

## Circular Economy

The Circular Economy is a model of production and consumption, which involves sharing, leasing, reusing, repairing, refurbishing and recycling existing materials and products for as long as possible thereby extending the life-cycle of products. In practice, it implies reducing waste to a minimum. When a product reaches the end of its life, its materials are kept within the economy wherever possible thanks to recycling. These can be productively used again and again, creating further value. This is a departure from the traditional, linear economic model, which is based on a take-make-consume-throw away pattern. This model relies on large quantities of cheap, easily accessible materials and energy. Planned obsolescence, when a product has been designed to have a limited lifespan to encourage consumers to buy it again, is also part of this model.

<b>Period:</b>	Period 4
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<b>Educational management portal:</b>	moodle.unitus.it
<b>Objectives:</b>	The specific contribution of this course to the endpoints and qualifications of the specialisation programme is: - Understand the basic concept of a circular economy, its opportunities and limitations - Describe a set of tools to measure the impacts of a circular economy - Apply the tools and critically reflect upon the results
<b>Programme:</b>	The course is an elective course for the students within the specialisation programme. The course will provide students with the knowledge and tools to critically evaluate Circular Economy and its relation with the energy transition.
<b>Pre-requisites:</b>	The course requires basic knowledge in: i) mass balances, ii) economic analysis, iii) social systems.
<b>Study material:</b>	<ul style="list-style-type: none"> <li>● Lecture slides;</li> <li>● Reading material;</li> </ul>

	Additional literature handed out during the course / made available via Moodle.
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