



UNIVERSITY OF NIŠ

Course Unit Descriptor

Faculty

Faculty of Mechanical Engineering

GENERAL INFORMATION

Study Program	Mechanical Engineering		
Study Module (if applicable)	-		
Course Title	Selected Topics in Theory of Sustainable Development		
Level of Study	<input type="checkbox"/> Bachelor	<input type="checkbox"/> Master's	<input checked="" type="checkbox"/> Doctoral
Type of Course	<input type="checkbox"/> Obligatory	<input checked="" type="checkbox"/> Elective	
Semester	Autumn	<input checked="" type="checkbox"/> Spring	
Year of Study	II		
Number of ECTS Allocated	10		
Name of Lecturer/Lecturers	Assoc.Prof. Gordana Stefanovic		
Teaching Mode	<input checked="" type="checkbox"/> Lectures	<input type="checkbox"/> Group tutorials	<input type="checkbox"/> Individual tutorials
	<input type="checkbox"/> Laboratory work	<input checked="" type="checkbox"/> Project work	<input checked="" type="checkbox"/> Seminar
	<input type="checkbox"/> Distance learning	<input type="checkbox"/> Blended learning	<input type="checkbox"/> Other

Purpose and Overview (max. 5 sentences)

Preparing students for independent scientific and scientific-technical work in the field of sustainable development. Students will master the existing theoretical and the latest research achievements in the field of sustainable development in order to be able to studied objectively, systematic and critical the phenomena and problems in the economic, social and environmental sphere, as well as their relationship and interactions.

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

1) The concept of sustainable development, 2) Resources, Environment and Economic Development . Relation between economic growth and environmental protection, 3) Social well-being and sustainable development. The concept of production of wealth, growth and development. Factors of social welfare, 4) The economic aspect of sustainable development. "Green" economy . Pats for achieving a "green" economy: " harmful subsidies " , " green taxes " , 5) State of the environment and sustainability. Dimensions of, 6) Sustainable development and social justice , 7) Sustainable Energy, 8) Urban sustainability. Cities and globalization. Cities and sustainability. Cities as sustainable communities. Management in cities, 9) Sustainable development indicators . Economic indicators . Indicators of the environment . Social indicators . Energy indicators for sustainable development. Sustainability Index, 10) Multi-criteria analysis as a tool for assessing of sustainability. Methods for selection criteria for the assessment of sustainability. Review of methods used in multi-criteria decision making.

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
Terms papers	70	Oral Examination	30
		Overall Sum	100

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