

Project Cycle Management in IT v.2.

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The aim of the course is to train students for a project approach to problems and situations in research and development projects (R&D) in ICT, which includes applying methods and tools characteristic of project management.									
Working in teams, in the first part of the course, students will work on a standard IT project concept and conceptualize a software tool, with its user requirements. They will prepare an appropriate timeline, work breakdown structure, organizational breakdown structure, RACI matrix, financial plan, and a risk management plan.									
In the second part, they will work in a team to extend the developed IT project concept, and create an R&D project proposal: they will prepare a project proposal for the EU funded projects in line with the requirements of a specific call (e.g. Erasmus+, European Structural and Investment Funds). Students will be able to use EU funds and programs for financing of development IT projects.									
ECTS prévus: 4									
Nombre d'apprenants: 35									
Mode de prestation: Hybride									
Statut: EN PLANIFICATION									
Accès public au cours: Privé									
Contributeurs: Petra Vondra, Blaženka Divjak, Barbi Svetec, Katarina Pažur Aničić									
Acquis d'apprentissage du cours							Niveau	Poids	
Analyze the basic features of IT projects.							Analyser	10	
Apply project management methods and appropriate software tools to the project cycle of an IT project.							Appliquer	20	
Create a financial plan, time plan and risk management plan.							Appliquer	15	
Analyze EU programs and funds to support the funding of an IT R&D project.							Analyser	10	
Create a project application for an R&D IT project based on a tender for EU funding through collaborative teamwork.							Créer	20	
Analyze project success criteria and the importance of making valid and timely decisions in project cycle phases.							Analyser	10	
Evaluate a project application based on tender criteria and conditions.							Évaluer	10	
Plan competence development to support IT project management in the context of EU funds and programs.							Comprendre	5	
							Poids total : 100		
Nom du thème / de l'unité	Charge de	Type d'apprentissage	Mode de prestation	Groupes	Collaboration	Rétroaction	Activité obligatoire	Évaluation	

<p>Discussion on latest trends in IT project management Teacher will present some of the latest research in IT project management and encourage a discussion with students.</p>	20 min	Discussion	Sur place	Synchrone	Enseignant présent	Non	Oui	Non	Non	Non
<p>Independent learning Students use the material and links in Moodle for further investigation and independent learning.</p>	120 min	Investigation	En ligne	Asynchrone	Enseignant non présent	Non	Non	Non	Non	Non
Charge totale de l'unité	4h									
Seminar - creating a project charter										
<p>Analysis of IT projects financed from EU funds Students search and analyse IT projects financed from EU funds, from Erasmus+ and Horizon project databases, prior to lecture.</p>	60 min	Investigation	En ligne	Asynchrone	Enseignant non présent	Non	Non	Non	Non	Non
<p>Presentation and discussion on project ideas Students presents and discuss about the type of IT projects that can be financed from EU funds.</p>	15 min	Discussion	Sur place	Synchrone	Enseignant présent	Non	Non	Enseignant	Non	Non
<p>Competency-Based Grouping Activity Students are divided into teams of 4 based on their competency assessment - it is important to cover students with different background (knowledge about project management, developer, specific knowledge in the field...).</p> <p>Another important aspect is student interest for certain horizontal priority!</p>	15 min	Pratique	Sur place	Synchrone	Enseignant présent	Non	Oui	Non	Non	Non

<p>Project ideas brainstorming sprint Plan for brainstorming session (generated with ChatGPT):</p> <ul style="list-style-type: none"> • ◦ Phase 1: Research (5 minutes): Each team reviews a list of EU funding priorities (e.g., digital transformation, sustainability, or social inclusion). Briefly discuss the goals. ◦ Phase 2: Idea Generation (15 minutes): Teams brainstorm IT project ideas, ensuring they align with at least one EU funding priority. Choose the top 1-2 ideas. ◦ Phase 3: Project Brief (10 minutes): Teams outline the chosen project idea, specifying: <ul style="list-style-type: none"> ▪ Project Title ▪ Target Problem/Need ▪ Target Group/Users ▪ Expected Impact ▪ Alignment with EU Priorities • Outcome: Each group presents their project idea briefly (2 minutes per team) at the end, focusing on its potential impact and alignment with EU funds. 	30 min	Pratique	Sur place	Synchrone	Enseignant présent	Oui	Oui	Enseignant	Non	Non
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<p>Project canvas Based on the idea, students create project canvas, including:</p> <ul style="list-style-type: none"> • Project Name & Description: Short summary of the project idea. • Stakeholders: Key individuals or organizations involved or impacted. • Objectives & Goals: Main outcomes and objectives of the project. • Value Proposition: The unique value the project delivers. • Key Activities: Critical actions or steps needed to achieve objectives. • Resources: Key resources (e.g., people, tools, finances). • Timeline & Milestones: Major phases and milestones. • Risks & Assumptions: Potential risks and assumptions. • Budget: High-level budget estimate. • Success Metrics: Criteria to measure project success. 	30 min	Pratique	Sur place	Synchrone	Enseignant présent	Oui	Oui	Enseignant	Non	Non
Charge totale de l'unité		2.5h								
<p>IT Project Management Methods and Tools</p> <p>Apply project management methods and appropriate software tools to the project cycle of an IT project. (40%), Analyze the basic features of IT projects. (5%)</p>										
Project management methodologies										

