OPTIMIZATION (6 ECTS)

The main goal of the course is to teach students basic concepts of the sets, algebra and real numbers, elementary functions, and equations. The students will be well prepared to follow the topics that will be presented during the other quantitative courses. This academic year the goal "Critical and analytical thinking" will be measured in the context of AOL.

General course goals	Specific goals
Students will gain knowledge in modeling, solving and interpreting optimization problems	Through lectures, exercises, computer work and independent literature reading students will learn mathematical techniques and problem solving skills related to optimization.
Students will develop their critical and analytical thinking	Through discussions, problem modeling and interpretation of solutions, students will learn how to make decisions based on analytical tools.
Students will learn how to use technology for problem solving	Through using various software and tools students will solve real optimization problems and learn how to create a good interpretation.