Finance Modelling

1.

Field of Studies: Corporate Finance

Area: Finance and Economy

Semester: 5º Semester

Hours per week: 4,5 hours

ECTS: 6

2. Developing the ability to build, use and analyze mathematical models that mitigate the risk due to uncertainty at the time of decision-making process allowing the identification of the most appropriate financial strategies.

3.

1. Forecasting Methods; 2. Decision Analysis; 3. Project Management; 4. Simulation Modelling

4.

- Bonini, C. P., Hausman, W. H. & Bierman, H. (1997). *Quantitative Analysis for Business Decisions* (9th ed). Boston: Irwin/ McGraw-Hill.
- Hillier, F. S., & Lieberman, G. J. (2015). *Introduction to Operations Research* (10th ed.). New York: McGraw-Hill Higher Education.
- Law, A. M. (2015). *Simulation modeling and analysis* (5th ed.). New York: McGraw-Hill Higher Education.
- Makridakis, S., Wheelwright, S., Hyndman, R. (1998), "Forecasting: Methods and Applications", 3rd Edition, John Wiley & Sons, Inc.
- Murteira, Bento J. (1996) "Decisão Estatística para Gestores", Universidade Autónoma de Lisboa.
- Murteira, B., Muller, D. e Turkman, F. (1993). "Análise de Sucessões Cronológicas", McGraw-Hill: Portugal.
- Taha, H. A. (2017). *Operations research: an introduction* (10th ed.). New Jersey: Pearson/Prentice Hall.
- Winston, W. L., & Goldberg, J. B. (2004). *Operations research : applications and algorithms* (4th ed.). Belmont, CA: Thomson/Brooks/Cole.