COURSE DETAIL

BIOPOLYMERS AND SUSTAINABLE POLYMERS
Country Italy
Host Institution University of Bologna
Program(s) University of Bologna
UCEAP Course Level Upper Division
UCEAP Subject Area(s) Chemistry
UCEAP Course Number 179
UCEAP Course Suffix
UCEAP Official Title BIOPOLYMERS AND SUSTAINABLE POLYMERS
UCEAP Transcript Title BIOPOLY SUST POLY
UCEAP Quarter Units 6.00
UCEAP Semester Units 4.00

Course Description

This course is part of the Laurea Magistrale degree program and is intended for advanced level students. Enrolment is by permission of the instructor. The course requires basic knowledge of organic chemistry, general chemistry, and physical chemistry concepts as a prerequisite. The course explores topics including polymers and production processes from renewable sources, processes of recovery and recycling of polymeric materials, depolymerization and degradation of polymeric materials, production of biodegradable polymers, membranes and polymeric technologies, and composite materials for the environment and energy. The course includes a lab session where students work with biodegradable materials in order to understand their properties. Students prepare a lab report about this experience.

Language(s) of Instruction
English

Host Institution Course Number
88385

Host Institution Course Title
BIOPOLYMERS AND SUSTAINABLE POLYMERS

Host Institution Course Details
https://www.unibo.it/en/teaching/course-unit-catalogue/course-unit/2023/435259

Host Institution Campus
BOLOGNA

Host Institution Faculty

Host Institution Degree
LM in LOW CARBON TECHNOLOGIES AND SUSTAINABLE CHEMISTRY

Host Institution Department

Industrial Chemistry

Course Last Reviewed
2023-2024

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