

Faculty of Economics / MANAGEMENT / OPERATIONAL MANAGEMENT

Course:	OPERATIONAL MANAGEMENT			
Course ID	Course status	Semester	ECTS credits	Lessons (Lessons+Exercises+Laboratory)
2915	Mandatory	5	6	2+2+0
Programs	MANAGEMENT			
Prerequisites	None			
Aims	Application of quantitative methods in management			
Learning outcomes				
Lecturer / Teaching assistant	Professor Zdenka Dragašević, lecturer Dženana Đurković, teaching assistant			
Methodology	Lectures and exercises. Conversations and explanations. Examples from practice.			
Plan and program of work				
Preparing week	Preparation and registration of the semester			
I week lectures	Introduction to operative management. Transport problem - methods for determining the initial basic solution			
I week exercises	Introduction to operative management. Transport problem - methods for determining the initial basic solution			
II week lectures	Transport problem - methods for determining the optimal solution (SS method)			
II week exercises	Transport problem - methods for determining the optimal solution (SS method)			
III week lectures	Transport problem - methods for determining the optimal solution (Modi method)			
III week exercises	Transport problem - methods for determining the optimal solution (Modi method)			
IV week lectures	Open transport problems. The problem of degeneration.			
IV week exercises	Open transport problems. The problem of degeneration.			
V week lectures	Assignment problem, Example			
V week exercises	Assignment problem, Example			
VI week lectures	Inventory models, Example			
VI week exercises	Inventory models, Example			
VII week lectures	CPM, PERT method			
VII week exercises	CPM, PERT method			
VIII week lectures	Examples: CPM, PERT method			
VIII week exercises	Examples: CPM, PERT method			
IX week lectures	Examples: CPM, PERT method			
IX week exercises	Examples: CPM, PERT method			
X week lectures	Game theory			
X week exercises	Game theory			
XI week lectures	Examples: Game theory			
XI week exercises	Examples: Game theory			
XII week lectures	Colloquium, 12th December 2023 (Podgorica), 4th December 2023 (Bijelo Polje)			
XII week exercises	Colloquium, 12th December 2023 (Podgorica), 4th December 2023 (Bijelo Polje)			
XIII week lectures	Remedial colloquium, 26th December 2023 (Podgorica), 11th December (Bijelo Polje)			
XIII week exercises	Remedial colloquium, 26th December 2023 (Podgorica), 11th December (Bijelo Polje)			
XIV week lectures	Final exam			
XIV week exercises	Final exam			
XV week lectures				

XV week exercises						
Student workload						
Per week		Per semester				
6 credits x 40/30=8 hours and 0 minuts 2 sat(a) theoretical classes 0 sat(a) practical classes 2 excercises 4 hour(s) i 0 minuts of independent work, including consultations		Classes and final exam: 8 hour(s) i 0 minuts x 16 =128 hour(s) i 0 minuts Necessary preparation before the beginning of the semester (administration, registration, certification): 8 hour(s) i 0 minuts x 2 =16 hour(s) i 0 minuts Total workload for the subject: 6 x 30=180 hour(s) Additional work for exam preparation in the preparing exam period, including taking the remedial exam from 0 to 30 hours (remaining time from the first two items to the total load for the item) 36 hour(s) i 0 minuts Workload structure: 128 hour(s) i 0 minuts (cources), 16 hour(s) i 0 minuts (preparation), 36 hour(s) i 0 minuts (additional work)				
Student obligations		Taking lectures and exercises, making term papers, doing the homework.				
Consultations		After lectures and exercises.				
Literature		1. Rakočević, S. Operaciona istraživanja, Ekonomski fakultet Podgorica 2. Vujošević, Operativni menadžment, Beograd 3. Heizer Barry» Operativni menadžment», Prentice Hall, 2013, prevod				
Examination methods		Colloquium (assignments) 50 points Homework 10 points Final exam (theory) 40 points The exam consists of a colloquium and a final exam.				
Special remarks						
Comment						
Grade:	F	E	D	C	B	A
Number of points	less than 50 points	greater than or equal to 50 points and less than 60 points	greater than or equal to 60 points and less than 70 points	greater than or equal to 70 points and less than 80 points	greater than or equal to 80 points and less than 90 points	greater than or equal to 90 points