<p>IT Project Requirements (+Communication) and Work Breakdown Structure</p> <p>Create a financial plan, time plan and risk management plan. (10%), Analyze the basic features of IT projects. (5%)</p>										
<p>Project requirements and WBS</p>										
<p>Lecture on requirements Teacher presents basic concepts related to functional, non-functional requirements and other project requirements.</p>	30 min	Acquisition	Sur place	Synchrone	Enseignant présent	Non	Non	Non	Non	Non
<p>Lecture on WBS Teacher presents basic concepts related to WBS in It projects.</p>	30 min	Acquisition	Sur place	Synchrone	Enseignant présent	Non	Non	Non	Non	Non
<p>Examples of project requirements and WBS Students recognize some project requirements and WBS based on their previous projects.</p>	30 min	Discussion	Sur place	Synchrone	Enseignant présent	Oui	Oui	Non	Non	Non
<p>Charge totale de l'unité</p>	1.5h									
<p>Seminar on project requirements and WBS</p>										

<p>Defining project requirements Students have to define project requirements, including:</p> <ul style="list-style-type: none"> • Functional Requirements which define what the software should do. • Non-Functional Requirements which specify how the system should perform. • Project Requirements which provide the constraints and conditions for the project's execution and management. 	45 min	Pratique	Sur place	Synchrone	Enseignant présent	Oui	Oui	Enseignant	Non	Non
<p>Creating project WBS Students have to create WBS including at least 4 levels, i.e.:</p> <ul style="list-style-type: none"> • Level 1: Project Name (e.g., "E-commerce Website Development") • Level 2: Major Deliverables/Phases (e.g., "Development and Coding") • Level 3: Sub-deliverables or Components (e.g., "Develop Front-End") • Level 4: Work Packages or Tasks (e.g., "Code homepage layout") 	45 min	Pratique	Sur place	Synchrone	Enseignant présent	Oui	Oui	Enseignant	Non	Non
Charge totale de l'unité	1.5h									

Project Timeline and Financial Planning in IT Projects Create a financial plan, time plan and risk management plan. (10%) , Analyze the basic features of IT projects. (5%) , Analyze project success criteria and the importance of making valid and timely decisions in project cycle phases. (10%)										
Estimating Cost and Schedule										
Cost and Schedule Teacher presents basic cost and scheduling techniques.	60 min	Acquisition	Sur place	Synchrone	Enseignant présent	Non	Non	Non	Non	Non
Discussion and example of project scheduling Discussion on examples of projects estimations	90 min	Discussion	Sur place	Synchrone	Enseignant présent	Non	Non	Non	Non	Non
Exploring the examples Students explore examples of different projects, related to their estimation and scheduling	90 min	Investigation	En ligne	Asynchrone	Enseignant non présent	Non	Non	Non	Non	Non
Charge totale de l'unité	4h									
Seminar on estimating cost and schedule										
Estimating project duration Students have to create CPM and Gantt chart for their project	45 min	Pratique	Sur place	Synchrone	Enseignant présent	Oui	Oui	Non	Non	Non
Estimating project cost Students have to prepare project cost estimation, including direct and indirect costs	45 min	Pratique	Sur place	Synchrone	Enseignant présent	Oui	Oui	Non	Non	Non

