



BUCHAREST UNIVERSITY OF ECONOMIC STUDIES

MANAGEMENT DEPARTMENT

Mihai Eminescu Building, B-dul.Dacia no.41, sector 1, 3rd floor,
room 1303, tel.021 219 19 00, int.165



Themes and references for

Position 33 – SENIOR LECTURER

Disciplines:

- Investment management
- Managerial decision modeling
- Project training and evaluation

Themes

1. Performance in investment projects - concept; economic content; the efficiency-efficacy-effectiveness relationship; the ratio between optimal and performing, the relative nature of the optimum.
2. Specific indicators for evaluating the economic performance of investments at the microeconomic level - comparative presentation, from a static perspective, for new investment objectives and modernization objectives.
3. Performance assessment at the macroeconomic level.
4. Investments in the economic-social system – the concept of investments, dimensions, types of investments.
5. Dynamic indicators for evaluating the economic efficiency of investments - comparative presentation according to the four moments that characterize the investment process.
6. The time factor and the economic efficiency of investments; discounting technique; calculation of the main dynamic indicators discounted at various moments characteristic to the investment process.
7. Investment funds immobilization – investment process in time; the specific system of indicators.
8. Investment resource allocation management – investment resource allocation using static programming.
9. Modeling economic processes with forecasting techniques – analysis of dynamic series with presentation of smoothing methods.
10. Modeling competitive situations - decisions under conditions of uncertainty; decisions under conditions of risk.
11. Modeling of multi-criteria decision-making processes - goal programming.
12. Modeling the demand on the market – modeling with Markov processes the market evolution of some competitive products.
13. Modeling resource allocation processes – presenting resource allocation problems; types of problems.
14. Simulation of economic processes – concepts, classifications, Monte Carlo method presentation.
15. Life cycle of projects (main stages, phases and component elements).
16. Ethics in training and evaluating projects (conduct in project management: values, mandatory standards, aspirational standards).
17. Quantitative evaluation criteria versus qualitative evaluation criteria in projects.
18. Cost-benefit analysis as a method of projects quantitative evaluation (financial analysis, economic analysis, sensitivity analysis).

References

1. Cicea, C., Țurlea, C., Marinescu, C. - *"Investiții. Performanță, evaluare, documentații specifice"*, Editura Pro Universitaria, 2022.
2. Cicea, C., Marinescu, C., Pintilie, N. – *"New Methodological Approach for Performance Assessment in the Bioenergy Field"*, Energies, 2021, 14(4).
3. Vasilescu I., Cicea C., Dobrea C., Bușu C., Alexandru G. – *"Managementul investițiilor"*, Editura Eficon Press, 2009.
4. Vasilescu I., Românu I., Cicea C. – *"Investiții"*, Editura Economică, București, 2000.
5. Rațiu-Suciu C., Luban F., Hîncu D., Ciocoiu N. – *"Modelare economică"*, Editura ASE, 2007.
6. Anderson, D. R., Sweeney, D. J., Williams, T. A., Camm, J. D., & Cochran, J. J. - *"An introduction to management science: quantitative approach"*. Cengage learning, 2018
7. Vasilescu I. - *"Pregătirea și evaluarea propunerilor de proiect"*, Editura Eficon Press, 2009.
8. Martinelli, R. J., Milosevic, D.Z. - *"Project Management ToolBox: Tools and Techniques for the Practicing Project Manager"*. John Wiley & Sons, 2016.
9. Project Management Institute - *"PMI Code of Ethics and Professional Conduct"*, <https://www.pmi.org/>