

Course Package

Chemistry and Technology of Materials

Name module	Chemistry and Technology of Materials
Educational programme	BSc Chemical Engineering
Period	Second quartile of the second semester (Quarter 2B)
Study load	15 ECTS
Coordinator	M.A. Stehouwer

Chemistry and Technology of Materials			
Quarter 1A	Quarter 1B	Quarter 2A	Quarter 2B
			Advanced Materials Science (4 EC)
			C & T of Inorganic Materials (4 EC)
			C & T of Organic Materials (4 EC)
			Project Materials S&T (3 EC)

Required preliminary knowledge: Basic knowledge of Materials Science.

The purpose of this module is to familiarize you with the relationships between a material's basic properties and its functional application. After all, every device – whether it is an artificial hip or a pair of sunglasses – combines the properties of different materials to achieve a certain purpose. In this module you will attend lectures on material synthesis and characterization, and put the theory in practice. You will discuss the mechanical, thermal and dielectric properties of materials. And in the second half of the module you will set to work on a project on inorganic chemistry.

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