Course ID: HTH367	**Course name: CHEMICAL TECHNOLOGY**		
Cycle: (I) FIRST	**Year: III (THIRD)**	**Semester: VI**	**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 study of the basic legality of chemical technology, chemical technological processes with the consideration of concrete chemical productions that have the most important economic importance.		
Thematic course units:	1. Chemical process industry 2. Basics of technological operations 3. Chemical processing of water 4. Metallurgy 5. Oil 6. Colors and varnishes 7. Sugar production 8. Production of fats, oils and washing funds 9. Production of cellulose and paper		

<table>
<tr><td></td><td>10. Skin processing technology

11. New trends for the development of chemical technology

12. Basic Environmental Protection Techniques</td></tr>
<tr><td>Learning outcomes:</td><td>The student will be able to:
- master the knowledge of the basic legality of chemical technology
- Apply knowledge from basic technological processes, concrete chemical productions that have the most important economic importance.
- Apply knowledge from concrete chemical production in the development of basic environmental techniques.
- Apply acquired knowledge for the development of new chemical technology trends.</td></tr>
<tr><td>Teaching methodology:</td><td>1) Method of verball exposure
2) Discussion method
3) Method of visiting the economy and practical acquaintance of chemical-technological procedures</td></tr>
<tr><td>Assessment methods and grading system:</td><td>
<table>
<tr><th colspan="3">Grading criteria</th></tr>
<tr><th>Criteria</th><th>Maximal score</th><th>Required score</th></tr>
<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>
</table>
</td></tr>
<tr><td>Literature:</td><td>1. J.Sadadinović, Organska tehnologija, Tehnološki fakultet, Univerzitet u Tuzli,2008.
Dopunska:
2. Lj. Kostić-Gvozdenović,R.Ninković, Neorganska hemijska tehnologija, TMF, Beograd 1997.
3. Jaganjac,A., I.Tahirović, Osnove hemijske tehnologije</td></tr>
</table>

	za studente hemije, Univerzitet u Sarajevu PMF, Sarajevo 2005. 4. S. Tedeši, Zaštita voda, Hrvatsko društvo građevinskih inženjera,Zagreb,2007. 1. M. Bogner, M. Stanojević, O vodama, ETA, Beograd, 2006.