



<b>Course ID:</b> HTH301	<b>Course name: WASTE LANDFILLS</b>		
<b>Cycle: (I) FIRST</b>	<b>Year: THIRD (III)</b>	<b>Semester: VI</b>	<b>ECTS credits: 2</b>
<b>Course status: ELECTIVE</b>		<b>Total course hours: 30</b> Lectures: 15 Laboratory: 15	
<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>	Introduction to modern techniques of waste collection and disposal as well as the development of project tasks and landfill projects		
<b>Thematic course units:</b>	<ol style="list-style-type: none"><li>1. Introducing students to modern techniques of waste treatment</li><li>2. Theoretical bases, examples from practice and concrete solutions applied in modern practice</li><li>3. Development of project tasks and landfill projects</li><li>4. Waste, origin, types and treatment</li><li>5. Landfill, characteristics, types and problem they cause</li><li>6. Establishment and management of the landfill</li><li>7. Sanitary landfills</li><li>8. Hazardous waste management</li></ol>		

	<p>9. Mechanical biological processing</p> <p>10. Medical waste management</p>																																													
<b>Learning outcomes:</b>	<p>Students will be able to:</p> <ul style="list-style-type: none"> <li>- Gain knowledge of modern wastewater treatment techniques</li> <li>- Apply examples from practice in solving the problem of waste of all kinds</li> <li>- Design landfills and do project tasks in this area</li> </ul>																																													
<b>Teaching methodology:</b>	<p>1) Method of verbal presentation 2) Exercise method - landfill design 3) Field trip method (practical work)</p>																																													
<b>Assessment methods and grading system<sup>1</sup>:</b>	<table border="1"> <thead> <tr> <th colspan="3">Grading criteria</th> </tr> <tr> <th>Criteria</th> <th>Maximal score</th> <th>Required score</th> </tr> </thead> <tbody> <tr> <td>1. Class attendance</td> <td>5</td> <td>3</td> </tr> <tr> <td>2. Class activities</td> <td>15</td> <td>8</td> </tr> <tr> <td>3. Midterms</td> <td>40</td> <td>22</td> </tr> <tr> <td>4. Final exam</td> <td>40</td> <td>22</td> </tr> <tr> <td>Total</td> <td>100</td> <td>55</td> </tr> </tbody> </table> <table border="1"> <thead> <tr> <th colspan="3">Scores and grading</th> </tr> <tr> <th>Score</th> <th>Grade (B&amp;H)</th> <th>Grade (ECTS)</th> </tr> </thead> <tbody> <tr> <td>&lt; 55</td> <td>5</td> <td>F, FX</td> </tr> <tr> <td>55-64</td> <td>6</td> <td>E</td> </tr> <tr> <td>65-74</td> <td>7</td> <td>D</td> </tr> <tr> <td>75-84</td> <td>8</td> <td>C</td> </tr> <tr> <td>85-94</td> <td>9</td> <td>B</td> </tr> <tr> <td>95-100</td> <td>10</td> <td>A</td> </tr> </tbody> </table>	Grading criteria			Criteria	Maximal score	Required score	1. Class attendance	5	3	2. Class activities	15	8	3. Midterms	40	22	4. Final exam	40	22	Total	100	55	Scores and grading			Score	Grade (B&H)	Grade (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
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<b>Literature<sup>2</sup>:</b>	<p>Mandatory literature:</p> <p>1. Sredojević J.: Obrada i deponije otpada; Mašinski fakultet u Zenici; 2006</p> <p>Supplementary literature:</p> <ol style="list-style-type: none"> <li>1. Tammemagi H. J: The Waste Crisis: Landfills, Incinerators, and the search for a sustainable Future, New York, Oxford University press, 1999.</li> <li>2. Rushbroock P., Pugh M.: Solid Waste Landfills in middle-</li> </ol>																																													

<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

<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

and lower-income countries: a technical guide to  
planning, design, and operation, The World Bank,  
Washington, 1999.