Co-funded by the
Erasmus+ Programme
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TICHE ACADEMY

Training Offer

ABSTRACT

TICHE - Training Innovation for Circularity and Holistic economies - is an Erasmus project aims at establishing a **European VET Academy on Circular Economy**, based on a transnational cooperation of a very experienced and complementary partnership, (including associated partners), joining Research centers, Vet centres, University, SMEs, clusters, Umbrella organizations and international networks, public administrations, that will work together as an ecosystem to increase capacity building and responsiveness of the VET systems, according to an “European Education Area”.

LEARN MORE ABOUT THE PROJECT

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Università degli Studi di Ferrara

TICHE Academy training offer's detailed description

General Description of the training initiative

Training initiative (title) *(ex. Expert in an eco-design for circular economy in the textile and fashion industries)*	Master's Degree in Green Economy and Sustainability
EQF Level (if applicable)	7
Proficiency level *(foundation/basic, intermediate, advanced, high specialized level)*	High specialized level
Expected learning outcomes *(By the end of this course, the learners will acquire …….)*	The course provides students with interdisciplinary abilities in order to enable them to address issues related to green economy and sustainable development. The main topics of green economy and sustainability are eco-innovation, green economy and sustainable development. Challenging eco-policy issues - from both national and international perspectives - are studied as well.
Methodologies	The course offers dedicated teaching in the advanced core areas of environmental economics, environmental law, econometrics and research methods, with the opportunity to choose from a portfolio of optional courses. The course is based on active teaching methodologies aimed at maximizing students' participation. In addition to theoretical sessions, all participants will be involved in the discussion of case studies and development of project works.
Mode of Learning *(Blended, online, onsite)*	Onsite
Assessment *(ex. test)*	Test, project works, research project, dissertation
Certification and recognition	Master's degree
Targets	Graduated students
Delivery Language/s	English

Modules of the training initiative

Module N.	Title of the Module/s	Learning/training hours (total)
MODULE 1/YEAR 1	Master's Degree in Green Economy and Sustainability -1st YEAR	
MODULE 2/ YEAR 2	Master's Degree in Green Economy and Sustainability -2nd YEAR	

Module's detailed description

MODULE 1	
Tile of the module: Master's Degree in Green Economy and Sustainability -1st YEAR	
Main objectives of the module	
Students will be able to analyze the effects of economic and social activities on the environment and sustainability in highly integrated contexts at the international level. They will have skills to evaluate the economic effects of technological innovation processes capable of exploiting the opportunities for new growth paradigms and sustainable business management with the aid of statistical and econometric methodologies.	
Contents/subjects of the module	
Compulsory courses	**ECTS**
Strategic control and performance management (1st SEM)	9
Governance and accounting of SMEs (1st SEM)	9
Quantitative methods for economics and business (1st SEM)	8
Econometric methods and models (2nd SEM)	7
Theory of the firm and of the markets (2nd SEM)	9
Industrial policy and sustainability (2nd SEM)	9
Organizational behavior and human resource management (2nd SEM)	8
Learning Outcomes **The Learner will** *(ex. Have a clear understanding of the concept of CE, its historic development, its definitions, its principles. Know key examples of CE in practice.)*	**Assessment criteria:** **The learner can** *(ex. Define the concept of CE and provide relevant examples. Identify relevant supporting concepts related to CE.)*
Understanding the meaning, characteristics and significance and role of SMEs in the economy Understand what does it mean becoming an entrepreneur and the consequences of firm life-cycle Understand the role of ethics and social responsibility in doing business Understand the role of accounting and management accounting in SMEs Understanding of human behavior in organizational contexts, with a specific focus on managerial decision making and some elements of human resource management. knowledge about the process of strategic management (i.e. strategic planning, strategy	design strategic control systems and apply performance measurement framework in firms' real life, no matter what the business model is. Make a strategic analysis and pitch opportunities in the market and prepare a feasibility analysis Analyze the ethical implications of decision making Write, evaluate and present a business plan Make an analysis of the international entry strategy available for SMEs Analyze competitive challenges and structural changes which firms are facing today, in order to be able to develop a "vision of the world" which is essential for managers to define appropriate strategies and for economists to take part in the policy debate

implementation and strategic control) and performance measurement. knowledge and the instruments to understand industrial dynamics and their policy implications, with particular emphasis on issues related to sustainability and small and medium-sized enterprises.	critically analyze the way organizational practices influence the choices and the behaviour of manager and employees in the workplace.

