

Course Package

Physical Transport – 1B

Name module	Physical Transport - 1B
Course Code	201400162
Educational programme	BSc Chemical Science and Engineering
Period	Second block of the first semester (block 1B)
Study load	15 ECTS
Coordinator	M.A. Stehouwer

Physical Transport			
block 1A	block 1B	block 2A	block 2B
	Physical Transport Phenomena (PTP) (7,5 EC)		
	Lab Course PTP (4 EC)		
	Project Numerical Modelling (3,5 EC)		

Required preliminary knowledge: Basic course in Thermodynamics, Preferred knowledge: Basics of Programming (Matlab), some Lab Experience.

Throughout this module you will learn how the fundamental aspects and the basic equations for describing transport of impulse, mass and energy can be applied to situations in engineering and everyday life. The ability to draft and (numerically) solve conservation laws (balances) is a core skill for (chemical) engineers. In your modelling project you will directly apply the knowledge you have gained. With the help of experiments, you will verify the models and determine the unknown parameters within the model.

The modules are tentative and subject to change. Please check [the website](#) regularly.