<p>Preparing final schedule and cost estimation</p> <p>Students have to prepare project cost and schedule estimation in a tool</p>	60 min	Pratique	En ligne	Asynchrone	Enseignant non présent	Oui	Oui	Enseignant, Autre	Non	0	Formative	Enseignant
Charge totale de l'unité	2.5h											
<p>Organizational Breakdown Structure and RACI Matrix</p> <p>Plan competence development to support IT project management in the context of EU funds and programs. (20%), Apply project management methods and appropriate software tools to the project cycle of an IT project. (20%), Analyze the basic features of IT projects. (10%)</p>												
Lecture on OBS												
<p>Introcution to staffing in IT projects</p> <p>Teacher presents topics related to staffing in IT projects, including Organizational Breakdown Structure (OBS) and RACI matrix</p>	60 min	Acquisition	Sur place	Synchrone	Enseignant présent	Non	Non	Non	Non	Non		
<p>Roles in IT projects</p> <p>Students discuss on different roles in IT projects, including IT project manager, scrum master, product owner, developers etc.</p>	30 min	Discussion	Sur place	Synchrone	Enseignant présent	Non	Non	Non	Non	Non		
Charge totale de l'unité	1.5h											
Seminar of staffing in IT projects												
<p>Creation of OBS</p> <p>Students create OBS for their project</p>	45 min	Pratique	Sur place	Synchrone	Enseignant présent	Oui	Oui	Non	Non	Non		

Creation of RACI matrix Students create RACI matrix for their project	45 min	Pratique	Sur place	Synchrone	Enseignant présent	Oui	Oui	Non	Non	Non
Charge totale de l'unité	1.5h									
Risk Management in IT projects Create a financial plan, time plan and risk management plan. (10%) , Analyze the basic features of IT projects. (5%)										
Lecture on risk management in IT projects										
Risk management plan Plenary lecture on risk management that involves identifying, assessing, prioritizing, and mitigating potential risks that could impact project objectives such as scope, budget, timeline, and quality.	60 min	Acquisition	Sur place	Synchrone	Enseignant présent	Non	Non	Non	Non	Non
Discussion on risk project management Examples, and group discussions	30 min	Discussion	Sur place	Synchrone	Enseignant présent	Non	Non	Non	Non	Non
Charge totale de l'unité	1.5h									
Seminar on risk management										
Creating risk management plan Students prepare risk management plan for their projects.	60 min	Pratique	Sur place	Synchrone	Enseignant présent	Oui	Oui	Non	Non	Non
Discussion on risk management plan Students presents their risk management plan and receive feedback from teachers and peers	30 min	Discussion	Sur place	Synchrone	Enseignant présent	Oui	Oui	Enseignant, Pair	Non	Non
Charge totale de l'unité	1.5h									

<p>Periodical Exam 1</p> <p>Plan competence development to support IT project management in the context of EU funds and programs. (20%), Apply project management methods and appropriate software tools to the project cycle of an IT project. (20%), Create a financial plan, time plan and risk management plan. (10%), Analyze the basic features of IT projects. (20%), Analyze project success criteria and the importance of making valid and timely decisions in project cycle phases. (20%)</p>										
<p>Preparation</p>										
<p>Preparation for the Exam Student independently prepare for the periodical exam.</p>	120 min	Investigation	Sur place	Asynchrone	Enseignant non présent	Non	Non	Non	Non	Non
<p>Preparation for the Exam Student independently prepare for the periodical exam.</p>	120 min	Pratique	Sur place	Asynchrone	Enseignant non présent	Non	Non	Non	Non	Non
<p>Preparation for the Exam Student independently prepare for the periodical exam.</p>	120 min	Pratique	Sur place	Asynchrone	Enseignant non présent	Non	Non	Non	Non	Non
<p>Preparation for the Exam Student independently prepare for the periodical exam.</p>	120 min	Investigation	Sur place	Asynchrone	Enseignant non présent	Non	Non	Non	Non	Non
<p>Preparation for the Exam Student independently prepare for the periodical exam.</p>	60 min	Investigation	Sur place	Asynchrone	Enseignant non présent	Non	Non	Non	Non	Non

