Course syllabus

1. Core data

Course code	Credits	Semester
INIR041NMBB	6	2024/25/2

Course title in Hungarian		
Folyamat-menedzsment		

Course title in English
Business Process Management

Course title in other language

Course leader	Institute
Őri Dóra	Institute of Data Analytics and Information Systems

Language of instruction	Type of final assessment
Hungarian	Seminar grade

Number of theoretical classes per week (full-time programmes)	Number of practical classes per week (full-time programmes)
2	2

Number of theoretical classes per semester (part-time programmes)	Number of practical classes per semester (part-time programmes)
0	0

Available for preferential study schedule
No

2. Main features

Course objectives

IT affects the performance of companies and organisations through business processes. New technologies require significant transformation to maximise opportunities, and the impact of this can be seen in digitalisation efforts. Aligning organisation, processes and technology is a complex and risky task that determines long-term efficiency and effectiveness. The radical reorganisation/reengineering of processes in a customer-centric way has previously been known as BPR (Business Process Reengineering). Today, a more serious approach based on systems analysis is known as Business Process Management. The course introduces the student to the basics of BPM, the elements of process modelling methods (ePC and BPMN 2.0), techniques, optimisation, reengineering, implementation and measurement, and the technologies used for process management.

Brief description of the course

The course introduces the student to the basics of process management: the concept of process, the role of processes in business, the process approach, the systems model of process management in enterprise activities, technological and organisational issues. Emphasis will be placed on process optimisation, process reengineering, the implementation of new processes and process measurement. The course will introduce students to process modelling methodologies (ePC and BPMN 2.0) and basic modelling techniques.

Relationship with other courses of the programme

The subject is integrative, building on business knowledge (Business Economics, Management and Organisation) and also using IT knowledge (Systems Development, Digital Solutions for Business).

3. Learning outcomes

Skill	Knowledge	Attitude	Autonomy and Responsibility
Identify, interpret and describe processes in a structured way (textual/tabular documentation)	Understand the role of processes in business, know the concepts and terms related to processes Knowledge of the aspects and tools related to the	The ability to apply methodological tools in a complex, problem-oriented way, taking into account their potential and limits.	The ability to independently design, develop, plan and implement a development concept based on an analysis of the area to be

			transformed.
	description and interpretation of processes		
	Knowledge and understanding of the functional organisation of the company and the basic concepts and procedures related to value-creating processes.		
Ability to model business processes using a process modelling tool, prepare complex models to represent the process	Knowledge of process modelling methods, approaches, methods, rules and objects of event-driven and BPMN modelling		
Ability to identify business process problems, develop reengineering opportunities, design better processes using innovative IT solutions, organisational and other approaches.	Knowledge of process innovation, process improvement methods, the most important aspects of business justification and feasibility analysis		
	Knowledge of process management technologies (modelling tools, measurement/reporting, implementation tools (ERP, Workflow, RPA, SOA, etc.)		
	Knowledge of the basic approaches and methods of process monitoring		
	Understand the transformational, organisational, business and market impact of new technologies.		
Identify potential organisational problems related to process improvement and propose solutions. (With a background in process management, organisational theory, knowledge management and management, collaborate in assessing the impact of organisational changes resulting from the introduction of IT applications)	Knows the basic tools of organisational change management		
	Knowledge and understanding of the functional organisation of the company and the basic concepts and procedures related to value-creating processes.		
Present professional proposals and positions, professionally formulated from a conceptual and theoretical point of view, orally and in writing, in Hungarian and in a foreign language, according to the rules of professional communication.	Knowledge of the genre of the presentation: structure, structure, unity of visualisation and verbal part.		
	Possesses a basic vocabulary of business informatics in his/her mother tongue and at least one foreign language.		

4. Mandatory readings

Required literature	URL