



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
ECONOMICS OF THE PUBLIC SECTOR	2033	7	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 teach a variety methods of the management science which is useful for solving the management problems in many areas such as: Marketing, Finance, and Production. So, the students can gain a quantitative principles with a basic mathematical modeling and problem solving techniques that will be helpful in the higher level courses such as: Operations Management, Production Planning and Inventory Control.
Course Learning Outcomes	In the end of this course the students will: <ul style="list-style-type: none"> • Learn how to apply the systems approach to variety methods of management problems. • Learn basic mathematical optimization models including linear and integer programming for business decision making. • Learn how to solve complex mathematical models by using the computer software. • Learn how to interpret the computer solutions to mathematical optimization models. • Understand the basic concepts of Management Science.
Course Contents	This course emphasis how to model a managerial problem using the mathematical modeling (Linear programming and Integer programming). In this course many examples from the different application areas will be given. Also the solution techniques for some special problems will be discussed.

WEEKLY SUBJECTS AND RELATED PREPARATION STUDIES

Week	Subjects	Related Preparation
1	Introduction to Modeling	Related Chapters of Course Sources
2	Modeling with Linear Programming	Related Chapters of Course Sources
3	Solving Linear Programming Models	Related Chapters of Course Sources
4	Solving Examples of Linear Programming Models	Related Chapters of Course Sources
5	Solving Examples of Linear Programming Models	Related Chapters of Course Sources
6	Integer Linear Programming Models	Related Chapters of Course Sources
7	Mid-term Exam	Related Chapters of Course Sources
8	Linear Programming Transportation Models	Related Chapters of Course Sources
9	Shortest Route, Minimal Spanning Tree, and Maximal Flow Problems	Related Chapters of Course Sources
10	Managing Projects with CPM/PERT Models	Related Chapters of Course Sources
11	Managing Projects with CPM/PERT Models	Related Chapters of Course Sources
12	Decision-Making Models	Related Chapters of Course Sources
13	Decision Making Models	Related Chapters of Course Sources
14	Review of the Semester	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	Kamu-Özel Sektör Ekonomisi	Mehmet Şahin, Özge Uysal
2	Менаџмент на јавни и приватни болници	Д-р Гордана Панова и асс м-р Горан Миладинов, 2011
3	Public Role for the Private Sector	Virginia Haufler

ADDITIONAL LITERATURE		
No	Name of the book	Author's Name, Publishing House, Publication Year
1		
2		
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.