

Incoming student mobility

Name of UNIOS University Unit: Mechanical Engineering Faculty in Slavonski Brod

COURSES OFFERED IN FOREIGN LANGUAGE FOR ERASMUS+ INDIVIDUAL INCOMING STUDENTS

Department or Chair within the UNIOS Unit	Department of Industrial Engineering
Study program	Mechanical Engineering
Study level	Graduate (master)
Course title	New Production Strategies and Philosophies
Course code (if any)	P 726
Language of instruction	English
Brief course description	To provide a comprehensive examination of the management of both goods-producing and service-producing processes. To enable students understanding of different production types: from single till lot sizing production for metal-processing, wood, electro, food, construction, chemical and process industry. The syllabus includes production strategies like JIT, GT, MRP, MRPII, ERP, ERP II, Kanban, Kaizen, TQM, Taguchi method, Ishigawa diagram, quality circles, Jidoka, TPM etc. and new organisational structures: virtual factory, lean production etc. Influence and applying of certain strategy in production are shown.
Form of teaching	Lectures and exercises
Form of assessment	Course based assessment; Written exam
Number of ECTS	5
Class hours per week	2 hours of lectures + 2 hours of exercises
Minimum number of students	5
Period of realization	Winter semester
Lecturer	Full Prof. Dr. Roberto Lujic