

Class	Date	Curricular Unit Program	Teacher
1	19.02	Curricular unit presentation. Introduction to Operations Research. Motivating examples. Linear programming: formulations and assumptions; A graphical approach.	Marta M.
2	21.02	Linear programming: a graphical approach for solving linear programming problems; a graphical introduction to the Simplex method; sensitivity analysis with the graphical approach.	Isabel M.
3	28.02	Linear programming: formulating linear programming problems; using the Solver optimization program of Excel for these problems.	Isabel M.
4	04.03	Simplex in tableau format	Susana B.
5	06.03	Simplex in tableau format	Susana B.
6	11.03	Linear programming: practice.	Susana B.
7	13.03	Revisions	Susana B.
8	18.03	Test in linear programming.	Susana B.
9	20.03	Network models	Marta M.
10	25.03	Network models	Marta M.
11	27.03	Network models – PERT-CPM	Susana B.
12	01.04	Network models – PERT-CPM	Susana B.
13	03.04	Integer linear programming: formulations; introduction to branch-and-bound.	Marta M.
14	15.04	Integer linear programming: formulating integer linear programming problems; the Solver optimization program of Excel.	Isabel M.
15	17.04	Mixed integer linear programming: formulating integer linear programming problems; the Solver optimization program of Excel.	Isabel M.
16	22.04	Revisions	Isabel M.
17	24.04	Test in Network models and MILP models	Isabel M.
18	29.04	Simulation: Monte Carlo	Susana B.
19	06.05	Simulation: Monte Carlo	Susana B.
20	08.05	Goal programming	Susana B.
21	13.05	Goal programming	Susana B.
22	15.05	Multi-objectives	Susana B.
23	20.05	Multi-objectives	Susana B.
24	22.05	Exercises	Susana B.
25	27.05	Revisions	Susana B.
26	29.05	Test	Susana B.