



Course ID: HTH402	Course name: WASTEWATER PROJECT PROJECT		
Cycle: (I) FIRST	Year: IV (FOURTH)	Semester: VII	ECTS credits: 3
Course status: MANDATORY		Total course hours: 45 Lectures: 30 Laboratory: 15	
Teaching participants:	Teachers and associates with expertise in the field to which the subject belongs		
Prerequisite for enrollment:	-		
Course aims:	The aim of the subject is to get to know students with the most modern techniques used when caring for wastewater. Project of the basic facilities and devices of the wastewater transmission plant.		
Thematic course units:	1. Getting to know students with modern wastewater transmission techniques. 2. Theoretical basics, computational examples and concrete solutions were applied in industrial practice. 3. Development of project tasks and projects for the reservoir of industrial and municipal wastewater		
Learning outcomes:	Students will be able to: - Working to get to know the most modern techniques used when carving wastewater - recognize the importance of the projecting of the facilities and devices of the wastewater transmission plant - to overcome theoretical basics, computational examples and specific solutions applied in industrial practice - Analyze and work to develop project tasks and projects for the purification of industrial and utility wastewater		
Teaching methodology:	1) Method Verball Exposure 2) Discussion method		

	<p>3) Research Method 4) Method of practical work</p>																																													
<p>Assessment methods and grading system:</p>	<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> <tr> <th colspan="3">Scores and grading</th> </tr> <tr> <th>Score</th> <th>Grade (B&H)</th> <th>Grade (ECTS)</th> </tr> <tr> <td>< 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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<p>Literature:</p>	<p>Supplementary literature:</p> <ol style="list-style-type: none"> Hellman, D.-H.& Riegler, G. 2010, "Maschinenteknik in der Abwasserreinigung", WILEY-VCH. Mackenzie, L.D. 2010, "Water and Wastewater Engineering Design Principle and Practice", The McGraw-Hill Companies. Wilhelm, S. 2003, "Wasseraufbereitung", Springer. Abulencia, P.J.& Theodore L. 2009, "Fluid flow for the Practicing Chemical Engineer", John Wiley & Sons. 																																													