

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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