

Decision Analysis

The course is a continuation of the “Operations Research” course. Additional quantitative techniques are presented along with the benefits that result from their use - application for the optimization of business operations and processes and in the entrepreneurial decision-making. The course aims in the presentation of ways to analyze and model business operations that are depending on random events by the use of stochastic models, of their connection with each operational - entrepreneurial objective and finally, to show how their resolution leads to the achievement of predetermined objectives in the corresponding operational - economic environment. The students will be familiarized with the recognition of characteristics and particularities of the operations that are being analyzed - modeled, in the evaluation - hierarchy of importance of data and in their incorporation in the configuration of suitable models that describes these operations. They will be taught methods and algorithms of solving these models and they will learn to interpret and apply - materialize the solutions by recognizing and making the proposed by the solution decision.