Charge totale de l'unité	9h											
Exam												
Taking Part in the Exam Student take the exam.	45 min	Évaluation	Sur place	Synchrone	Enseignant présent	Non	Non	Non	Non	20	Sommative	Enseignant, Automatisé
Reflection on the Results Students reflect on the results of the exam based on the analysis presented by the teacher.	30 min	Discussion	Sur place	Synchrone	Enseignant présent	Non	Non	Enseignant	Non	Non		
Charge totale de l'unité	1.25h											
Final IT Project Applications and Evaluation Apply project management methods and appropriate software tools to the project cycle of an IT project. (20%) , Analyze the basic features of IT projects. (10%) , Evaluate a project application based on tender criteria and conditions. (20%)												
Final Project Applications and Evaluation												
Finalization of IT Project Applications Teams work collaboratively to finalize their IT project applications, integrating feedback received throughout the course.	300 min	Production	Sur place	Asynchrone	Enseignant non présent	Oui	Oui	Non	Non	Non		
Project Evaluation From Students will analyze the evaluation criteria for IT projects. Based on that, they will make further adjustments to their IT project applications.	90 min	Investigation	Sur place	Asynchrone	Enseignant non présent	Oui	Oui	Non	Non	Non		

<p>Teacher and Employer Assessment of IT Projects</p> <p>Students submit their final project proposals. The teacher and employers will assess the final projects.</p>	30 min	Évaluation	Sur place	Synchrone	Enseignant présent	Non	Non	Non	Non	20	Sommative	Enseignant, Pair
Charge totale de l'unité	7h											
<p>R&D Project: EU Funding Opportunities and Case Studies</p> <p>Plan competence development to support IT project management in the context of EU funds and programs. (20%), Analyze EU programs and funds to support the funding of an IT R&D project. (70%)</p>												
EU strategic planning of funding programs & EU programs												
<p>Lecture on EU Strategic Planning and Funding Programs</p> <p>This lecture will provide an overview of the EU's strategic planning of funding programs, covering the Horizon scanning, the main goals, priorities, and structure of key funding programs such as Horizon Europe, Erasmus+, and the European Structural and Investment Funds. Students will gain an understanding of how these programs contribute to R&D projects in IT.</p>	45 min	Acquisition	Sur place	Synchrone	Enseignant présent	Non	Non	Non	Non	Non		

<p>Group Discussion on EU Funding Criteria Students will be given several examples of funded IT-related projects. In this discussion session, students will engage in a group discussion focusing on the eligibility criteria and evaluation process for EU funding of IT projects. They will critique and debate how these criteria influence project planning and execution.</p>	45 min	Discussion	Sur place	Synchrone	Enseignant présent	Oui	Non	Enseignant, Pair	Non	Non		
<p>Investigating EU policy creation and programs characteristics Students work independently and investigate on their own Horizon Scanning publications and different EU programs based on provided e-book, links and material in Moodle and external sources. Additionally, they research EU fund absorption capacity and project success factors.</p>	120 min	Investigation	En ligne	Asynchrone	Enseignant non présent	Non	Non	Non	Non	Non		
Charge totale de l'unité		3.5h										
IT project ideas and EU programs												
<p>Case Study Analysis of Funded IT Projects Students will investigate and analyze case studies of successful IT projects funded by the EU. This activity will involve searching for relevant documentation, identifying key factors that contributed to their approval, and discussing these findings in groups. Students will classify several projects into suitable programs.</p>	30 min	Investigation	Sur place	Synchrone	Enseignant présent	Oui	Oui	Enseignant, Pair	Non	1	Formative	Enseignant

<p>Exercise on Preparing Project idea A practical workshop where students will work in teams to develop a mock project idea for an EU-funded IT R&D project. They will create elements basic description of the project and find appropriate project calls for which the project idea can be eligible.</p>	45 min	Pratique	Sur place	Synchrone	Enseignant présent	Oui	Oui	Enseignant, Pair	Non	Non
<p>Peer Review Session of Proposal Drafts Students will exchange their draft proposals with peers and provide detailed feedback. This peer review session focuses on evaluating the completeness, coherence, and feasibility of the proposals, encouraging students to refine their ideas based on peer suggestions.</p>	15 min	Pratique	Sur place	Synchrone	Enseignant présent	Oui	Oui	Enseignant, Pair	Non	Non
<p>Reflection on project idea Based on the inputs from the other team, the project team investigates further and prepares a new project idea.</p>	60 min	Investigation	Hybride	Asynchrone	Enseignant non présent	Oui	Oui	Non	Non	Non
Charge totale de l'unité		2.5h								
<p>Needs Analysis and Project Charter Analyze EU programs and funds to support the funding of an IT R&D project. (10%), Evaluate a project application based on tender criteria and conditions. (10%), Create a project application for an R&D IT project based on a tender for EU funding through collaborative teamwork. (30%)</p>										

