UCLouvain

lchm2280

2026

Industrial chemistry

3.00 credits	30.0 h	Q2

Teacher(s)	Mutterer Vincent ;Vanlaethem Sophie ;
Language :	English > French-friendly
Place of the course	Louvain-la-Neuve
Main themes	The topics of the course may vary each year and will cover large areas of industrial organic and inorganic chemistry. Particular attention will be given to the following aspects: integration of production processes in the global industrial network, description of unitary operations, problems linked to the scaling up from the laboratory to pilot scale and to industrial production, economic aspects of the realisation of a process.
Learning outcomes	**At the end of this learning unit, the student is able to :** 1 The industrial chemistry course aims to give a foundation to future chemists in industrial chemistry practices, processes and problems in various domains. It will be supervised by a coordinator and will ideally benefit from the experience of teachers coming from industry. It particularly aims to consider chemistry in an economic context, analysing the connection between the development of chemical processes and the needs of our society, as well as their impact on the environment and management of natural resources. This course will be accessible to all chemistry master students, whatever their specialisation.
Content	Teaching will include lectures, seminars on specific topics, and whenever possible, visit to industrial installations.
Other infos	The course could be partly or totally delivered by an invited lecturer.
Faculty or entity in charge	CHIM

Programmes containing this learning unit (UE)

Program title	Acronym	Credits	Prerequisite	Learning outcomes
Master [120] in Biochemistry and Molecular and Cell Biology	BBMC2M	3		
Master [120] in Chemistry	CHIM2M	3		
Master [120] of Education, Section 4 : chemistry	CHIM2M4	3		