

# CREATIVE THINKING AND ENTREPRENEURSHIP FOR SECONDARY SCHOOL STUDENTS "CURRICULUM DEVELOPMENT"

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# Curriculum Development: Creative Thinking and Entrepreneurship for Secondary School Students E-Book

## BEYOND THE LIMITS: DEVELOPING ENTREPRENEURSHIP VIA CREATIVITY IN SCHOOLS

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## Curriculum Development: Creative Thinking and Entrepreneurship for Secondary School Students

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#### **FOREWORDS**

The EU "Developing Entrepreneurship via Creativity in Schools (www.beyondthelimitsproject.sakarya.edu.tr)" project was initiated in 2019 and approved by the European Union to commence in 2020. The main objective is to develop entrepreneurial skills through creativity in education. The project started to implement with the grant support of the European Union in 2020, is a successful project carried out by a partnership of eight universities and institutes from seven countries across the UK, Spain, Portugal, Italy, Latvia and Romania under the coordination of Sakarya University from Türkiye within the scope of the Main Action (KA203) Strategic Partnerships Program in the 2020-2023 period within the scope of Erasmus plus.

During the project, we assessed the entrepreneurship and creativity levels of students, and aimed to develop university students' and teachers' creativity and entrepreneurial competences via education programs. The project aimed to encourage schools to place greater importance on entrepreneurship education and on organizing entrepreneurship activities to motivate young people to develop their potential, with competence development planned according to the specific needs of the age groups of students. It aimed to develop understanding and connectivity of the relationships between creativity and entrepreneurship, in education and in practice. In line with the main objective of this Project, student trainings, teacher training, dissemination activities in the form of international congresses, high school and university level curriculum development, as well as the needs analysis research, which is the main activity, have been carried out in partner countries and supported by global data, this report book explaining the situation of Entrepreneurship in Education in Europe and the World will be prepared and made available to researchers and educators all over the world in open access.

Through the dissemination of the project outputs, we hope that our project will be a "good practice example" for Türkiye and the EU. One of the key outputs of the EU Beyond the Limits project was curriculum development at high school and university level. The curriculum template employed for the project was provided by CSCS as an element developed by the Skillman Secretariat in collaboration with the EU ECVET Secretariat, adhering to the EQF principles and the ECVET standards. The intellectual property of CSCS under Open Common licenses, is provided for the benefit of the project. Leading the preparation of this intellectual output is the team of the Italian University of Padova and CSCS. The study of these teams was constantly supported by members of other teams with new ideas, resulting in the development of 2 detailed 14-week curricula at high school level, producing important intellectual outputs for high schools. I would like to thank all the project researchers, especially the leading Italian teams, who contributed to the production of these outputs. Moreover, I would like to thank the rectorates of the universities of all partners to support us during this project.

Prof.Dr. Osman TİTREK

EU Beyond the Limits Project Coordinator



#### Contents

Intro	oduction	6
The	ECVET	7
Curi	riculum: Creative thinking and entrepreneurship for secondary school students	8
1.	The creative thinking	12
2.	The creative thinking and entrepreneurship	15
3.	Creativity and innovation	18
4.	Sustainability and creativity	21
5.	Creative strategies in entrepreneurship	24
6.	From idea to a business: the feasibility	27
7.	From a business idea to a business project.	30
8.	From a business idea to the business project: Team work and leadership	33
9.	Business opportunities and young entrepreneurs	36
10.	The company in action: dealing with costs	39
11.	The company in action: dealing with market	42
12.	The network around the entrepreneur	45
13.	Successful stories of entrepreneurship	48
14.	Be an entrepreneur	51
Con	nclusion	54



#### Introduction

The following curriculum entitled "Creativity Thinking and Entrepreneurship for high school students" is elaborated by the Padova University team and it is part of results of the project BEYOND THE LIMITS: DEVELOPING ENTREPRENEURSHIP VIA CREATIVITY IN SCHOOLS. The curriculum template employed for the project was provided by CSCS as an element developed by the Skillman Secretariat in collaboration with the EU ECVET Secretariat, adhering to the EQF principles and the ECVET standards. The intellectual property of CSCS under Open Common licenses, is provided for the benefit of the project. The curriculum is aimed to teach in training, degree, seminars at university level. There are 14 modules for a total of 14 weeks, 6 credit for 112 hours are implemented. The titles of modules are reported in the order we proposed to students:

- 1. Creativity and creative thinking
- 2. Creativity and entrepreneurship
- 3. Creativity and innovation
- 4. Sustainable creativity
- 5. Creative teaching methods
- 6. Management of enterprise: the feasibility
- 7. Management of enterprise: the business project
- 8. Entrepreneurship and leadership
- 9. Business opportunities and entrepreneurs
- 10. Financial management of Entrepreneurship
- 11. Entrepreneurship and market
- 12. Entrepreneurship network
- 13. Effective entrepreneur
- 14. Successful and failures examples of entrepreneurship

The activity of curriculum development was carried out by the University of Padua and all the partners were responsible for providing suggestions of each module.

The aim of the curriculum is to improve the skill of students at university level to teach how to generate new and better ideas, and to create new real and valuable products, services, business models and teaching methods.

In the following paragraph the description of the model of European instruments is reported and, in the tables, the course information and development for each module were presented.



#### The ECVET

The European Credit System for Vocational Education and Training (ECVET) is a European instrument to support lifelong learning, the mobility of European learners and the flexibility of learning pathways to achieve qualifications.

