



UNIVERSITY OF NIŠ

Course Unit Descriptor

Faculty

GENERAL INFORMATION

Study program

Engineering management

Study Module (if applicable)

Course title

PRODUCTION PROCESS

Level of study

Bachelor Master's Doctoral

Type of course

Obligatory Elective

Semester

Autumn Spring

Year of study

Three

Number of ECTS allocated

6

Name of lecturer / lecturers

Saša Randelović

Teaching mode

Lectures Group tutorials Individual tutorials
 Laboratory work Project work Seminar
 Distance learning Blended learning Other

PURPOSE AND OVERVIEW (max. 5 sentences)

Introducing students with the basic production processes which are technologically based society as a precondition for overall economic growth. Analyzing production processes themselves, the necessary resources and mutual technology integration acquire the basic knowledge required for their management and monitoring. This subject students gives to the basic knowledge of the representative processes are usually represented in the local economy. Hereby, they receive a good basis for the analysis, management and monitoring of any smaller or larger real production process when future engineering practice.

SYLLABUS (brief outline and summary of topics, max. 10 sentences)

Theory: 1. Industrial and technological potential of a society. 2. The level of technological development and production perspective. 3. The existing, modern and future production processes. 4. The production process and the voice of the customer, market analysis. 5. Design sustainable production processes and their resources. 6. Selection of the key sub-processes, defining key parameters. 7. Production processes in the metal processing industry. 8. The manufacturing process of steel and aluminum. 9. Production processes of sheet metal. 10. Production processes of bulk forming when cold. Production processes of bulk forming in the hot state. 11. Production processes in the chemical industry, processing

of polyethylene. 12. Other manufacturing processes, inspection and analysis.

LANGUAGE OF INSTRUCTION

- Serbian (complete course) English (complete course) Other _____ (complete course)
 Serbian with English mentoring Serbian with other mentoring _____

ASSESSMENT METHODS AND CRITERIA

Pre exam duties	Points	Final exam	points
Activity during lectures	5	Written examination	20
Practical teaching	5	Oral examination	50
Teaching colloquia	20	OVERALL SUM	100

*Final examination mark is formed in accordance with the Institutional documents