

PROJECT MANAGEMENT

Course code	<i>MNG163</i>
Compulsory in the programmes	<i>Industrial Technology Management</i>
Level of studies	<i>Undergraduate</i>
Number of credits	<i>6 ECTS (48 in-class hours + 6 consultation hours + 2 exam hours, 104 individual work hours)</i>
Course coordinator (title and name)	<i>Assoc. Prof. Dr. Alfredas Chmieliauskas</i>
Prerequisites	<i>No prerequisite or advance preparation required</i>
Language of instruction	<i>English</i>

THE AIM OF THE COURSE:

The course is designed to develop the insights and skills necessary to complete projects effectively, on time, and within budget. It also introduces students to organizational project management process, with special emphasis on its life cycle, and the tools used in managing and delivering projects. Upon successful completion of the course, students should have a solid understanding of contemporary project management and its benefits for their professional career and personal life.

The course focusses on operational project management issues (scope, time, cost, quality, human resources, communication, risk, stakeholders) and gives an overview of strategic project management aspects in organizations. Centered on the Waterfall approach, the course also introduces basic concepts of Lean/Agile. Multiple learning formats are used throughout the course, including lectures, workshops, homework assignments and classroom presentations. In an intensive group work environment students develop real-life project plans. Results of the group work are presented and discussed in a predefined format during workshops.

MAPPING OF COURSE LEVEL LEARNING OUTCOMES (OBJECTIVES) WITH DEGREE LEVEL LEARNING OBJECTIVES (See Annex), ASSESMENT AND TEACHING METHODS

Course level learning outcomes (objectives)	Degree level learning objectives (Number of LO)	Assessment methods	Teaching methods
CLO1. Understand basic processes, models, roles and responsibilities of project management.	BLO1.1. BLO4.3.	Workshop assignments, project planning report, written examination	Lectures, workshops
CLO2. Develop project plans to ensure that project outcomes reflect an appropriate organisational strategy.	BLO1.2 BLO3.1. BLO3.2.	Workshop assignments, project planning report	Lectures, workshops
CLO3. Choose and apply appropriate project stakeholder and risk management strategies.	BLO1.2. BLO4.3.	Project planning report	Lectures, workshops
CLO4. Use leadership techniques for motivating project teams and developing leadership abilities.	BLO4.1.	Workshop assignments	Lectures, workshops
CLO5. Communicate a workable project management approach that includes the typical steps, activities, and participant roles for a project life cycle.	BLO1.2. BLO4.2. BLO4.3.	Project planning report, presentation and opposition	Lectures, workshops

ACADEMIC HONESTY AND INTEGRITY

The norms of ISM University of Management and Economics Code of Ethics, including cheating and plagiarism prevention are fully applicable and will be strictly enforced in the course. Academic dishonesty and cheating can and will lead to a report to the ISM Committee of Ethics. With regard to remote learning, ISM remind students that they are expected to adhere and maintain the same academic honesty and integrity that they would in a classroom setting.



COURSE OUTLINE

Class No.	Class topics	In-class hours	Readings
1	Projects in an organizational context. Project business case.	4	[1] – ch. 2
2	Workshop: project business case.	4	
3	Project management functions. Project scope management. Project time management.	4	[1] – ch. 4, 5
4	Workshop: project scope plan and schedule (network diagram, Gantt chart, milestone plan).	4	[2] – ch. 5, 6
5	Project types. Project cost management. Project stakeholder management. Project risk management.	4	[1] – ch. 5, 6
6	Workshop: project costs estimation and budgeting, stakeholder management plan, risk management plan.	4	[2] – ch. 7, 11,13
7	Project control: milestone control vs. Earned Value Analysis (EVA). Project leadership: team process and team roles. Project lessons learned.	4	[1] – ch. 8 [2] – ch. 7, 9
8	Workshop: EVA simulation, team self reflection.	4	[3]
9	Introduction to Lean/Agile approach. Project management in action: real life cases of managing projects in organizations.	4	[4]
10	Workshop: project lessons learned.	4	
11	Beyond the tripple constraint: operational vs. strategic project management. Course wrap up and evaluation.	4	[1] – ch. 2
12	Workshop: project planning report presentation and opposition.	4	
		Total:	48
CONSULTATIONS			6
FINAL EXAM			2

FINAL GRADE COMPOSITION

Type of assignment	% of the final grade
<i>Group components (50%)</i>	
Workshop assignments	10
Presentation of a project plan	15
Opposition	10
Project planning report	15
<i>Individual components (50%)</i>	
Peer evaluation	10
Written examination	40
Class attendance	See the description below
Total:	100

DESCRIPTION AND GRADING CRITERIA OF EACH ASSIGNMENT

Workshop assignments account for 10% of the final grade. The assignments are graded based on timely submissions of gradually updated and enhanced versions of a project planning report (**classes 2, 4, 6, 8, 10**). If a group misses a workshop or does not submit the report, each time the workshop assignment grade is reduced by 2 points (out of 10). No late delivery is accepted.

