

UE Biobased polymers



Niveau d'étude
Bac +5



ECTS
3 crédits



Composante
UFR Chimie-
Biologie



Période de
l'année
Toute l'année

- > **Langue(s) d'enseignement:** Anglais
- > **Ouvert aux étudiants en échange:** Oui
- > **Code d'export Apogée:** YAFF9U20

Présentation

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.

Objectifs

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.

Heures d'enseignement

UE Biobased polymers - CM	CM	15h
UE Biobased polymers - TD	TD	9h

Pré-requis recommandés

Prerequisites:

Polymers 1 & 2 (M1 Master Program)

Période : Semestre 9

Infos pratiques

Contacts

Responsable pédagogique

Anna Dr Szarpak

✉ Anna.Szarpak@univ-grenoble-alpes.fr

Lieu(x) ville

› Grenoble

Campus

› Grenoble - Domaine universitaire