

Processing Technology IV. - RTSFT4ETNC
2018/2019. 1. Semester

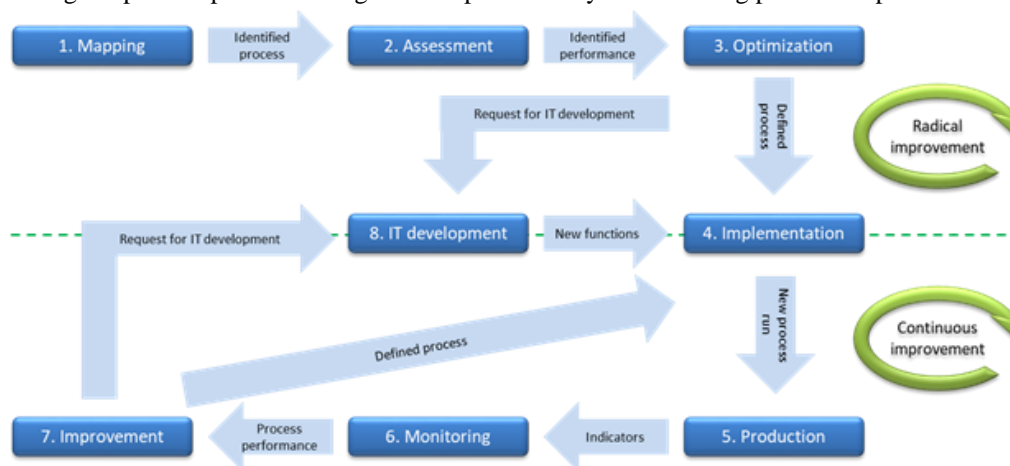
ÓBUDA UNIVERSITY						
Rejtő Sándor Faculty of Light Industry and Environmental Engineering			Faculty	Media Technology and Light Industry		Institute
Hungarian title of the course:		Processing Technology IV.			Neptun code:	RTSFT4ETNC
English title of the course:		Processing Technology IV.			Credit:	5
Type (compulsory/obligatory):		Compulsory	Education Type	Full-time	Semester:	1
Study field:		Environment engineer				
Lecturer:	Dr. Tamás Csiszér					
Required preliminary knowledge:		Processing Technology III, Statistics				
Weekly teaching hours:	Lecture:	2	Practical work:	1	Laboratory work:	0
Exam type:		Offered mark	Language of course:	English	In timetable:	Time: Tuesday 8:55-11:30 Place: Packaging Laboratory

CURRICULUM

Abstract:

Educational aim: understanding the elements and fields of industry-independent process management. After summarizing process mapping and assessment knowledge (see. Processing Technology III.), lectures cover the approaches, methods, techniques and tools of process optimization (focusing on Lean and Six Sigma methodologies), planning of IT support for processes (BPMN, Enterprise Architecture), process implementation (documentation, trainings), production (resource allocation, capacity planning, linear programming, maintenance), monitoring (KPI management, statistical process control) and process improvement.

The connections among the parts of process management is presented by the following process map.



Detailed schedule of the course:

Topics of exercises:

Educational week	Date	Description
1.	12/09.	Introduction to the course, summary of process mapping and assessment
2.	19/09	Process optimization 1
3.	26/09.	Process optimization 2

4.	03/10.	IT development 1
5.	10/10.	IT development 2
6.	17/10.	Process implementation 1
7.	24/10.	Process implementation 2
8.	31/10	Test 1
9.	07/11.	Production 1
10.	14/11	Production 2
11.	21/11	Process monitoring 1
12.	28/11	Process monitoring 2
13.	05/12	Process improvement
14.	12/12	Test 2, homework presentation
Requirements		
<i>Attendance at lectures:</i>		
The lectures are compulsory. The rules of education and exam directory (TVSZ) are the guidelines.		
<i>Exams and tests (types, data)</i>		
9.	Test 1 for the subject of lectures 1-7	
14.	Test 1 for the subject of lectures 9-13	
14.	Presentation of homework	
<i>Requirements for qualification:</i>		
Active participation in events.		
<i>Type of exam (written, oral, tests etc.) and the method of assessment:</i>		
Test 1 (max. 50 p.), Test 2 (max. 50 p.), Homework (max. 50 p.)		
Marks: 0-60 p. 1 (fail) 61-82 p. 2 (pass) 83-105 p. 3 (satisfactory) 106-127 p. 4 (good) 128-150 p. 5 (excellent)		
Literature		
<i>Compulsory:</i>	Presentations and other materials given by lecturer	
<i>Recommended:</i>	TBD	
Quality Management		
The structure of the course is harmonized with other lecturers from different universities. Assessment of students is carried out at every lecture, and at the end of semester. The ppt files are continuously renewed according to the new literature data.		