Course Package

Industrial Processes – 1A

Name module	Industrial Processes - 1A
Course Code	201500098
Educational programme	BSc Chemical Science and Engineering
Period	First block of the first semester (block 1A)
Study load	15 ECTS
Coordinator	M.A. Stehouwer

<table>
<tr><th colspan="4">Industrial Processes</th></tr>
<tr><th>block 1A</th><th>block 1B</th><th>block 2A</th><th>block 2B</th></tr>
<tr><td>Mathematics : Vector Calculus
(2 EC)</td><td rowspan="2"></td><td rowspan="2"></td><td rowspan="2"></td></tr>
<tr><td rowspan="2">Kinetics & Catalysis
(4,5 EC)</td></tr>
<tr><td rowspan="2">Industrial Chemistry & Processes
(4,5 EC)</td><td rowspan="2"></td><td rowspan="2"></td><td rowspan="2"></td></tr>
<tr><td>Project Sustainable Industrial Chemistry
(4 EC)</td></tr>
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Required preliminary knowledge: Basic course in thermodynamics, some knowledge of separation methods.

During this module the focus is on designing and studying chemical processes. Not only will you do this at a molecular level, where reaction kinetics and catalysis are important subjects, but also at process level. At process level, you will outline the most important process steps needed to make a desired product from different raw materials, such as crude oil, natural gas or biomass. In your Sustainable Industrial Chemistry team project, you will study a process in detail and see if you can make it more sustainable and also considering the social implications.

The modules are tentative and subject to change. Please check the website regularly.