ROMANIAN ACADEMY - SCOSAAR
DOCTORAL SCHOOL: LIFE SCIENCES

SUBJECT SHEET

Subject: MANAGEMENT OF RESEARCH PROJECTS
Holder of course activities: Prof. dr. Octavian Popescu
Year of study: **I**

Number of hours per week/Verification/Number of ECTS credits			
Subject content	**Number of hours per week**	**Form of examination**	**Number of ECTS credits**
Course	2	Oral exam	15
Seminar	2	Case studies	

A. OBJECTIVES OF THE SUBJECT (The objectives are formulated in terms of professional skills):

The general objective of the subject:	Knowledge and deepening of strategies for the development, coordination, monitoring and completion of a research project.
The specific objectives:	1. Understanding the various components of research project management. 2. Practical evaluation of your own approach to the management of research projects. 3. Knowledge of the fundamental principles of writing and organizing a specific scientific text for a research project. 4. The general and particular design of a scientific research project. 5. Knowledge of the mechanisms for accessing and using internal and external financial resources. 6. Knowing the mechanisms of the evaluation process of a research project. 7. Understanding the strategies regarding the organization and conduct of the research activities provided for in the project with the approved funding. 8. Knowledge and deepening of good national and international institutional practices in the management of a scientific research project. 9. Knowledge of ethical issues specific to scientific research in the field of life sciences.

B. TERMS (where applicable)

of Course implementation	Adequate room, blackboard, video projector, internet access, dedicated software.

C. ACCUMULATED SPECIFIC COMPETENCES (It concerns the competences ensured by the study program of which the subject is a part)

Professional skills	1. Knowledge of the general principles of writing a scientific research project. 2. Writing a scientific research project. 3. Implementation, development and monitoring of research activities, as well as organization of the research team.

	4. Prompt resolution of possible organizational problems due to a lack of communication or inadequate interpersonal communication. 5. Respect for "copyright".	
Transversal skills	1. The ability to use the professional skills mentioned above in everyday work. 2. Using ethical principles of scientific research in new contexts. 3. Use of theoretical knowledge in solving practical problems encountered in a scientific research laboratory. 4. Providing institutional, group and interpersonal opportunities.	

D. SUBJECT CONTENT

a) Course

Chapter	Contents	Hours
1.	What does the phrase "scientific research project" mean?	2
2.	The fundamental principles of writing a scientific research project.	2
3.	Types of scientific research projects.	2
4.	Accessing information platforms on public resources for science funding.	2
5.	Writing a Scientific Research Project I: Introduction, Purpose, Objectives, Materials and Methods.	2
6.	Writing a scientific research project II: Work-plan, Possible constraints, Estimated results – deliverables, Project budget.	2
7.	The process of evaluating a research project. The appeal.	2
8.	Contracting, implementing and monitoring the research project.	2
9.	Research team.	2
10.	Purchase of supplies, equipment and services.	2
11.	Processing and interpretation of the obtained scientific data.	2
12.	Deliverables. Interim and final reporting. Internal/external audit.	2
13.	Connections and possibilities for project continuity or extension.	2
14.	Ethical aspects of scientific research and copyright.	2
Total hours		**28**

b) seminar

Deployment mode	Hours
Case studies. Debate. Discussion.	**28**

E. EVALUATION (The methods, forms of evaluation and their weighting in determining the final grade are specified. The minimum performance standards are indicated, related to the skills defined in point **A. Objectives of the subject**)

Type of activity	Evaluation criteria	Evaluation methods	Weight in the final grade
Course	Acquired knowledge	Oral exam	75%
Seminar	Activity	Presented case studies	25%

The results of the subject evaluation are expressed by the following qualifications: "*Very good*"; "*Good*"; "*Satisfactorily*"; "*Unsatisfactory*". The grades "*Very good*", "*Good*" and "*Satisfactory*" allow the doctoral student to obtain the ECTS credits.

F. METHODOLOGICAL LANDMARKS

Frontal lecture combined with dialogue. Use of modern teaching aids (PowerPoint). Course support.

G. CORROBRATION OF THE CONTENTS OF THE DISCIPLINE WITH THE EXPECTATIONS OF THE LEGATES OF THE EPISTEMIC COMMUNITY,

PROFESSIONAL ASSOCIATIONS AND REPRESENTATIVE EMPLOYERS IN THE FIELD RELATED TO THE PROGRAM

1. The content of the course is similar to courses in other Western universities, the information is updated and takes into account the basic training level of the PhD students.
2. The course includes theoretical and practical aspects related to the latest regulations regarding scientific research funding competitions.
3. During the seminars, through the debated case studies, the PhD students demonstrate their ability to objectively analyze and propose practical solutions to the problems raised.

H. BIBLIOGRAPHY

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12. https://uct.ac.za/researcher-development-academy/articles/2023-08-11-navigating-research-projects-academics-guide-effective-project-management-part-1
13. https://uct.ac.za/researcher-development-academy/articles/2023-08-11-navigating-research-projects-academics-guide-effective-project-management-part-2

Course holder	**Director of Doctoral School**
Prof. dr. Octavian Popescu	**Dr. Felicia Antohe, Senior Researcher first degree**