

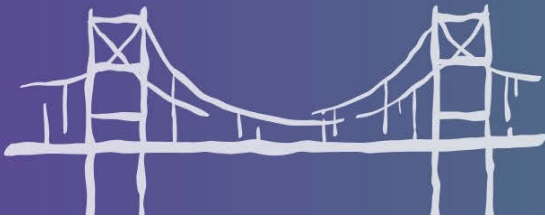
Leading Complex Projects for a Sustainable Future

EELISA Summer School on Project Management

For whom?

- Students and staff interested in developing project management skills
- Professionals interested in boosting their careers

Apply before
June 1, 2025!



July 7-11, 2025



Istanbul Technical University
Ayazaga Campus

EELISA Summer School on Project Management

Learning Station:

**‘Leading Inter-disciplinary Projects
for a Sustainable Future’**

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Learning Station Information Table

Content	Explanation
Code	LS_PM_EELISA_01
Initial design date	1 April 2025
Final revision date	16 April 2025
ECTS	5 ECTS
Subject	Project management
Keywords	Project management, Inter-disciplinary project, Sustainability
Title	Leading Complex Projects for a Sustainable Future - EELISA Summer School on Project Management
Level	Basic - Intermediate
Target audience (potential participants / learner profile/)	Students and professionals from all disciplines
Short description	<ul style="list-style-type: none"> ▪ A dynamic, hands-on learning experience designed for EELISA students and alumni who want to lead projects that create real impact across borders and disciplines. ▪ This hybrid program blends cutting-edge project management practices with challenge-based learning, teamwork, and sustainability-driven thinking. Over five immersive days in Istanbul, participants will tackle real-world case projects, collaborate with diverse peers, and gain the tools to manage complexity in today's interconnected world. Topics covered include: <ul style="list-style-type: none"> ▪ Introduction to project management and basic concepts ▪ Entrepreneurship projects and value creation ▪ Project planning ▪ Agile, Lean, and Adaptive Project Management ▪ Project execution, monitoring & change management ▪ Project closure and performance evaluation

Learning objectives (LObs)

- LObj1: Understand the fundamentals and methodologies of project management
- LObj2: Design and plan value-creating projects
- LObj3: Manage project resources, stakeholders, and risks
- LObj4: Apply Agile principles and iterative planning technique
- LObj5: Monitor project performance and ensure proper closure

Number of modules

13

Learning outcomes (LOs)

- LO(S): Understand the scope, methodology and the expected outcomes of the summer school
- LO1: Explain the organizational structure of projects, define key roles and responsibilities, and evaluate the critical factors influencing team performance and project success
- LO2: Differentiate between various project management methodologies (Waterfall, Agile, Hybrid)
- LO3: Design and propose value-creating projects by evaluating alternatives and developing a structured project plan
- LO4: Develop a project foundation by preparing key planning documents, defining scope, scheduling activities, and allocating resources for effective project execution and control
- LO5: Develop a cost estimation, establish a cost baseline and budgeting framework
- LO6: Develop a stakeholder management and engagement plan
- LO7: Implement a risk management framework
- LO8: Understand Agile and Lean methodologies
- LO9: Create a sprint backlog and plan iterations
- LO10: Monitor project progress using KPIs
- LO11: Understand project closure practices
- LO(F): Give / receive construction feedback on project outcomes

Teaching methodology

The **EELISA Summer School on Project Management** has been designed according to the **Learning Station Model**, a student-centered educational framework developed for the **ITU Center for Excellence in Education**. The Learning Station Model provides a flexible, iterative learning structure that emphasizes active learning, collaborative problem-solving, and real-world application, integrating elements of Project-Based Learning (PBL) and Challenge-Based Learning (CBL) to maximize engagement and practical skill development. The summer school's pedagogical approach ensures that participants acquire both theoretical knowledge and hands-on experience in project management.

