



<b>Course ID:</b> HFH476	<b>Course name: ENVIRONMENT AND CORROSION</b>		
<b>Cycle: FIRST</b>	<b>Year: FOURTH</b>	<b>Semester: VII</b>	<b>ECTS credits: 3</b>
<b>Course status: MANDATORY</b>		<b>Total course hours: 30</b> Lectures: 30	
<b>Teaching participants:</b>	<b>Teachers and associates with expertise in the field to which the subject belongs</b>		
<b>Prerequisite for enrollment:</b>	-		
<b>Course aims:</b>	The aim of the module is to explain the impact of the environment on the corrosion processes and effects on the environment caused by corrosive destruction.		
<b>Thematic course units:</b>	<ol style="list-style-type: none"><li>1. Physical properties of the environment.</li><li>2. Atmospheric corrosion.</li><li>3. Corrosion in the soil.</li><li>4. Corrosion in water.</li><li>5. Corrosion in seawater.</li><li>6. Incidents arising from corrosion and fatigue of materials</li></ol>		
<b>Learning outcomes:</b>	<b>Knowledge:</b> Students will gain knowledge about different types of corrosion. <b>Skills:</b> Ability to recognize the type of corrosion. <b>Competences:</b> Application of protection against corrosion consequences on various materials.		
<b>Teaching methodology:</b>	Lectures (oral presentation and interactive classes)		
<b>Assessment methods and grading system<sup>1</sup>:</b>	<b>Grading criteria</b>		
	Criteria	Maximal score	Required score
	1. Class attendance	0	0
	2. Class activities	15	8
	3. Midterms	45	25
	4. Final exam	40	22
Total	100	55	
<b>Scores and grading</b>			
Score	Grade	Grade	

<sup>1</sup>The grading structure for each subject is determined by the Council of the organizational unit before the beginning of the academic year in which the subject is taught as per Article 64, paragraph 6 of the Law on Higher Education of Sarajevo Canton

	(BiH)	(ECTS)
< 55	5	F, FX
55-64	6	E
65-74	7	D
75-84	8	C
85-94	9	B
95-100	10	A

  

<b>Literature<sup>2</sup>:</b>	<p><b>Mandatory literature:</b></p> <ol style="list-style-type: none"> <li>1. S. Mladenović, Korozija materijala, Tehnološko metalurški fakultet, Beograd, 1990</li> </ol> <p><b>Supplementary literature:</b></p> <ol style="list-style-type: none"> <li>1. E. Sebenij, L. Hakl, Korozija metala, Tehnička knjiga, Beograd, 1980</li> <li>2. D. A. Jones, Principles and prevention of corrosion, Prentice Hall London, 1996</li> </ol>
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<sup>2</sup>The Senate of the higher education institution, as an institution, or the Council of the organizational unit of the higher education institution, as a public institution, determines by a special decision, which is published on its website before the beginning of the academic year obligatory, mandatory and recommended textbooks and manuals, as well as other recommended literature based on which exams are prepared and taken as per Article 56, paragraph 3 of the Law on Higher Education of the Sarajevo Canton