Achievements

Module: Master's Degree in Green Economy and Sustainability -1st YEAR		
Knowledge *(Means the body of facts, principles, theories and practices that is related to afield of work or study. It is described astheoretical and/or factual knowledge)*	***Skills*** *(Means the ability to apply knowledge and use know-how to complete tasks and solve problems. They are described as cognitive (logical, intuitive, and creative thinking) or practical (involving manual dexterity and the use of methods, materials, tools and instruments)*	***Competencies*** *(Means the proven ability to use knowledge, skills and personal, social and methodological abilities in work or study situations and in professional and personal development. It is described in terms of responsibility and autonomy)*
At the end of this unit the participant ***will know:***	*At the end of this unit the participant* ***will be able to:***	*At the end of this unit, the participant* ***will have acquired the responsibility and autonomy to:***
role of SMEs in the economy role of ethics and social responsibility process of strategic management industrial dynamics and their policy implications	accounting and management accounting human resource management strategic planning, strategy implementation and strategic control	design strategic control systems prepare a feasibility analysis Write, evaluate and present a business plan

MODULE 2	
Tile of the module: Master's Degree in Green Economy and Sustainability -2nd YEAR	
Main objectives of the module	
Students will be able to describe and correlate the fundamental aspects of business management in international contexts, both in its strategic, financial and commercial management profiles and in the aspects related to sustainability reflecting on market opportunities linked to global challenges and the circular economy.	
Contents/subjects of the module	
Compulsory courses	**ECTS**
Environmental and intellectual property law (1st SEM)	8
Eco-Innovations, firm's perfomance and industrial dynamics (1st SEM)	7
Environmental economics and the green economy (1st SEM)	7

Evaluation of public policies (2nd SEM)	7
Elective courses (1st SEM)	**ECTS**
You have to choose one of the following courses: • Internship(4 ECTS) • Chinese language (4 ECTS) • French language (4 ECTS) • German language (4 ECTS) • Spanish language (4 ECTS)	4
You have to choose 14 ECTS among of the following suggested courses: • Policies for sustainability and local development (7 ECTS) (1st SEM) • Development economics and emerging markets (7 ECTS) (1st SEM) • Economics of innovations (7 ECTS) (1st SEM) • Econometric techniques for policy evaluation (7 ECTS) (2nd SEM) • Financial public economics (7 ECTS) (2nd SEM) • Project work (7 ECTS) (2nd SEM)	14
Master Thesis (Research Project and Dissertation) (2nd SEM)	14

Learning Outcomes **The Learner will** *(ex. Have a clear understanding of the concept of CE, its historic development, its definitions, its principles. Know key examples of CE inpractice.)*	**Assessment criteria:** **The learner can** *(ex. Define the concept of CE and provide relevant examples. Identify relevant supporting concepts related to CE.)*
distinguish the different forms of protection of intangible assets critical awareness of the competitive limitations that the protection of industrial and intellectual property necessarily brings data management concept of Eco Innovation, its determinants and effect on the economic system. Environmental regulation understanding of the key links between economics and environmental issues understanding of the role of environmental policies understand how SMEs make important investment and financing decisions, and how they establish cash flow working capital policies.	protection of intangible assets analyse innovation from existing databases (Patent module) analyse major environmental issues from an economic perspective analyse and understand cash flow dynamics and management; make some important financial decisions as for investment project valuation and selection and financial policies

Achievements

Module: Master's Degree in Green Economy and Sustainability -2nd YEAR		
Knowledge *(Means the body of facts, principles, theories*	***Skills*** *(Means the ability to apply knowledge and use*	***Competencies*** *(Means the proven ability to use knowledge,*

and practices that is related to afield of work or study. It is described as theoretical and/or factual knowledge)	*know-how to complete tasks and solve problems. They are described as cognitive (logical, intuitive, and creative thinking) or practical (involving manual dexterity and the use of methods, materials, tools and instruments)*	*skills and personal, social and methodological abilities in work or study situations and in professional and personal development. It is described in terms of responsibility and autonomy)*
At the end of this unit the participant ***will know:***	*At the end of this unit the participant* ***will be able to:***	*At the end of this unit, the participant* ***will have acquired the responsibility and autonomy to:***
Porter Hypothesis innovation theory industrial and intellectual property environmental economics and policy theory	protection of intangible assets Analyse of environmental regulations and measure methods (e.g. OECD environmental indicators stringency)	financial accounting analyse innovation investment project valuation policy valuation