

## UNIVERSITY OF NIŠ

Course Unit Descriptor		Faculty	aculty of Mechanical Engineering		
GENERAL INFORMATION					
Study Program	Mechanic	Mechanical Engineering			
Study Module (if applicable)	Manageme	Management of innovation and product development			
Course Title	PRODUCT DEVELOPMENT METHODS				
Level of Study	Bachelor	· 🛛 Mas	laster's 🗌 Doctoral		
Type of Course	🗆 Obligato	ry 🛛 🖾 Elec	tive		
Semester	🛛 Autumn	🛛 Autumn 🗌 Spring			
Year of Study					
Number of ECTS Allocated	7				
Name of Lecturer/Lecturers	Anđelković R. Boban				
	⊠ Lecture	s 🗆 Grou	p tutorials 🛛 🛛 Individua	l tutorials	
Teaching Mode	🗆 Laborato	ory work 🛛 🛛 Proje	ct work 🛛 Seminar		
	□ Distance	learning 🛛 🗆 Blend	ded learning 🛛 🗆 Other		
Purpose and Overview (max. 5 s	entences)				
Introduce students to methods us finding solutions, identification pa		•		•	
Syllabus (brief outline and sumn	nary of topics,	max. 10 sentences)			
Basic concepts of product develo basic principles and methods of P clarification. Correlations betwe structuring problems. Descriptio development. Determination of t solutions (methods of evolutiona the method catalog, the method	D. Design and een requests. n of the syste he product. Cr ry analogy me	analysis of the target Documentation requ m on an abstract lev eating ideas for findir thod, Brainstorming,	in PD. Planning objectives in irements. Structuring pro el. The integration of avail g solutions. Methods for g Brain writing(635), function	n practice. Method requires blems in PD. Methods of able human resources and enerating new ideas to find al decomposition, synectic,	
Language of Instruction					
⊠Serbian (complete course) □ English (complete course) □ Other (complete course)					
□Serbian with English mentoring	g □Serb	ian with other mentor	ing		
Assessment Methods and Criter	ia				
Pre exam Duties		s Final Exam	Points		
Activity During Lectures		Written Examinatio	n o	0	
Practical Teaching		Oral Examination	50		
Teaching Colloquia		Overall Sum	100	100	

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