



Course unit English denomination	Life cycle assessment and footprint analysis
Teacher in charge (if defined)	Alessandro Manzardo
Teaching Hours	16
Number of ECTS credits allocated	4
Course period	June 2026
Course delivery method	<input checked="" type="checkbox"/> In presence <input type="checkbox"/> Remotely <input type="checkbox"/> Blended
Language of instruction	English
Mandatory attendance	<input checked="" type="checkbox"/> Yes (% 70) <input type="checkbox"/> No
Course unit contents	<p>The course is aimed at presenting the Life Cycle Assessment and Footprint methodologies and their application for the evaluation of potential environmental impacts and the definition of strategies for the reduction of adverse environmental effects. The Course is structured according to the following modules</p> <ol style="list-style-type: none">1) Introduction to Life Cycle Thinking and EU Policies 2h2) LCA 6h3) Footprint 4h4) Environmental statement and claims based on LCA results 4h
Learning goals	<p>Learn how to apply the life cycle thinking in the design of new products. Learn how to read an eco-profile</p> <p>Learn principles and tools to avoid green - washing</p>
Teaching methods	<p>The course includes lectures with theoretical presentation, insights and case studies. The learning methods consist in the personal study and reworking of the teacher's slides and any other supplementary didactic material delivered by the teacher during the course of the lessons.</p>
Course on transversal, interdisciplinary, transdisciplinary skills	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Available for PhD students from other courses	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No



Prerequisites (not mandatory)	none
Examination methods (in applicable)	Project work
Suggested readings	Slides, papers, case studies to be delivered during the course
Additional information	none