Needs analysis in line with EU program requirements										
<p>Introduction to needs analysis for EU Programs and Funding The teacher will present a need analysis for various EU funding programs relevant to IT R&D projects as well as evaluation criteria that include need analysis. How to find similar projects, and research papers to support project ideas? How to build problem tree?</p>	30 min	Acquisition	Sur place	Synchrone	Enseignant présent	Non	Non	Non	Non	Non
<p>Interactive Discussion: Aligning Project Needs with EU Requirements In small groups, students will discuss how to align a project's specific needs with the eligibility criteria of suitable EU programs. They will articulate their understanding and challenge each other's ideas on the best programs for hypothetical project scenarios.</p>	20 min	Discussion	Sur place	Synchrone	Enseignant présent	Oui	Oui	Enseignant, Pair	Non	Non
<p>Lesson: Problem tree - project objective tree Students watch a short video on problem tree and objective tree construction or listen the lecture on the topic.</p>	20 min	Acquisition	Sur place	Asynchrone	Enseignant non présent	Non	Non	Non	Non	Non
<p>Starting a Problem Tree In teams, students discuss the most pressing issues related to their project idea. They start building a problem tree.</p>	20 min	Pratique	Sur place	Synchrone	Enseignant présent	Oui	Oui	Enseignant	Non	Non

<p>Logical Framework Matrix</p> <p>Create a financial plan, time plan and risk management plan. (10%), Create a project application for an R&D IT project based on a tender for EU funding through collaborative teamwork. (20%)</p>										
<p>Introduction to Logical Framework Matrix</p>										
<p>Video on Logical Framework Matrix Basics</p> <p>Students will watch a video that provides an overview of the Logical Framework Matrix (LFM), including its purpose, structure, and application in project management. Key concepts such as goals, objectives, outputs, and activities will be discussed.</p>	30 min	Acquisition	Sur place	Asynchrone	Enseignant non présent	Non	Non	Non	Non	Non
<p>Lecture: Plenary Discussion</p> <p>Students will discuss the LFM basics and have an opportunity to ask questions during class time with a teacher.</p>	30 min	Discussion	Sur place	Synchrone	Enseignant présent	Non	Non	Enseignant, Pair	Non	Non
<p>Group Discussion on Example LFMs</p> <p>Students are presented with examples of Logical Framework Matrices from past projects. They participate in a group discussion, where they will analyze and critique the examples. This will help them understand how to effectively use the matrix and how to identify common mistakes.</p>	20 min	Discussion	Sur place	Synchrone	Enseignant présent	Oui	Oui	Enseignant, Pair	Non	Non

<p>Practical Exercise: Starting a Draft of a Logical Framework Matrix Working in teams, students will start drafting a Logical Framework Matrix for their project. In this first step, they will fill in the first column and the second row. They will present their drafts to the class for feedback.</p>	40 min	Pratique	Sur place	Synchrone	Enseignant présent	Oui	Oui	Enseignant, Pair	Non	Non
<p>Investigation Activity: Researching Successful LFM Applications Students will independently research online and offline resources to find case studies and examples of successful applications of the Logical Framework Matrix. They will gather information on best practices and look for examples of indicators and measures of indicators.</p>	60 min	Investigation	Sur place	Asynchrone	Enseignant non présent	Non	Non	Non	Non	Non
Charge totale de l'unité	3h									
Developing a Logical Framework Matrix for IT Projects										
<p>Pre-Class Research on Indicators Students engage in individual research to identify suitable indicators for their IT project proposals. They will explore various resources, including EU-funded project databases, to understand which indicators align well with their specific objectives and strategic goals.</p>	45 min	Investigation	Sur place	Asynchrone	Enseignant non présent	Non	Non	Non	Non	Non

<p>Teamwork: Constructing an LFM Building on the first draft and their findings on indicators, students will continue working on the LFM for their IT project. They will further develop project objectives, results, activities, and indicators. Students will align their LFM with the strategic goals of their proposed EU-funded projects.</p>	45 min	Pratique	Sur place	Synchrone	Enseignant présent	Oui	Oui	Enseignant, Pair	Non	Non		
<p>Peer Review and Feedback to LFM Teams will present their draft LFM to peers for critique. They will receive constructive feedback aimed at improving clarity, alignment with project objectives, and comprehensiveness of risk management strategies. This activity helps students refine their projects based on peer insights.</p>	45 min	Discussion	Sur place	Synchrone	Enseignant présent	Oui	Oui	Enseignant, Pair	Non	Non		
<p>Finalizing the LFM Based on the received feedback, students will further upgrade the draft LFM for their IT projects. They will submit the final version for assessment.</p>	60 min	Production	Sur place	Asynchrone	Enseignant non présent	Oui	Oui	Enseignant	Non	3	Formative	Enseignant
Charge totale de l'unité	3.25h											

