



No. _____ of _____

USAMV form 0107040108

SUBJECT OUTLINE

1. Information on the programme

1.1. Higher education institution	University of Agricultural Sciences and Veterinary Medicine of Cluj-Napoca
1.2. Faculty	Agriculture
1.3. Department	Environmental and plant protection
1.4. Field of study	Environmental Engineering
1.5. Cycle of study ¹	Bachelor
1.6. Specialization/ Study programme	Environmental Engineering
1.7. Form of education	Full time

2. Information on the discipline

2.1. Discipline name		Project management						
2.2. Course coordinator			Associate Professor PhD Tania MIHĂIESCU					
2.3. Seminar/ laboratory/ project coordinator			Associate Professor PhD Tania MIHĂIESCU					
2.4. Year of study	IV	2.5. Semester	II	2.6. Evaluation type	continuous	2.7. Discipline status	Content ²	DS
							Compulsoriness ³	DI

3. Total estimated time (teaching hours per semester)

3.1. Hours per week – full time programme	4	out of which: 3.2. lecture	2	3.3. seminar/ laboratory/ project	2
3.4. Total number of hours in the curriculum	40	out of which: 3.5. lecture	20	3.6. seminar/laboratory	20
Distribution of the time allotted					hours
3.4.1. Study based on books, textbooks, bibliography and notes					10
3.4.2. Additional documentation in the library, electronic platforms and field experiences					7
3.4.3. Preparing seminars/ laboratories/ projects, subjects, reports, portfolios and essays					12
3.4.4. Tutorials					2
3.4.5. Examinations					4
3.4.6. Other activities					
3.7. Total hours of individual study	35				
3.8. Total hours per semester	75				
3.9. Number of credits ⁴	3				

4. Prerequisites (if applicable)

4.1. curriculum-related	-
4.2. skills-related	Action skills: information and documentation, group activity, argumentation and use of computer acquisition technologies; performing active and critical analyzes; operationalization and application of knowledge

5. Conditions (if applicable)

5.1. for the course	The course is interactive, students can ask questions about the content of the exhibition. Academic discipline is required for the entire duration of the lecture. No other activities are tolerated during the lecture, mobile phones must be switched off. Room equipped with computer, video projector, Internet access, blackboard.
5.2. for the project	Room equipped with computer, video projector, blackboard, internet access. Academic discipline is required for the entire duration of the work. The deadline for teaching and supporting the project is established by the holder in agreement with the students.

6. Cumulated specific competences

Professional competences	<p>Defining the fundamental concepts needed to apply the project management methodology; Use of basic scientific knowledge in defining and explaining the concepts of project management; Identification of solutions for the implementation of environmental projects Applying basic principles and methods in the elaboration of projects related to environmental engineering; Developing professional projects by applying the concept of project management and using specific methods and techniques, etc. ; Application of specific methods in the field of environmental engineering for the elaboration of projects</p>
Transversal competences	<p>Identifying and observing the rules of professional ethics and deontology, taking responsibility for the decisions taken and the risks involved; Defining and respecting the competences of the team, distributing responsibilities to the team members and solidarity in assuming responsibilities; Efficient use of information sources and resources for communication and assisted professional training (portals, Internet, specialized software applications, databases, online courses, etc.) both in Romanian and in a language of international circulation.</p>

7. Discipline objectives (based on the cumulated specific competences)

7.1. General objective	Acquiring theoretical and practical concepts related to project management system
7.2. Specific objectives	<ul style="list-style-type: none"> • Knowledge and understanding of the different basic concepts, the components of the project management and the characteristics of each • Correlation by students of the need to propose projects with the opportunity to solve / improve some existing needs / problems • Development of essential skills in project development and management • Development of the capacity for analysis and synthesis using terms specific to the debated problem. • Objective assessment of conditions, needs and risks to generate viable projects • The application of efficient organization methods in the realization of projects

8. Content

8.1. COURSE Number of hours - 20	Teaching methods	Observation
1. Introduction to project management.	oral lectures with interactive sections	2 hours
2. The life cycle of the project		6 hours
3. Leadership and project management		2 hours
4. Project cost management		2 hours
5. Time management in projects		2 hours
6. Risk management in projects		2 hours
7. Quality management in projects		2 hours
8. Communication management in projects		2 hours

8.2. PROJECT Number of hours - 20	Teaching methods	Observation
1. Establishing working groups and choosing project themes. Basic rules and principles for writing a project	Presentation. discussions	2 hours
2. Teamwork on the chosen project theme. 2.1. Project idea, identification of the target group and its needs. Setting: Purpose; The general objective and the specific objectives of the project. Establishing project resources. Identification of funding sources. 2.2. Making the project sketch for the identified funding source - Building the problem tree, the goal tree, the Ishikawa diagram. Debate. 2.3. Establishing project activities and work packages. Planning the project activities, estimating the time and carrying out the Gantt Chart Work in a group on the chosen project theme. Debate. 2.4. Estimating the resources needed for the project. Preparation of the project budget. Work in a group on the chosen project theme. Debate.	Presentation. Discussions. Brainstorming. Exercise. Teamwork. Individual study	12 hours

