



DOTTORATO INDUSTRIALE in CIRCULAR ECONOMY

(in convenzione con Lean Experience Factory scarl., Venture Factory srl, University of Rijeka; Faculty of Economics e Carinthia University of Applied Sciences - non-profit limited liability company)

INDUSTRIAL PhD in CIRCULAR ECONOMY

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IN BREVE		IN A NUTSHELL	
Tematiche di ricerca	CURRICULUM: Economics & Circular Economy	Lines of research	CURRICULUM: Economics & Circular Economy
	1 Circular Economy		1 Circular Economy
	2 Resource and Environmental Economics		2 Resource and Environmental Economics
	3 Inter and Intra-Generational Conflicts and Resource Use		3 Inter and Intra-Generational Conflicts and Resource Use
	4 Economic Evaluation of Externalities and Environmental Damage		4 Economic Evaluation of Externalities and Environmental Damage
	5 Willingness to Pay		5 Willingness to Pay
	6 Energy Economics, with Special Reference to Renewable Energy Sources		6 Energy Economics, with Special Reference to Renewable Energy Sources
	7 Sustainable Mobility, Decarbonizing Transport		7 Sustainable Mobility, Decarbonizing Transport
	8 Impact of Green Deal on the Industrial System		8 Impact of Green Deal on the Industrial System

9 Effectiveness of Fiscal Policies (Optimal Thresholds for Public Debt and Spending) in Presence of Non-Renewable Resources

10 Sustainable Agri-Food System and Food Waste

CURRICULUM: Circular Business Models

1 Sustainable Strategies

2 Innovability

3 Circular Business Model

4 Supply Chain Sustainability

5 Environmental, Social, Governance Scores (ESG)

6 Non-Financial Disclosure

7 GRI Standards

8 Mindful and Sustainable Consumption

9 Integrated Reporting

10 Green Advertising

CURRICULUM: Statistical and Quantitative Methods for Sustainability and Risk Assessment

1 Fair Pricing of Life and Non-Life Insurance Contracts

2 Mortality Modelling

9 Effectiveness of Fiscal Policies (Optimal Thresholds for Public Debt and Spending) in Presence of Non-Renewable Resources

10 Sustainable Agri-Food System and Food Waste

CURRICULUM: Circular Business Models

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CURRICULUM: Statistical and Quantitative methods for Sustainability and Risk Assessment

1 Fair Pricing of Life and Non-Life Insurance Contracts

2 Mortality Modelling

	3	Catastrophe, Climate and Environmental Risk Modelling		3	Catastrophe, Climate and Environmental Risk Modelling
	4	Insurance De-Risking		4	Insurance De-Risking
	5	Responsible Investing and ESG Portfolios		5	Responsible Investing and ESG Portfolios
	6	Statistical Models for the Analysis of Climate and Weather Events		6	Statistical Models for the Analysis of Climate and Weather Events
	7	Multivariate Dependence Modelling of Extremes in Environmental Applications		7	Multivariate Dependence Modelling of Extremes in Environmental Applications
	8	Supervised and Unsupervised Statistical Learning Techniques for Environmental Risk Assessment and Management		8	Supervised and Unsupervised Statistical Learning Techniques for Environmental Risk Assessment and Management
	9	Statistical Methods for Investigating Sustainable Energy Systems		9	Statistical Methods for Investigating Sustainable Energy Systems
	10	Sustainability Indicators		10	Sustainability Indicators
Sede amministrativa	Università degli Studi di Trieste		Managing university	University of Trieste	
Dipartimento sede gestionale	Dipartimento di Scienze Economiche, Aziendali, Matematiche e Statistiche "Bruno de Finetti"		Organizing Department	Department of Economic, Business, Mathematical and Statistical Sciences "Bruno de Finetti"	
Durata	3 anni (36 mesi)		Duration	3 years (36 months)	
Lingua ufficiale	Inglese		Official language	English	
Dati identificativi	Area, Macrosettore, Settore Scientifico Disciplinare (SSD), European Research Council: link		Identification data	Subject Areas, Macro Research Fields, Scientific Disciplinary Sectors, European Research Council: link	

CHI SIAMO		ABOUT US	
Coordinatore	Prof. Guido Bortoluzzi	Coordinator	Prof. Guido Bortoluzzi
Vice-coordinatore	Prof. Pietro Millosovich	Deputy Coordinator	Prof. Pietro Millosovich

Collegio dei docenti	PhD Academic Board
Website	Website
Offerta formativa	Courses and seminars
Email: phd.circulareconomy@units.it	Email: phd.circulareconomy@units.it