<p>Work Breakdown Structure, Dissemination, Project Management and Timeline of an R&D Project</p> <p>Create a financial plan, time plan and risk management plan. (10%), Create a project application for an R&D IT project based on a tender for EU funding through collaborative teamwork. (10%)</p>										
<p>Work Breakdown Structure</p>										
<p>Discussion on WBS Examples In class, the teachers presents students with examples of WBSs from real projects. The examples are discussed based on the questions given by the teacher (e.g., what is the difference in WPs considering the rules of different calls; how many levels and WPs seems plausible with regard to projects of different complexity and budget; where are the WBS elements placed in an LFM).</p>	45 min	Discussion	Sur place	Synchrone	Enseignant présent	Non	Oui	Enseignant, Pair	Non	Non
<p>Lecture: Dissemination Students engage in a lecture with discussion on dissemination.</p>	25 min	Acquisition	Sur place	Synchrone	Enseignant présent	Non	Non	Non	Non	Non
<p>Lecture: Project Management Students engage in a lecture with discussion on project management in the context of an international R&D project compared to an IT project performed by one provider.</p>	20 min	Discussion	Sur place	Synchrone	Enseignant présent	Non	Non	Non	Non	Non

<p>Budget of an R&D Project</p> <p>Create a financial plan, time plan and risk management plan. (30%), Create a project application for an R&D IT project based on a tender for EU funding through collaborative teamwork. (10%)</p>												
<p>Understanding EU R&D Project Financing Rules</p>												
<p>Independent Investigation on Financial Rules</p> <p>Students investigate the financial rules of the given call ahead of the class.</p>	60 min	Acquisition	Sur place	Asynchrone	Enseignant non présent	Non	Non	Non	Non	Non		
<p>Lecture and Discussion on EU R&D Project Financing Rules</p> <p>Students will attend a lecture where they discuss with the teacher the specific financing rules of EU-funded R&D projects. The session will cover the categories of eligible costs and how funds are allocated for different activities and work packages.</p>	30 min	Discussion	Sur place	Synchrone	Enseignant présent	Non	Non	Non	Non	Non		
<p>Quiz on Project Financing</p> <p>Students will take a short quiz covering the basics of project financing.</p>	10 min	Évaluation	Sur place	Synchrone	Enseignant présent	Non	Non	Non	Non	1	Formative	Automatisé
<p>Investigation of Previous Funded Projects</p> <p>Students will investigate examples of previous R&D projects that were successfully funded by the EU. They will explore and analyze the financial structures and allocations presented in these project proposals, gaining insights into practical applications of the rules.</p>	20 min	Investigation	Sur place	Synchrone	Enseignant présent	Oui	Oui	Enseignant	Non	Non		

Starting a Draft Financial Plan for an R&D Project Students will start creating a basic financial plan for their R&D project. They will categorize eligible costs and allocate funds in accordance with the EU financing rules learned in the unit.	30 min	Pratique	Sur place	Synchrone	Enseignant présent	Oui	Oui	Enseignant	Non	Non			
Charge totale de l'unité		2.5h											
Developing a Detailed Project Budget													
Budget Breakdown Workshop Students will work to estimate costs and categories of costs for each work package. Facilitated by teachers, the workshop will provide guidance and feedback on appropriate cost allocation.	45 min	Pratique	Sur place	Synchrone	Enseignant présent	Oui	Oui	Enseignant	Non	Non			
Budget Proposal Presentation and Feedback Each project team will consolidate their budgeting efforts into a formal presentation that outlines their financial plan, cost justifications, and alignment with financing rules. This presentation will be assessed by teachers and peers.	45 min	Discussion	Sur place	Synchrone	Enseignant présent	Oui	Oui	Enseignant, Pair	Non	Non			
Finalizing the R&D Project Budget Students will work in teams to finalize the budget for their R&D projects, incorporating the received feedback. They will submit the assignment for assessment.	90 min	Production	Sur place	Asynchrone	Enseignant non présent	Oui	Oui	Enseignant	Non	3	Formative	Enseignant	
Charge totale de l'unité		3h											