Presentation of a project plan accounts for 15% of the final grade. The presentation speech (9 min., using PPT or similar format) shall be ready for the **class 12** (no advance upload is required) and it shall reflect the main points of a predefined project planning report structure. It is evaluated and graded during the **class 12**.

Opposition of a project planning report of the assigned group accounts for 10% of the final grade. Opposition speech (6 min., using PPT or similar format) shall be based on a timely uploaded evaluation document and it shall reflect the highest and the lowest scores in the evaluation document. It is evaluated and graded during the **class 12**. No late delivery is accepted.

Project planning report accounts for 15% of the final grade. The report (in PDF format) shall be uploaded timely for opposition. Following the presentation and opposition, a revised version of the report may be uploaded for grading before the written examination. No late delivery is accepted. If the revised version is not uploaded, the previous version is used for grading.

Peer evaluation accounts for 10% of the final grade. After **class 12** every group member evaluates the contribution of her/his peers to the groupwork by issuing individual grades and submitting to the instructor.

Written examination accounts for 40% of the final grade. The examination consists of answering any 4 out of 6 conceptual questions (including problem-solving) during the period of 90 minutes. It is administered in-class during the examination session.

Class attendance is an important part of the learning process and should be considered both a privilege and a responsibility. Generally left to the discretion of each individual, it is checked once – during the **class 9**. If a student misses the class her/his final grade is reduced by 0.5 point (out of 10).

The final grade (the total) for the course is calculated as a weighted average of (not rounded) 6 grades: a grade for the workshop assignments, a grade for the presentation of a project plan, a grade for the opposition, a grade for the project planning report, a peer evaluation grade, and a grade for the written examination. If any of these grades is negative (i.e., less than 5) it is replaced by 0 when calculating the final grade (the weighted average). The final grade may be reduced to reflect the class attendance (see above). Instructor reserves the right to add up to 1 point to the final grade based on the contribution and professionalism exhibited by a student in class.



RETAKE POLICY

In case of a negative final grade, a student is allowed only to re-take the written examination. The re-take accounts for 40% of the final grade.

REQUIRED READINGS (SEE THE CHAPTER NUMBERS IN THE COURSE OUTLINE ABOVE)

1. Schwalbe, K. (2021). An Introduction to Project Management: Predictive, Agile, and Hybrid Approaches (7th ed.). ISBN: 979-8695713459
2. PMI. (2017). A Guide to the Project Management Body of Knowledge (PMBOK Guide, 6th ed.). Project Management Institute. 578 p. ISBN: 978-1628251845.
3. Girvan, L., Girvan, S. (2022). Agile from First Principles. BCS, The Chartered Institute for IT. 286 p. ISBN: 978-1780175799.
4. Isaac, M., Carson, K. (2016). A Guide to Belbin Team Roles. Bridge Publ. 78 p. ISBN: 978-0986295676.

ADDITIONAL READINGS, e.g., Internet sources, slides, teacher's notes are provided during the classes.

DEGREE LEVEL LEARNING OBJECTIVES

Learning objectives for the Bachelor of Business Management

*Programmes:
International Business and Communication,
Business Management and Marketing, Finance,
Industrial Technology Management*

Learning Goals	Learning Objectives
Students will be critical thinkers	BLO1.1. Students will be able to understand core concepts and methods in the business disciplines
	BLO1.2. Students will be able to conduct a contextual analysis to identify a problem associated with their discipline, to generate managerial options and propose viable solutions
Students will be socially responsible in their related discipline	BLO2.1. Students will be knowledgeable about ethics and social responsibility
Students will be technology agile	BLO3.1. Students will demonstrate proficiency in common business software packages
	BLO3.2. Students will be able to make decisions using appropriate IT tools
Students will be effective communicators	BLO4.1. Students will be able to communicate reasonably in different settings according to target audience tasks and situations
	BLO4.2. Students will be able to convey their ideas effectively through an oral presentation
	BLO4.3. Students will be able to convey their ideas effectively in a written paper

Learning objectives for the Bachelor of Social Science

*Programmes:
Economics and Data Analytics,
Economics and Politics*

Learning Goals	Learning Objectives
Students will be critical thinkers	ELO1.1. Students will be able to understand core concepts and methods in the key economics disciplines
	ELO1.2. Students will be able to identify underlying assumptions and logical consistency of causal statements
Students will have skills to employ economic thought for the common good	ELO2.1. Students will have a keen sense of ethical criteria for practical problem-solving
Students will be technology agile	ELO3.1. Students will demonstrate proficiency in common business software packages
	ELO3.2. Students will be able to make decisions using appropriate IT tools
Students will be effective communicators	ELO4.1. Students will be able to communicate reasonably in different settings according to target audience tasks and situations
	ELO4.2. Students will be able to convey their ideas effectively through an oral presentation
	ELO4.3. Students will be able to convey their ideas effectively in a written paper