



V-716-BPMA

BUSINESS PROCESS MANAGEMENT

6 ECTS

Ár:	Fyrsta ár MSc.
Önn:	Vorönn.
Stig námskeiðs:	Námskeið á meistarastigi.
Tegund námskeiðs:	Valnámskeið fyrir allar námsbrautir í MSc verkfræði. <i>Ráðlagt val fyrir MSc rekstrarverkfræði.</i>
Undanfarar:	Engir.
Skipulag:	Upplýsingar verða birtar í kennslukerfinu Canvas í upphafi annar.
Umsjónarkennari:	Tilkynnt síðar.

Lærdómsviðmið:

Collection of facts, concepts, theories, and techniques acquired by the degree holder. Knowledge can both be theoretical and applied. The student should be able to:

- Identify and characterize the key ideas of process thinking (e.g., organizing firms in processes instead of organizational functions)
- Describe and explain the phase of the Business Process Management lifecycle (e.g., from process discovery over design to monitoring and controlling)
- Identify and discuss additional factors relevant for Business Process Management (e.g., strategic alignment, organizational culture)

Entail the ability to apply knowledge. Skills can indicate general skills that are not limited to a certain scientific field or profession, as well as specific skills. The student should be able to:

- Identify the differences between process-oriented management approaches and other approaches to management
- Choose and apply process analysis and design methods (e.g., process modeling, process simulation) to existing business processes
- Analyze the business impact of Business Process Management

Entail the ability to apply knowledge and skills to work and study. The student should be able to:

- Improve the efficiency and effectiveness of an organization by applying the ideas of Business Process Management
- Organize Business Process Management programs and projects

Lýsing:

Business Process Management (BPM) is an interdisciplinary approach to the analysis, design, implementation, and improvement of organizational work processes and supporting IT systems. The goal of BPM is to increase operational efficiency and effectiveness (e.g., product/service quality, compliance) by understanding a company as a system of business processes, instead of functional departments only. This course covers all phases of the BPM lifecycle, from process identification over modeling, analysis, redesign, automation, to process monitoring and performance management. In addition, strategic (e.g., alignment, governance) and social (e.g., people, culture) factors of BPM will be covered. In interactive sessions students will learn state-of-the-process analysis methods and tools (e.g., process modeling with BPMN, process simulation with ARENA) and study real-world case studies related to process-oriented management methodologies like Six Sigma and Lean Management.

Lesefni, kennsluáðferðir, námsmat: Upplýsingar verða birtar í kennslukerfinu Canvas í upphafi annar.

Tungumál: Enska.

Birt með fyrirvara um breytingar.

Uppfærðar upplýsingar um námsmat og kennsluáðferðir eru birtar í kennslukerfinu Canvas í upphafi hvorrar annar.