Study program / course: Mechanical Engineering	
Type and level of study: Basic academic studies	
Course: Production systems	
Lecturers: Slavko M. Arsovski, Miladin Z. Stefanovic	
Status of course: Joint for **M₆,** VI semester	
Number of ECTS: 6	
Prerequisite: none	

The course objective: Presentation of concept and detail of production systems, identification and management of production processes using general concepts of management of technologies and production, supply management, CAPP, costs management, just-in-time, TQM and CIM concept.

The course outcome:
Understanding and knowledge of general skills, knowledge and competences connected to structures, management and directions of development of production and other parts of production system.

Syllabus:
Theory
In the theoretical part of the course following fields will be covered: introduction to theory of the systems and management of the systems, information systems, basis of production systems, management of technologies and products, CAPP systems, supply management, planning and production control, quality management, tolls management, maintenance management, cost management, directions of development of production systems and flexible automatizaion.

Recommended reading:
1.Perovic M., Arsovski S., Arsovski Z: Production systems,. CIM, Faculty of Mechanical Engineering, Kragujevac, 1996.
2. Arsovski S., Perovic M.: Flexible automatisation, CIM techniques and technologies, Faculty of Mechanical Engineering, Kragujevac, 1994.

The number of hours of active teaching:				Other classes: 1
Theory: 3	Practical classes: 1.6	Other forms of teaching: 0.4	Research study: 0	

Methods of teaching
Classical, frontal lecturing, combined with individual and group approach using modern education equipment. Evaluation of knowledge: tests and seminars.

Evaluation of knowledge (maximal 100 points)			
Pre-final exam obligations	**Points**	**Final exam**	**Points**
Activities during the classes	10	Written	-
Activities during the exercises	-	Oral presentation	30
Tests:	40		
Homeworks:	20		