Related SDGs



Other relevant SGD in relation to selected case projects

Assessment methods

- Presentation on case projects (deliverables)
- Peer review
- Reflections on learning journeys
- Project evaluation rubric
- Participation (min 75% required)

Calendar	<ul style="list-style-type: none"> ▪ Day Start (S): Info session: 25 June 2025 ▪ Day 1: 7 July 2025 ▪ Day 2: 8 July 2025 ▪ Day 3: 9 July 2025 ▪ Day 4: 10 July 2025 ▪ Day 5: 11 July 2025 ▪ Day Finish (F): 21 July 2025
Duration (hours)	<ul style="list-style-type: none"> ▪ In-person attendance: 25 hours ▪ Digital attendance: 7 hours
Prerequisites	None
Learners with special needs	Learners with special needs should contact ITU Center for Excellence in Education (ITU CEE) before summer school starts (mukemmeliyet@itu.edu.tr).
Learning materials and resources	Learning materials and resources will be delivered after the info session (see global program)
Quota	50 participants
Language	English
Notes	None

Global Program

Day	Content	Type of delivery	Duration (hrs)
S*	Info session	Online	3
1	Introduction to project management and basic concepts	Physical	5
2	Entrepreneurship projects and value creation	Physical	5
3	Project planning	Physical	5
4	Agile, Lean, and Adaptive Project Management	Physical	5
5	Project execution, monitoring & change management	Physical	5
F**	Project closure and performance evaluation	Online	4

* (S) Day 'Start': An online info session targeting registrants will be organized before the on-site part of the summer school starts. The session is aimed at introducing the scope, methodology and the expected outputs of the summer school, in addition to pre-delivering learning materials and addressing questions relating to the organizational aspects.

** (F): Day 'Finish'

Registration

Applications will be received until **1 June 2025** (for the waiting list). You can apply for summer school by filling out [this registration form](#).

The following documentation must be attached to the enrolment application:

- Curriculum Vitae
- Letter of Motivation (up to 500 words)

A maximum of 50 applicants will be accepted to the summer school. The applicants' CVs and Letters of Motivation will be reviewed to decide who will attend. Applicants accepted to the summer school will be notified by email on **5 June 2025**.

Pricing & Payment Details

Pricing

- 250 Euros for students from EELISA universities*
- 350 Euros for students from other institutions**
- 400 Euros for staff from EELISA universities**
- 550 Euros for professionals**

** ITU will waive the tuition fee for up to 10 eligible applicants from EELISA universities who meet the admission criteria.
(One eligible applicant per EELISA partner university)*

*** Tuition fee covers coffee breaks and lunch.*

For EELISA participants, travel and accommodation may be supported by your EELISA institution. Please contact your local EELISA project coordinator beforehand.

Participants who attend at least 7 out of 10 modules of the summer school and who submit the final project report will be awarded a certificate by ITU CEE.

Payment

Payment platform will be active soon on the [ITU EELISA Web Page](#).

Instructors & Organizing Team

Instructors



Hür Bersam Sidal

Dr. Hür Bersam Sidal is a Professor in Istanbul Technical University Faculty of Management, Management Engineering Department. She has got a bachelor's degree and doctorate degree from ITU Management Engineering Department and ITU Science and Technology Institute respectively. Besides many research papers; she gives various lectures in different universities in the field of operations management such as production planning, supply chain management, productivity and project management. Her main research areas are supply chain and reverse logistic network design and advanced issues in project management. Hür Bersam Sidal has taken part in various national and international projects as a project manager and researcher. She has been a board member at the ITU Center for Excellence in Education since 2019.

Associate professor in management engineering in Istanbul Technical University. Her research interests are technology and innovation management, management information systems, project management, social innovation, sustainable innovation and entrepreneurship and business data analytics. She is currently a board member of ITU Social Innovation Center, Social Sciences Ethical Board and ABET Programme Coordinator in ITU. She is also a social impact analyst in scientific and social funding programs and an entrepreneurship mentor in acceleration and incubation centers of universities and science parks in Turkey.



Nihan Yıldırım



Emrah Acar

Emrah Acar is an Associate Professor of Construction Project Management in Istanbul Technical University Faculty of Architecture. He received his PhD degree in 2005 from ITU Science and Technology Institute in the field of construction management. He worked as a visiting scholar at the Illinois Institute of Technology (IIT). He took roles as a researcher in local and international research projects which focused on innovation and innovative learning. He is the Director of the ITU Centre for Excellence in Education and he is a member of the Board of Directors of the European Society for Engineering Education (SEFI – sefi.be). Acar's research, teaching and consultancy activities in the last decade focus on project management, knowledge management and the learning ecosystems of organizations in addition to emergency architecture. Acar has been working as the ITU coordinator of the EELISA European University project (eelisa.eu) since June 2021.