<p>Impact Plan, Implementation, Monitoring, and Reporting</p> <p>Plan competence development to support IT project management in the context of EU funds and programs. (20%), Analyze project success criteria and the importance of making valid and timely decisions in project cycle phases. (20%), Create a project application for an R&D IT project based on a tender for EU funding through collaborative teamwork. (5%)</p>										
<p>Impact and Implementation of R&D Projects</p>										
<p>Lecture on Impact Planning and Implementation</p> <p>Students will attend a lecture that provides an overview of theoretical insights and practical guidelines on impact planning, implementation, and monitoring of R&D projects. The lecture will address key components such as analyzing roles and responsibilities, preparing a detailed impact plan, and ensuring the fulfillment of project goals.</p>	45 min	Acquisition	Sur place	Synchrone	Enseignant présent	Non	Non	Non	Non	Non

Case Study on Successful R&D Project Implementation Students will investigate real-world case studies of successful R&D project implementations. This activity involves exploring project documentation to identify critical success factors, challenges, and the methods used to address them in alignment with EU project rules. Student will be provided with project reports, impact plans, evaluations.	45 min	Investigation	Sur place	Synchrone	Enseignant présent	Oui	Oui	Non	Non	Non
Charge totale de l'unité		1.5h								
Consolidation of an R&D Project Proposal										
Workshop: Developing an Impact Plan In a hands-on workshop, students will work in teams to create a detailed impact plan for their R&D project proposal. They will be tasked with drafting strategies to ensure consistent monitoring and successful achievement of the predefined impacts.	45 min	Production	Sur place	Synchrone	Enseignant présent	Oui	Oui	Enseignant	Non	Non
Draft Project Application Teams will consider the project application form (in line with the call) and ask the teacher any questions related to the finalization of the project proposal.	45 min	Discussion	Sur place	Synchrone	Enseignant présent	Oui	Oui	Enseignant	Non	Non
Charge totale de l'unité		1.5h								

Periodical Exam 2

Plan competence development to support IT project management in the context of EU funds and programs. **(10%)**, Create a financial plan, time plan and risk management plan. **(10%)**, Analyze EU programs and funds to support the funding of an IT R&D project. **(20%)**, Analyze project success criteria and the importance of making valid and timely decisions in project cycle phases. **(20%)**, Evaluate a project application based on tender criteria and conditions. **(10%)**, Create a project application for an R&D IT project based on a tender for EU funding through collaborative teamwork. **(5%)**

Preparation

Preparation for the Exam Student independently prepare for the periodical exam.	60 min	Investigation	Sur place	Asynchrone	Enseignant non présent	Non	Non	Non	Non	Non
Preparation for the Exam Student independently prepare for the periodical exam.	180 min	Pratique	Sur place	Asynchrone	Enseignant non présent	Non	Non	Non	Non	Non
Preparation for the Exam Student independently prepare for the periodical exam.	120 min	Pratique	Sur place	Asynchrone	Enseignant non présent	Non	Non	Non	Non	Non
Preparation for the Exam Student independently prepare for the periodical exam.	120 min	Investigation	Sur place	Asynchrone	Enseignant non présent	Non	Non	Non	Non	Non

Preparation for the Exam Student independently prepare for the periodical exam.	180 min	Investigation	Sur place	Asynchrone	Enseignant non présent	Non	Non	Non	Non	Non		
Charge totale de l'unité	11h											
Exam												
Taking Part in the Exam Student take the exam.	60 min	Évaluation	Sur place	Synchrone	Enseignant présent	Non	Non	Non	Non	20	Sommative	Enseignant, Automatisé
Reflection on the Results Students reflect on the results of the exam based on the analysis presented by the teacher.	30 min	Discussion	Sur place	Synchrone	Enseignant présent	Non	Non	Enseignant	Non	Non		
Charge totale de l'unité	1.5h											
Final Project Applications and Evaluation Analyze project success criteria and the importance of making valid and timely decisions in project cycle phases. (20%) , Evaluate a project application based on tender criteria and conditions. (60%) , Create a project application for an R&D IT project based on a tender for EU funding through collaborative teamwork. (20%)												
Final Project Applications and Evaluation												

