



# Sustainable Plastics - From Feedstocks to Product Design

## KEY WORDS

LIFE CYCLE  
ASSESSMENT

MANUFACTURING

PROJECT-BASED  
LEARNING

## MAIN CONTENTS

The Sustainable Plastics - from natural raw materials to product design course is a qualification accredited by the university to respond to new mobility opportunities, offering a mixed (virtual and face-to-face) intensive course to give students the opportunity to gain skills to implement an experimental project.

## COURSE DYNAMICS

The Sustainable Plastics - from natural raw materials to product design micromodule aims to provide the concepts and research on the challenge of creating advanced polymeric products from renewable, natural, and sustainable resources. Specifically, the micromodule will provide knowledge in: polymeric and composite materials science and technology that enable job-ready skills; industrial waste reuse for circular design; traditional and emerging plastics processing technologies; advanced polymeric materials characterization; design and functionality-oriented sustainable plastic manufacturing.

The course is planned to have 3 ECTS (81 total contact hours) to generate the know-how adapted to the challenges of bioplastics within the circular economy in the plastics manufacturing industry.

## LANGUAGE

English

## EVALUATION METHODOLOGY

Evaluation through final report, its presentation and discussion.

## CONTACT US

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### Topic area

Plastics and polymers



### Format

Hybrid  
81 hs



### Level

Intermediate



Certificate of  
Approval

