



UNIVERSITY OF NIŠ

Course Unit Descriptor

Faculty

Faculty of Mechanical Engineering

GENERAL INFORMATION

Study program

Manufacturing & Information Technologies

Study Module (if applicable)

Course title

Ecologization of production systems

Level of study

Bachelor Master's Doctoral

Type of course

Obligatory Elective

Semester

Autumn Spring

Year of study

1

Number of ECTS allocated

6

Name of lecturer/lecturers

dr Predrag Janković

Teaching mode

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

PURPOSE AND OVERVIEW (max. 5 sentences)

Students acquire basic knowledge about ecology, ecological materials and the greening of production processes, technology and systems.

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

Sustainable systems. Production technologies and their impact on the environment. Risk and laws exploitation of natural reserves. Development of new materials and technologies in mechanical engineering from the aspect of ecology. The choice of materials and technologies for environment protection sredinei. Aspects of energy efficiency of production systems in order to protect the environment and natural resources. "Green Technology" and the processes of open flow of materials and energy. Review of legislation in the field of environmental protection.

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	15	Written examination	
Practical teaching	10	Oral examination	30
Teaching colloquia	45	OVERALL SUM	100

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