DESCRIZIONE DEL CORSO	COURSE DESCRIPTION
<p>Il corso di dottorato in Circular Economy UniTS (CE.TS) è un dottorato di durata triennale, interamente organizzato in lingua inglese. Esso mira a creare degli esperti che contribuiscano all'avanzamento dei saperi scientifici in vari settori ed aree disciplinari attraverso il corretto utilizzo di metodologie e metodi della ricerca economico-sociale. Settori ed aree disciplinari unite da un denominatore comune: quello del paradigma della Circular Economy.</p> <p>Il dottorato è organizzato in tre curricula: un curriculum economico (Economics & Circular Economy), un curriculum aziendale (Circular Business Models) ed un curriculum statistico-attuariale (Statistical and Quantitative Methods for Sustainability and Risk Assessment).</p> <p>Il dottorato CE.TS nasce con una struttura formativa particolarmente innovativa ed una forte apertura agli stakeholder territoriali di riferimento (aziende, enti pubblici ed associativi, centri di ricerca) dai quali intende essere supportato attraverso il conferimento di borse di dottorato (anche di natura industriale) e con i quali instaurare delle relazioni di lungo termine mutuamente soddisfacenti. Il dottorato CE.TS si propone come un dottorato aperto ed internazionale: nella lingua, nel collegio, nel corpo docente e nei partecipanti.</p>	<p>The PhD course in Circular Economy UniTS (CE.TS) is three-year doctorate, entirely organized in English. It aims to create experts who contribute to the advancement of scientific knowledge in various sectors and disciplinary areas through the correct use of methodologies and methods of economic and social research. The sectors and disciplinary areas are joint by a common denominator: the Circular Economy paradigm.</p> <p>The doctorate is organized in three curricula: an economics curriculum (Economics & Circular Economy), a managerial curriculum (Circular Business Models) and a statistical-actuarial curriculum (Statistical and Quantitative Methods for Sustainability and Risk Assessment).</p> <p>The CE.TS PhD program is endowed with a particularly innovative training structure and a strong openness to the territorial stakeholders (companies, public bodies and associations, research centers) from which it intends to be supported through doctoral scholarships (including industrial scholarships) and with whom it intends to establish long-lasting relationships of mutual satisfaction. While relying on this "local" network, the CE.TS PhD course is also an open and international doctorate: for the language used, for the board of lecturers and for the participants.</p>

OBIETTIVI DEL CORSO	COURSE OBJECTIVES
<p>Il corso di dottorato in Circular Economy UniTS (CE.TS) prevede una prima parte di formazione epistemologica e metodologica comune ai tre curricula che ha l'obiettivo di fornire solide basi metodologiche agli studenti oltre che ad istruirli al corretto disegno di una ricerca scientifica.</p> <p>Il percorso degli studenti si differenzia quindi nei percorsi di specializzazione sopra descritti (curriculum). All'interno di ciascun curriculum, gli studenti dovranno dapprima confrontarsi con dei corsi caratterizzanti dal contenuto fortemente teorico che hanno l'obiettivo di consolidare le loro conoscenze relativamente alle teorie, ai modelli e ai paradigmi fondanti delle rispettive discipline. Una volta completata la formativa "orizzontale", ciascuno studente potrà perfezionare il suo percorso formativo in maniera "verticale" e modulare</p>	<p>The PhD is organized as follows: in the first part that is common to the three curricula students receive epistemological and methodological education with the aim to develop solid methodological and research design foundations.</p> <p>Students then start following different paths according to the curriculum they belong to. Within each curriculum, students first receive education about the theoretical groundings of each disciplinary area with the aim to consolidate their knowledge about the theories, the models and the main paradigms that are proper of their disciplines. Once such "horizontal" training has been completed, each student will be able to complete his/her training in a "vertical" and modular way by adding additional courses around his/her specific research areas and research topics.</p>

attorno alle specifiche aree e tematiche di ricerca di proprio interesse.

SBOCCHI OCCUPAZIONALI E PROFESSIONALI PREVISTI

Il corso di dottorato in Circular Economy (CE.TS) si pone l'obiettivo di formare degli esperti che possano contribuire allo sviluppo del dibattito scientifico, ma anche allo sviluppo delle politiche pubbliche e delle strategie aziendali relative al paradigma dell'economia circolare.

In particolare, gli studenti maggiormente orientati ad una carriera accademica troveranno nel dottorato in Circular Economy uno strumento idoneo ad accelerare la loro carriera accademica anche in un contesto internazionale e che consentirà loro di potersi poi inserire nell'organico di università di elevato standing a livello internazionale.

Gli studenti maggiormente orientati alla carriera aziendale (inclusi i dipendenti di aziende inseriti in un percorso di dottorato industriale) troveranno nel dottorato in Circular Economy uno strumento utile a fornire loro delle solide basi metodologiche e teoriche necessarie a prendere decisioni strategiche o relative a politiche di supporto che siano scientificamente fondate.

JOB PLACEMENT OPPORTUNITIES

The PhD course in Circular Economy (CE.TS) aims to train experts who can contribute to the development of the scientific debate, but also to the development of public policies and corporate strategies related to the circular economy paradigm.

In particular, students more oriented towards an academic career will find in the Circular Economy doctorate a suitable tool for accelerating their academic career even in an international context and which will allow them to then be able to join the staff of universities of high standing at an international level.

Students more oriented towards a corporate career (including employees of companies included in an industrial doctorate) will find in the Circular Economy doctorate a useful tool to provide them with the solid methodological and theoretical foundations necessary to make strategic decisions or those related to support policies that are scientifically based.