Organising Team

Semra Ahmetolan

Vice Director, ITU Centre for Excellence in Education
Department of Mathematics

Mehmet Aksu













Project Staff, ITU Centre for Excellence in Education

Hale İlkçakın








Project Staff, ITU Centre for Excellence in Education

Learning Station Modules









Content Delivery Modes







Delivery Mode	Icon	Description
Reading		Written/printed or digital resources related to the content (e.g., scientific article, book, thesis, blogs etc.)
Video		Videos relating learning content
Survey		Surveys (e.g., for delivering content within the scope of the module or receiving feedback from the learners)
Presentation		Presentations of all types designed for a better understanding of the content
Discussion		Physical/digital discussion environments created for the delivery of content
Template		Templates relating learning content
Case Study		Case examples relating learning content
Hands-on Exercise		Exercises given to learners for better understanding and reinforcing the learning through hands-on exercises in/out of the classroom / Learning- by-doing
Artificial Intelligence		Deployment of AI technologies and machine learning capacities to resolve complex problems.
Mindmap		Utilization of mind mapping tools and cognitive visualization strategies to tackle complex problems.
Software		Software relating content
Assessment		Assessment tools of all types relating content (e.g., assessment for learning, assessment as learning, and assessment of learning)

Day S: Info Session







MODULE S	CONTENT DELIVERY MODES							LEARNING OUTCOME
CONTENT								LO(S): Understand the scope, methodology and the expected outcomes of the summer school
Readiness Level Survey (Anonymous)			✓					
Ice-breaker exercise (Belbin Inventory)			✓	✓	✓			
Onboarding Aim & scope				✓				
Pedagogical approach				✓				
Methodology				✓				
Expected outputs				✓				
Introduction to challenges & case projects	✓			✓		✓	✓	
Learning materials	✓	✓		✓				
Q&A session						✓		
Pre-assignment of teams					✓			

Day 1: Introduction to project management (PM) and basic concepts








MODULE 1	CONTENT DELIVERY MODES								LEARNING OUTCOME
CONTENT									LO1: Explain the organizational structure of projects, define key roles and responsibilities, and evaluate the critical factors influencing team performance and project success
Project Organization types	✓	✓				✓	✓	✓	
Team Formation	✓					✓			
Project Management Roles and Positions RACI - Responsibility Matrix	✓					✓		✓	
Leadership in Projects						✓	✓		
Key roles & stakeholders	✓					✓		✓	
PM methodologies and approaches	✓					✓			
PM Tools and Software	✓	✓						✓	
Project life cycle						✓			
Core knowledge areas	✓					✓			
Key project success factors	✓					✓	✓		
Real-World PM Failure Stories	✓					✓	✓		
Case project scope definition			✓	✓	✓	✓			






MODULE 2		CONTENT DELIVERY MODES					LEARNING OUTCOME
CONTENT							LO2: Differentiate between various project management methodologies (Waterfall, Agile, Hybrid)
Overview of Project Management Methodologies	✓			✓			
Waterfall Methodology				✓		✓	
Agile Methodology				✓			
Hybrid Approaches				✓			
Choosing right methodology		✓	✓	✓	✓		

Day 2: Entrepreneurship projects and value creation






MODULE 3		CONTENT DELIVERY MODES					LEARNING OUTCOME
CONTENT							LO3: Design and propose value-creating projects by evaluating alternatives and developing a structured project plan
Project Value Proposition Canvas and Mapping		✓	✓	✓		✓	
Empathy Maps – Design Thinking Basics in Projects	✓	✓	✓	✓		✓	
Business and Benefit Model Canvas Design		✓	✓	✓		✓	
Project Goals, objectives and Mission Statements				✓		✓	
Project Evaluation and Selection				✓		✓	
Real-World PM Failure Stories	✓	✓		✓	✓		
Multi-criteria decision making in Projects				✓		✓	

Day 3: Project Planning






MODULE 4		CONTENT DELIVERY MODES						LEARNING OUTCOME
CONTENT								LO4: Develop a project foundation by preparing key planning documents, defining scope, scheduling activities, and allocating resources for effective project execution and control
Managing project data – MS Teams				✓	✓		✓	
Project Charters				✓			✓	
Project Planning basics				✓				
Work Breakdown Structures	✓	✓	✓	✓			✓	
Project Scope Management				✓				
Project Scope Control				✓				
Project Scheduling				✓			✓	
Project Resource Allocation				✓				
Project Expedition				✓				
Real-World PM Failure Stories	✓			✓		✓		






MODULE 5		CONTENT DELIVERY MODES				LEARNING OUTCOME
CONTENT						LO5: Develop a cost estimation, establish a cost baseline and budgeting framework
Basics of project Cost Management	✓		✓			
Methods of Cost Estimation			✓			
Establishing the Cost Baseline		✓	✓			
Developing the Budgeting Framework			✓			
Monitoring and Controlling Project Costs			✓			
Real-World PM Failure Stories	✓		✓	✓		

