

COURSE SYLLABUS

Course title: Management of research projects

Course tutor: Adrian Bălăşescu

Year of study: 1

Number of hours per week/Examination/Credits		
Course	Assessment	Credits
	Colloquium	15

A. COURSE OBJECTIVES (derived from the specific competences acquired)

General objective of the course	Acquisition by doctoral students of the general notions necessary for the preparation, argumentation, planning, monitoring, control and implementation of scientific research projects. Training and development of skills regarding writing, presenting, motivating and supporting a research project.
Specific objectives:	<ul style="list-style-type: none">• Basic elements of research project management.• Analysis and synthesis capacity regarding the writing and justification of a research project.• Ability to organize and plan the project.• The need to develop research questions, adopt models and methodological options appropriate to the management of research projects.• Improving communication skills (written and oral), interpretation, analysis, evaluation and self-assessment.• <input type="checkbox"/> Providing useful work tools in the preparation of future research projects (postdoctoral, various internal and international competitions).

B. CONDITIONS (if necessary)

Course attendance	<input type="checkbox"/> Lecture hall, access to the Internet, to the library and to online databases. In special cases, supporting the course through online
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C.ACQUIRED SPECIFIC COMPETENCES

Professional Competences	Identification of the research topic, arguing, justifying and describing it, as well as establishing the stages and planning them in terms of resources. Assimilation of knowledge regarding the most important theoretical-methodological aspects in the field of research project management. The ability to write a research project autonomously.
Transversal competences	Demonstrating the spirit of initiative and action to update professional, economic and organizational culture knowledge. Ability to manage, implement and report on a research project. Developing the capacity to develop scientific texts, including evaluation reports. Use of the knowledge obtained in the framework of own research projects. Developing the habit of reasoned debate and the logical construction of the discourse. Teamwork skills. Adaptation to new technologies, professional and personal development, through continuous training. Oral and written communication skills. Respect and development of professional values and ethics

D. CONTENT

a) Course

Chapter	Content	Hours
1.	Project concept. The life cycle of a project. The component elements of the project life cycle. Project life cycle case studies. Elaboration of the project proposal. Management characterization. Management relations	4
2.	Characterization. Feasibility study. The project budget	4
3.	Characterization. Organizational variants of project management. Stages of project management. Advantages and disadvantages of using project management	4
4.	Principles of self-assessment and evaluation of project proposals. Criteria, method of evaluation and selection of project proposals. General and specific evaluation criteria. How	4
5.	Project control, monitoring and completion. Technological implementation plan. Benefits brought to partners and society. Advantages of the product obtained within the project. Social	4
6.	Material resources within the projects. The importance of the management of the administration of material resources. Managerial strategies used in the administration of the project's	4
7.	Principles of risk. Principles of risk management. Risk manager - characterization. The psychology of risk	4
8.	Basic elements. Characteristics of conflict resolution. Conflict management in projects. Analysis of crisis situations within project consortia. The evolution of conflicts and ways of solving	8
9	Basic elements. The role of personnel in operational risk management. Principles of risk management in projects. Project analysis using risk management	4
10.	Principles of quality management. Total quality management. Quality management models. Planning, ensuring and controlling the quality of the project	4
11	Characterization of the costs of a project. The relationship between management methods and the overall cost of the project. Responsibilities of project partners. Project cost	4
12	Funding sources of the project. Financial documents of the project. Settlement of expenses. Eligibility of costs.	4
Total hours		56

E. ASSESSMENT

Type of activity	Assessment criteria	Assessment methods	Weight in the final grade
Course	1. Attendance at the course. 2. Acquisition of the knowledge acquired in the course. 3. Accuracy and quality of	<input type="checkbox"/> Permanent, within the course <input type="checkbox"/> Colloquium (session	1. 25% 2. 25% 3. 50%

The results of the assessment are expressed by the following grades: „*Very good*”; „*Good*”; „*Sufficient*”; „*Insufficient*”. Grades „*Very good*”, „*Good*” „*Sufficient*” are passing grades. §i

F. METHODOLOGICAL REMARKS

Lectures combined with dialogue. Use of modern teaching aids (ppt). Course support.

E. CORROBORATION OF THE COURSE CONTENT WITH THE EXPECTATIONS OF THE REPRESENTATIVES OF THE EPISTEMIC COMMUNITY, PROFESSIONAL ASSOCIATIONS AND MAIN EMPLOYERS IN THE FILES RELATED TO THE PROGRAM

The content of this discipline is corroborated with the expectations of the community, professional associations and representative employers in the field related to the program. The course aims to provide students with better training in the field, understanding of the phenomena related to the topic, as well as the acquisition of specific professional skills.

G. BIBLIOGRAPHY

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- HIGGINS, C. Robert; 2015; Analysis for Financial Management – 11th; McGraw-Hill Education, New York, USA.
- HSSINI El Soufiane; 2021; Risk management of an innovation project; Our Knowledge Publishing; United Kingdom.
- MEREDITH R Jack; 2021; Project Management: A Managerial Approach; John Wiley & Sons Inc; United Kingdom.
- NAHLIK De Carmel; 2021; Project Financing: Financial Instruments And Risk Management; World Scientific Publishing Co Pte Ltd; United Kingdom.
- OPRAN Constantin; Analiza financiara a proiectelor; 2015; Editura COMUNICARE.RO; Bucuresti; Romania.
- OPRAN Constantin; PARAIPAN Liliana; STAN Sergiu; 2004; Managementul riscului; Editura COMUNICARE.RO; Romania.
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