

UE Biobased polymers

 ECTS
3 credits

- > **Teaching language(s):** English
- > **Open to exchange students:** No

Presentation

Description

The course provides an overview of biosourced polymers comprising most abundant natural polymers, bio-engineered polymers, and polymers synthesized fully or partially from biobased substrates. The structure, important properties, synthesis, and application is addressed. Technological and future challenges, potential solutions and the major industry players who are bringing these materials to market are discussed.

Objectives

Skills:

Knowledge of the specificity of biobased polymers, methods of acquisition of biobased polymers by extraction or synthesis from biobased monomers, analysis of structure-properties –application.

Course parts

UE Biobased polymers - CM	Lectures (CM)	15h
UE Biobased polymers - TD	Tutorials (TD)	9h

Recommended prerequisites

Prerequisites: Polymers 1 & 2 (M1 Master Program)

Useful info

Contacts

Program director

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Campus

➤ Grenoble - University campus