

CURRICULUM PARTITION AND REQUIREMENT SYSTEM

OBUDA UNIVERSITY

Sándor Rejtő Faculty of Light Industry and Environmental Engineering		Institute of Media Technology and Light Industry	
<i>Subject:</i>	LEAN AND GREEN PRINTING	<i>Neptun-code:</i>	RMTLGANVNC
<i>Lecturer:</i>	Dr. Csaba Horváth	ECTS:	3
<i>Weekly classes:</i>	2 hours of lecture	Language:	English

SUBJECT CONTENT

Education goals:

The course is a primer that serves a dual role for today's students of graphic communication. It's an introduction to lean, a bridge to that world of abstract theories. It's also a first pass – a necessary first coat – that will provide a solid base for any printer who wants or needs to begin the journey of becoming lean and green enterprise.

Topics of the practice work with terms and description:

Week	Topic with brief description:
1.	Lean Foundations
2.	Core Sustainability in Printing and Packaging
3.	5S – The Beginning of Lean
4.	Setup Reduction and Total Productive Maintenance (TPM)
5.	Quality at Source: Building in Quality
6.	Visual management and Kaizen
7.	Value Stream Mapping and Flow (+ written test)
8.	High Impact Prepress Technologies
9.	Sheetfed Printing Productivity
10.	High Volume Web Offset Printing
11.	Recycling Completes the Process Chain, Culture of Success: Empowerment versus Control
12.	Lean Success – Steps to Move Forward (+ written test)
13.	Improver written test
14.	Evaluation

BIBLIOGRAPHY

Cooper K. – Malcolm G. K. _ Kenneth L. M. Jr. : Lean Printing – Pathway to Success
 Printing Industries Press, Pittsburgh, 2010, ISBN:978-0-88362-688-7
 Cooper K.: Lean Printing – Cultural Imperatives for Success
 Printing Industries Press, Pittsburgh, 2010, ISBN:978-0-88362-688-7
 Wells N. (ed.) :PRINT: Seen! Lean & Green
 PrintCity GmbH &Co. KG. Gröbenzell, Germany, 2012
 Lectures in PPT files on the homepage of Institute of Media Technology