

OPTIMIZATION OF PRODUCTION: COST-EFFICIENT MANUFACTURING

LEVEL OF COURSE UNIT

Bachelor

LEARNING OUTCOMES OF COURSE UNIT

Students are able to:

- identify the process and tools of cost management in product development.
- select and employ tools based on specific targets.

COURSE CONTENTS

- Cost perspective (product costs vs. lifecycle costs)
- Cost responsibility / influence on costs in product development
- Process for cost management in product development
- Tools for cost management
- Influences and advantages of measures to reduce costs in product development

LITERATURE RECOMMENDATIONS

- Ehrlenspiel et al. (2014): Kostengünstig Entwickeln und Konstruieren: Kostenmanagement bei der integrierten Produktentwicklung, 7. Aufl., Springer Vieweg Wiesbaden
- VDI-Gesellschaft Produkt- und Prozessgestaltung (2011): Wertanalyse - das Tool im Value Management, 6. Aufl., Springer Verlag Berlin
- Bokranz, Landau (2012): Handbuch Industrial Engineering, 2. Aufl., Schäffer –Poeschl, Stuttgart

TEACHING AND LEARNING METHODS

Lecture

EVALUATION METHODS CRITERIA

Elaboration, presentation

LANGUAGE OF INSTRUCTION

English

NUMBER OF ECTS CREDITS ALLOCATED

1