

OPERATIONS RESEARCH
Academic Year 2016-17

THEORIC PART (Rossignoli)

| Date and time | Topic |
|----------------------------------|---|
| Tuesday, September 27 14 – 17 | Linear programming. Introduction. |
| Tuesday, October 4 14 – 17 | Geometrical method. |
| Tuesday, October 11 14 – 17 | Simplex method. |
| Tuesday, October 18 14 – 17 | Simplex method: special cases. |
| Tuesday, October 25 14 – 17 | Sensitivity analysis. |
| Tuesday, November 15 14 – 17 | Duality. |
| Tuesday, November 22 14 – 17 | Game theory. Non-cooperative Games, Equilibrium. |
| Tuesday, November 29 14 – 17 | Repeated games. |

The lecture material will be uploaded on MyLIUC, together with the exercises.

For further study we recommend the texts:

Hillier F. S. and Lieberman G. J., "Operations Research" (9th ed.), McGraw-Hill, Milano 2006;
Taha H. A., "Operations Research: An Introduction" (VIII ed.), Pearson Prentice Hall, Upper
Saddle River (NJ), 2007;

Winston W. L., "Operations Research", Duxbury Press, Belmont, 1994;

and the workbook:

Bronson R., "Operations Research", McGraw-Hill, Milano 1994.

Tutoring hours: upon reservation by email crossignoli@liuc.it.