

Be part of an international network for the study of sustainable chemistry!

Project "DigiChem - Creating a digital study environment for sustainable chemistry" with international partners to start in October 2022

Circular economy, use of renewable raw materials, sustainable energy and water management: chemistry plays an important role with regard to a sustainable economy and society. As new chemical processes must be developed and existing processes must be adapted to changing conditions. This topic involves transnational problems and therefore international viewpoints should be included in the study program. For this reason within the framework of an "Erasmus+ Cooperation Partnership" the project "DigiChem" started this year with partners from **Gießen, Ljubljana, Padua and Zagreb**. "DigiChem" includes four new modules, each taking place at one of the partner universities, which participants will follow digitally. These modules will include online lectures, seminars as well as digital lab courses. In addition the program **will allow a group of 5 students from each partner to follow the lectures in person and participate in the lab courses on site**. The four modules will be awarded **18 ETCS to each of the five students**. Thus enabling intercultural exchange for students and teachers in the digital space as well as in the context of mutual visits.



The composition of the scientific consortium was chosen to make best use of the technical expertise of all partners and incorporate a well-rounded range of topics in the field of sustainability. These include "Green Chemistry", materials science, energy materials, technical chemistry,

recycling management and sustainability in organic chemistry. The modules and teaching units to be developed are intended to ensure high-quality inclusive teaching with the innovative subject-specific focus on "Sustainable Chemistry." The program will allow you to participate in up to four modules:

Introduction, Sustainable Synthesis, Energy Materials and Water Management

	Preparation	1 st run (incl. Evaluation & Optimization)	2 nd	Joint digital Study Program Sustainable Chemistry <i>Giessen Ljubljana Padova Zagreb</i>
Water Management		Lead: U Zagreb Partner: U Giessen, U Ljubljana, U Padova		
	Preparation	1 st run (incl. Evaluation & Optimization)	2 nd run (incl. Eval. & Opt.)	
Energy Materials		Lead: U Giessen Partner: U Ljubljana, U Padova, U Zagreb		
	Preparation	1 st run (incl. Evaluation & Optimization)	2 nd run (incl. Eval. & Opt.)	
Sustainable Synthesis		Lead: U Ljubljana Partner: U Giessen, U Padova, U Zagreb		
	Preparation	1 st run (incl. Evaluation & Optimization)	2 nd run (incl. Eval. & Opt.)	
Introduction Module		Lead: U Padova Partner: U Giessen, U Ljubljana, U Zagreb		

Be part of this exciting and new joint study program towards Sustainable Chemistry! If you are enrolled at one of the four universities in October 2022, and in the first year of Chemistry or Industrial Chemistry Master program of the University of Padova, you can apply by sending your current transcript of records and a motivation letter to digichem.chimica@unipd.it within the **10.10.2022** to become one of the five students allowed to join in presence and travel to the partner universities (costs covered by the project).