

	<b>UNIVERSITY OF EAST SARAJEVO</b> Faculty of Mechanical Engineering					
	<b>Study program: Mechanical Engineering</b>					
	1 <sup>ST</sup> LEVEL OF STUDIES			1 <sup>ST</sup> YEAR		
<b>Course title</b>	<b>ENGINEERING GRAPHICS</b>					
<b>Department</b>	Department of Mechanical constructions and Engineering Design					
<b>Code</b>		<b>Course status</b>		<b>Semester</b>		<b>ECTS</b>
MC-06-1-003-1		Mandatory		I		6
<b>Professor</b>	PhD Biljana Marković, full professor					
<b>Teaching assistant</b>	M. Sc. Spasoje Trifković - teaching assistant, M. Sc. Aleksija Đurić - teaching assistant					
<b>Number of hours (per week)</b>			<b>Individual student workload (in hours in semester)</b>			<b>Coefficient of student workload S<sub>0</sub></b>
<b>L</b>	<b>E</b>	<b>LE</b>	<b>L</b>	<b>E</b>	<b>LE</b>	<b>S<sub>0</sub></b>
2	1	2	2*15*S <sub>0</sub>	1*15*S <sub>0</sub>	2*15*S <sub>0</sub>	1.4
Total total teaching hours in semester 2*15 + 1*15 + 2*15 = 75 hours				Total student's workload (in hours in semester) 2*15*S <sub>0</sub> + 1*15*S <sub>0</sub> + 2*15*S <sub>0</sub> = 105 hours		
Total course workload: 75 + 105 = 180 hours in semester						
<b>Student learning objectives</b>	<ol style="list-style-type: none"> <li>1. Introduction to the basic rules and concepts of technical drawing and drawing using a computer;</li> <li>2. Mastering 2D technical drawing in AutoCad software packages;</li> <li>3. Acquiring knowledge for independent production of graphic tasks, with an emphasis on the recording of parts, as well as the making workshop and assembly drawings,</li> <li>4. Particular emphasis on acquiring knowledge about tolerances and their use in technical drawings;</li> </ol>					
<b>Conditionality</b>	No conditioning					
<b>Teaching methods</b>	Lectures, exercises, graphic exercises, computer exercises, colloquiums					
<b>Content of the course by weeks</b>	<ol style="list-style-type: none"> <li>1. Introduction: Standards, standardization, the most important standards in mechanical engineering;</li> <li>2. Formatting, benchmarks, header, invoice, archiving of technical documentation;</li> <li>3. Technical letter, types and debit lines, use of drawings;</li> <li>4. Basic rules for showing relationships; simple and straightforward rendering;</li> <li>5. Pursuing, designing, watching, prospects;</li> <li>6. Orthogonal projection; Oblique and axometric thinning; European and American way of divination;</li> <li>7. Cut, predicate, use drawings, examples;</li> <li>8. Quotation, basic rules, quotation elements, use, possess tags, examples;</li> <li>9. Tolerances of length measures, peak presence; qualitative processing of occasional use, use on drawings, examples;</li> <li>10. Tolerance of face and position, examples;</li> <li>11. Display of threaded ties, tied wedge, rivets;</li> <li>12. Displaying springs, taking advantage of gears, sprockets, transfer memory, bearing;</li> <li>13. Simplified representation of welds on drawings;</li> <li>14. Parts recording, sketching, more sketching, smaller tools and accessories; Workshop drawing, assembly and subassembly drawing;</li> <li>15. Commercial drawing software packages (AutoCad); Application of computer graphics; Equipment, hardware lining;</li> </ol>					
<b>Required literature</b>						
<b>Authors</b>		<b>Name of the publication, publisher</b>		<b>Year</b>	<b>Pages</b>	
B. Marković, et al		"Inženjerska grafika sa praktičnim primjerima", Faculty of Mechanical Engineering East Sarajevo		2015.	-	
B. Marković		Script in English				
<b>Additional literature</b>						
<b>Authors</b>		<b>Name of the publication, publisher</b>		<b>Year</b>	<b>Pages</b>	
					-	
<b>Obligations, forms of knowledge check and assessment</b>	<b>Type of student evaluation</b>			<b>Points</b>	<b>Percentage</b>	
	attendance at lectures / exercises			4+4	8%	
	Colloquium I and II + Written exam			20+22	42%	
	Graphic works			20	20%	
	final exam (oral / written)			30	30%	
	Total			100	100 %	
<b>Web page</b>	<a href="http://www.maf.ues.rs.ba/PDF_za_sajt/ZAJEDNICKI_I_II_2017/Inzenjerska%20grafika.pdf">http://www.maf.ues.rs.ba/PDF_za_sajt/ZAJEDNICKI_I_II_2017/Inzenjerska%20grafika.pdf</a> (in Serbian)					

	language)
<b>Date of certification</b>	