

SYLLABUS

Name of the course:	Green Economy and Innovation (module of the Course Innovation and Sustainability)			
Teacher:	Elena Vallino			
University / organisation:	University of Torino			
Language of teaching:	English			
ECTS:	36			
Semester (S1, S2, S3 or S4):	<input type="checkbox"/> S1	<input checked="" type="checkbox"/> S2	<input type="checkbox"/> S3	<input type="checkbox"/> S4
Teaching method(s):	<input checked="" type="checkbox"/> Lecture courses		<input type="checkbox"/> Flipped classroom	
	Other: _____			
Type(s) of evaluation:	<input checked="" type="checkbox"/> Sitting exam		<input checked="" type="checkbox"/> Written report	
	<input type="checkbox"/> Oral defence		<input checked="" type="checkbox"/> Group project	
	Other / comments: _____			
Expected deadline(s) for the evaluation(s)	July			
Expected date of final results:	July			
Summary of the content:	The course aims at exploring in a critical way the relation of innovation to environment, growth and development.			
Indicative list of lectures:	<ul style="list-style-type: none"> -Green growth; de-growth; decoupling -Eco-innovation -Carbon Inequality -Innovation and wealth -ICT sector and the environment -Bottom up green innovation - SME in the Global South -Carbon Capture and Storage -Green innovations and the automotive sector -Green Jobs -EU green policies -Water 			
Short bibliography:	-Chancel, L., Piketty, T., Saez, E., Zucman, G. et al. World Inequality Report 2022, World Inequality Lab. Chapter 6: Global Carbon Inequality. https://wir2022.wid.world/chapter-6/			

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- Eaton, D. (2013). "Technology and innovation for a green economy". *Review of European, Comparative & International Environmental Law*, 22(1), 62-67
- Bonilla et al. (2018) "Industry 4.0 and Sustainability Implications: A Scenario-Based Analysis of the Impacts and Challenges" *Sustainability* 10(10).
- Creech, H., Paas, L., Gabriel, G. H., Voora, V., Hybsier, C., & Marquard, H. (2014). "Small-scale social-environmental enterprises in the green economy: supporting grassroots innovation". *Development in Practice*, 24(3), 366-378.
- Rivas, S., Urraca, R., Bertoldi, P., & Thiel, C. (2021). "Towards the EU Green Deal: Local key factors to achieve ambitious 2030 climate targets". *Journal of Cleaner Production*, 320.
- IRENA (2024), *Renewable Energy and Jobs Annual Review*.
- The World Bank and ITU (2024), *Measuring the Emissions & Energy Footprint of the ICT Sector*.