

School of Engineering and Natural Sciences / Industrial Engineering (English)

2022 - 2023 Academic Year

BUSINESS PROCESS ANALYSIS and DESIGN

Syllabus

Course Description					
Name	Code	Semester	T+A Hour	Credit	ECTS
BUSINESS PROCESS ANALYSIS and DESIGN	IND4110791	Fall Semester	3+0	3	6
Prerequisites Courses	MODELLEME VE BENZETİM; KALİTE MÜHENDİSLİĞİ				
Recommended Elective Courses					
Language of Instruction	English				
Course Level	First Cycle (Bachelor's Degree)				
Course Type	Elective				
Course Coordinator	Assoc.Prof. Yasin GÖÇGÜN				
Name of Lecturer(s)	Lect. Özgür EROL				
Assistant(s)					
Aim					
Course Content	This course contains; Identifying Business Processes for Redesign, Process and Business Process Definitions and Concepts, Industrial Engineering and Business Process Analysis and Design, Business Process and Analysis and Design and Other Quality Programs, Business Process Analysis Tools and Techniques, Presentation to introduce a Process Project, Business Process Management tools, Modeling Business Processes (flowcharts), Introduction to AS-IS vs TO-BE business process concepts, Identifying Key Performance Metrics for Business Processes and Measuring Processes, Identifying Key Performance Metrics for Business Processes and Measuring Processes, Identifying Business Processes for Redesign, Business Process Reengineering and Redesign, Impact of IT on Business Processes, E-commerce and Business Processes, Impact of IT on Business Processes, E-commerce and Business Processes.				
Course Learning Outcomes		Teaching Methods	Assessment Methods		
Students learn to identify key performance metrics for business processes and based on these they can identify processes to be changed or redesigned.					
Students learn the definition and architecture of business processes and their importance for a company.					
Students learn business process analysis and design approach and its relation with other quality-related programs.					
Students learn tools and techniques of process analysis and design and apply through a project.					
Students learn the current and creative approaches on business process design/redesign					
Teaching Methods					
Assessment Methods					
Lecture Schedule					
Sequence	Topics	Preliminary Preparation			
0	Identifying Business Processes for Redesign				
1	Process and Business Process Definitions and Concepts				
2	Industrial Engineering and Business Process Analysis and Design				
3	Business Process and Analysis and Design and Other Quality Programs				
4	Business Process Analysis Tools and Techniques				
5	Presentation to introduce a Process Project				
6	Business Process Management tools				
7	Modeling Business Processes (flowcharts)				
8	Introduction to AS-IS vs TO-BE business process concepts				
9	Identifying Key Performance Metrics for Business Processes and Measuring Processes				
10	Identifying Key Performance Metrics for Business Processes and Measuring Processes				
11	Identifying Business Processes for Redesign				
12	Business Process Reengineering and Redesign				
13	Impact of IT on Business Processes, E-commerce and Business Processes				
14	Impact of IT on Business Processes, E-commerce and Business Processes				
Evaluation Methods		Weight(%)			
Midterm Exam		30			
General Exam		70			

Resources