MODULE 6		CONTENT DELIVERY MODES					LEARNING OUTCOME
CONTENT							LO6: Develop a stakeholder management and engagement plan
Stakeholder Identification			✓				
Stakeholder Register			✓			✓	
Stakeholder classification and categorization		✓	✓	✓			
Stakeholder Mapping			✓			✓	
Stakeholder management strategies			✓				
Stakeholder engagement planning			✓				
Stakeholder Communication			✓				
Stakeholder co-creation and involvement			✓				
Real-World PM Failure Stories	✓		✓		✓		
Conflict Resolution and Negotiation	✓	✓	✓		✓		
Communication Management- Planning and Execution			✓			✓	
Real-World PM Failure Stories	✓	✓				✓	






MODULE 7	CONTENT DELIVERY MODES					LEARNING OUTCOME
CONTENT						LO7: Implement a risk management framework
Risk Identification			✓			
Risk Registers		✓	✓		✓	
Risk Ownership			✓			
Real-World PM Failure Stories	✓		✓	✓		






Day 4: Agile, Lean, and Adaptive Project Management

MODULE 8	CONTENT DELIVERY MODES					LEARNING OUTCOME
CONTENT						LO8: Understand Agile and Lean methodologies
Introduction to Agile and Lean			✓	✓		
Core Principles of Agile Methodology			✓	✓		
Fundamentals of Lean Thinking			✓			
Comparing Agile and Lean Approaches			✓			
Real-World Applications and Case Examples	✓		✓			






MODULE 9		CONTENT DELIVERY MODES				LEARNING OUTCOME
CONTENT						LO9: Create a sprint backlog and plan iterations
Understanding Iterative Development in Agile			✓			
Sprint Planning Process			✓			
Creating and Managing the Sprint Backlog			✓		✓	
Iteration Planning		✓	✓		✓	
Monitoring and Adapting During the Sprint			✓			
Real-World PM Failure Stories	✓			✓		

Day 5: Execution, Monitoring & Change Management

MODULE 10		CONTENT DELIVERY MODES				LEARNING OUTCOME
CONTENT						LO10: Monitor project progress using KPIs
Tools for real-time tracking and reporting – Performance dashboards		✓	✓	✓	✓	
Identification of deviations and corrective actions			✓			
Change control processes and techniques			✓			
Conflict resolution in projects	✓		✓			
Real-World Applications and Case Examples	✓		✓	✓		

MODULE 11	CONTENT DELIVERY MODES					LEARNING OUTCOME
CONTENT						LO11: Understand project closure practices
Key Activities in Project Closure			✓			
Documentation and Knowledge Transfer			✓			
Lessons learned practices			✓		✓	
Celebrating Success and Recognizing Contributions			✓			

Day F: Project Presentations & Certification Ceremony

MODULE F	CONTENT DELIVERY MODES					LEARNING OUTCOME
CONTENT						LO(F): Give / receive construction feedback on project outcomes
Presentation on case projects			✓	✓	✓	
Review of each other's project plans using structured rubrics	✓				✓	
Reflections on learning journeys	✓		✓		✓	
Project evaluation rubric*					✓	

* For the evaluation of projects

Appendices

Resources (General)

The document updated with resources will be shared with participants before the summer school starts.

Resources (Modules)

The document updated with resources will be shared with participants before the summer school starts.

Istanbul & ITU Campus Guide

Istanbul

- **Istanbul Metropolitan Municipality Tourism Portal**
Website: <https://visit.istanbul>
Comprehensive cultural and historical information
Free walking tours, maps, and event calendar
- **Republic of Türkiye Ministry of Culture and Tourism**
Website: <https://www.ktb.gov.tr>
Heritage sites, museum passes, and curated city guides
- **UNESCO World Heritage – Istanbul**
Website: <https://whc.unesco.org>
Rich background on the Historic Areas of Istanbul
Great for academic context in history, architecture, and urban studies

Cultural Events

- **The 32nd Istanbul Jazz Festival**
Dates: July 1-18, 2025
Organized by the Istanbul Foundation for Culture and Arts (IKSV), this renowned festival celebrates its 32nd edition in 2025. It features over 200 local and international artists at nearly 40 concerts. Notable performers include the Chucho Valdés Royal Quartet, Hermanos Gutiérrez, and Max Richter. Concerts are held in various iconic venues throughout the city.

Istanbul and Campus Guide

- [Click to access Guide](#)