



UNIVERSITY OF NIŠ

Course Unit Descriptor**Faculty**

Faculty of Mechanical Engineering

GENERAL INFORMATION

Study Program	Mechanical Engineering		
Study Module (if applicable)	-		
Course Title	Quality of Welded Structures		
Level of Study	<input checked="" type="checkbox"/> Bachelor	<input type="checkbox"/> Master's	<input type="checkbox"/> Doctoral
Type of Course	<input type="checkbox"/> Obligatory	<input checked="" type="checkbox"/> Elective	
Semester	<input type="checkbox"/> Autumn	<input checked="" type="checkbox"/> Spring	
Year of Study	IV		
Number of ECTS Allocated	5		
Name of Lecturer/Lecturers	Miroslav M. Mijajlović		
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)

Introduce students to the basic principles and rules for the development, maintenance and improvement of quality of the welded structures.

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

1) Introduction to quality assurance in welding and welded structures, 2) Quality control during construction development, 3) Residual stresses and deformations in the welded structures, 4) Welding workshops, tools and accessories, 5) Health and safety, 6) Measurement, control and record producing for welding, 7) Imperfections in welded joints and acceptance criteria, 8) Testing of welds by non-destructive methods, 9) Economy and productivity 10) Repair welding, 11) Worked examples.

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	0
Practical Teaching	20	Oral Examination	40
Teaching Colloquia	35	Overall Sum	100

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