERIAL	READING LIST	
	1st Lecture	ecture "Defining & Measuring Innovation"		
		Invention Creativity Research & Development	See Appendix of Lecture # 1	
		Design or Development? Technological Change		
		Different forms of innovation Protecting innovation Measuring innovation		
	2nd Lecture	"Innovation as Competitive Strategy"		
	Ziid Eccture	Cost Conditions & Process Innovation – 4 Examples: Reduced FC Reduced Marginal Cost	See Appendix of Lecture # 2	
		Capital Intensive Flexible Manufacturing Product Innovation & Competition		
		Product characteristics and differentiation Product Maps and Choice Product Proliferation		
		Innovative Pricing		
	3rd Lecture	3rd Lecture "Network Effects and Clusters"		
		Networks	See Appendix of Lecture # 3	
		Clusters		
	4th Lecture	4th Lecture "Intellectual Property (IP)"		
		Institutional Methods	See Appendix	
		Patents, Trademarks, Copyrights, Registered Design	of Lecture # 4	
		Non-Institutional Methods Trade Secrecy		
		Confidentiality (Non-Disclosure) Agreements Lead-Time advantage Complexity		
		Open Source		
	5th Lecture	"Ecosystems"	Discussion	
		Final Exam		