2.5. Identification of project results. Project verification indicators. Work in a group on the chosen project theme. Debate. 2.6. Identification of project risks. Work in a group on the chosen project theme. Debate. 3. Fill in an application for financing on the chosen project theme.	Presentation. Discussions. Brainstorming. Exercise. Teamwork. Individual study	2 hours
4. Presentation of projects. Presentation of project evaluation results. Debate on the project. Conclusions	Interview. Discussions. Verification method	4 hours
Compulsory bibliography:		
1. Mihălescu Tania, 2019, <i>Management de proiect, Note de curs</i> 2. Mihălescu Tania, Mihălescu Radu, 2012, <i>Managementul realizării proiectelor, Ed. Bioflux Cluj-Napoca, ISBN 978-606-8191-41-6</i>		
Optional bibliography:		
1. Lessel Wolfgang, 2007, <i>Managementul Proiectelor, Ed. ALL, ISBN: 973-571-719-3</i> 2. Lock, Dennis., 2000, <i>Management de proiect, Ed. Codecs, București, ISBN 973-8060-25-7</i> 3. Mochal, Tom și Mochal, Jeff, 2006, <i>Lecții de management de proiect, Ed. Codecs, București, ISBN (10) 973-8060-76-7</i> 4. Newton Richard, 2007, <i>Management de proiect - Pas cu pas, Meteor press</i> 5. Turner R. J. și Simister St. J., 2004, <i>Manualul Grower de Management de Proiect, ISBN 973-8060-68-0, Ed. Codecs, București.</i>		

9. Corroborating the discipline content with the expectations of the epistemic community representatives, of the professional associations and of the relevant employers in the corresponding field

- By acquiring the theoretical-methodological concepts and approaching the practical aspects included in the Project Management discipline students acquire a consistent knowledge bag, in accordance with the partial competences required for the possible occupations provided in Grid 1 - RNCIS.
- The activities carried out by the students will follow the development of the individual work capacities, of analysis and interpretation of the results, of the capacity to offer solutions to practical problems.
- The discipline responds concretely to the current requirements of development and evolution at national and international level of the higher education, as well as of the economic environment in the field of environmental engineering.
- The discipline sheet is related to similar study programs from universities in Romania and Europe that apply the Bologna system.
- The fields of activity concerned are practically unlimited, the possible employers targeted being both from the educational environment, public institutions at central (ministries) and local (county and municipal councils), Environmental Agencies, Romanian Water Administration, Environmental Guard, research-development environment, but also organizations / associations / companies that provide consulting in the field of engineering and environmental protection or national / international / multinational companies.
- The skills acquired will be needed for the employees who carry out their activity in the field of environmental engineering, in all the phases of design, execution, operation and monitoring of environmental factors. The implications of the topics addressed during the course relate to the profoundly engineering-applied side of the engineering profession.
- The students are provided with adequate competences with the needs of the current qualifications, an adequate scientific and technical training, which will allow them to quickly enter the labor market after graduation, but also the possibility of continuing the studies through master and doctoral programs.

10. Evaluation

Type of activity	10.1. Evaluation criteria	10.2. Evaluation type	10.3. Percentage of the final grade
10.4. Course	Acquiring the elements regarding the concepts, principles and approaches on which project management is based.	continues 2 evaluation (multiple choice test)	60%
10.5. Project	Scientific content, Compliance with the content of the framework and the drafting criteria. Vocabulary and coherence in expression; framing the presentation in time; originality of the presentation mode	Project oral presentation	40%
10.6. Minimum performance standards			
Course Min. 50% correct answers to the grid tests for grade 5. Project (according to the chosen theme), which will demonstrate the acquisition of the minimal elements regarding the concepts, principles and approaches on which the project management is based, taught on time and sustained. Obtaining the minimum mark 5 for the project is a condition of promotability.			

¹ Cycle of studies - choose one of the three options: Bachelor/Master/Ph.D.
² according to the educational plan

³ Discipline status (compulsoriness) - choose one of the options - DI (compulsory discipline) DO (optional discipline) DFac (facultative discipline).

⁴ One credit is equivalent to 25-30 hours of study (teaching activities and individual study).

Filled in on
04.09.2019

Course coordinator
Associate Professor PhD Tania MIHĂIESCU

Laboratory work/seminar coordinator
Associate Professor PhD Tania
MIHĂIESCU

Approved by the
department on
05.09.2019

Head of the Department
Professor PhD Ion OBOIAN