The European Credit System for Vocational Education and Training ('ECVET') is intended to facilitate the transfer, recognition, and accumulation of assessed learning outcomes of individuals who are aiming to achieve a qualification. This will improve the general understanding of citizens' learning outcomes and their transparency, transnational mobility, and portability across and, where appropriate, within Member States in borderless lifelong learning area, and will improve the mobility and portability of qualifications at the national level between various sectors of the economy and within the labor market.

Following its adoption by the European Parliament and by the Council (18 June 2009), ECVET is now in a phase of progressive implementation. ECVET concepts and principles will be tested and introduced to ensure that conditions for the gradual application of ECVET to VET qualifications are in place across Europe by 2012. It is based on the Recommendation of the European Parliament and of the Council (in particular its annexes). It enables the stakeholders concerned to become familiar with ECVET. The ECVET Recommendation asks the European Commission to develop users' guides and tools on ECVET.

The ECVET is a tool that can assist lifelong learning by improving transfer, recognition, and accumulation of what has been learnt in the past. It can ease the development of individualized lifelong learning paths which enable people to gain knowledge, skills, and competence and ultimately also a qualification progressively and building on what they learnt previously. As presented in the ECVET Recommendation, ECVET combines several technical components and processes into a methodological framework that forms the ECVET technical specifications. The core element of ECVET technical specifications is the use of learning outcomes. Learning outcomes describe what a person knows and is able to do and therefore they are neutral to how, in which context and over what duration individuals' have developed their knowledge, skills and competence. They make it possible to recognize learning in view of achieving a qualification independent of where the learning took place and over what duration. Another core aspect of ECVET technical specifications is the use of units of learning outcomes (units). The use of units creates the possibility to recognize learning outcomes that correspond to a part of a qualification and to achieve the remaining learning outcomes through further learning.

The assessment, validation and recognition of units enable credit transfer and accumulation. This may help competent institutions to develop approaches whereby learners can build on the knowledge, skills, and competence they have achieved in the past, be it in formal education and training, non-formal learning, through working, leisure activities or any other learning.



### **Curriculum: Creative Thinking and Entrepreneurship for Secondary School Students**

Module Number and title	<ol> <li>The creative thinking</li> <li>The creative thinking and entrepreneurship</li> <li>Creativity and innovation</li> <li>Sustainability and creativity</li> <li>Creative strategies in entrepreneurship</li> <li>From idea to a business: The feasibility</li> <li>From a business idea to a business project</li> <li>From a business idea to a business project: Teamwork and leadership</li> <li>Business opportunities and young entrepreneurs</li> <li>The company in action: Dealing with costs</li> <li>The company in action: dealing with market</li> <li>The network around the entrepreneur</li> <li>Successful stories of entrepreneurship</li> <li>Be an entrepreneur</li> </ol>	
Unit of learning outcome Number and title	<ol> <li>The creative thinking</li> <li>Identify new methods for developing creativity.</li> <li>Categorize apply different approaches, tools and techniques related to creativity.</li> <li>Unlock personal, creative potential.</li> <li>The creative thinking and entrepreneurship</li> <li>Recognize business opportunities.</li> <li>implement positive solutions to organizational issues.</li> <li>Evaluate resources and skills for business.</li> <li>Creativity and innovation</li> <li>Identify the role of innovation in new business opportunities.</li> <li>Apply creative methods for enhancing innovation.</li> <li>Promote creativity and innovation in all activities.</li> <li>Explain and critique the relationship between creativity, innovation and entrepreneurship.</li> <li>Sustainability and creativity</li> <li>Recognize the Sustainable principles and the motivation of insert it in new business.</li> <li>Apply sustainable tools and skills for entrepreneurship.</li> <li>Promote sustainable thinking.</li> <li>Creative strategies in entrepreneurship</li> <li>Apply new creative entrepreneurial methods.</li> </ol>	



- Recognize and implement self-organization and cooperative capacity.
- Collaborate in a multidisciplinary co-working.
- Articulate an interactive, flexible, and dynamic teamwork.
- 6. From idea to a business: The feasibility
  - Explain the concept of project.
  - Explain the purpose of feasibility study.
  - List the stages of feasibility study.
  - Prepare a draft feasibility report.
- 7. From a business idea to a business project
  - Identify a business idea and transforming it into a viable investment opportunity.
  - Develop and follow the critical phase in the entrepreneurship process.
  - Recognize the theoretical knowledge but also the practical insights that can be readily applied in real-world scenarios.
- 8. From a business idea to the business project: Teamwork and leadership
  - Promote cooperative values and behaviors that contribute to group consolidation.
  - Reflect on the complementarity of the team building skills needed in the working and/or professional environment.
  - Recognize the theoretical knowledge but also the practical insights that can be readily applied in social real-world scenarios.
- 9. Business opportunities and young entrepreneurs
  - Identify the institutions and organizations that support entrepreneurs.
  - Explain the legal responsibilities of entrepreneurs.
  - Explain the social responsibilities of entrepreneurs.
- 10. The company in action: Dealing with costs.
  - Recognize Financing opportunities.
  - Estimate the costs of a business.
  - Identify the financial risks.
- 11. The company in action: dealing with market
  - Communicate one's business idea clearly and effectively in public.
  - Analyze the market opportunities.
- 12. The network around the entrepreneur
  - Explain the social factors that are effective in the emergence of entrepreneurs.
  - Provide a suitable environment for the development of entrepreneurship.



	<ul> <li>List the social dimensions of entrepreneurship.</li> <li>13. Successful stories of entrepreneurship</li> <li>Explain the critical success factors of successful entrepreneurs.</li> <li>Explain the commonalities based on the life stories of entrepreneur who failed in business.</li> <li>Compare critically the success and failures factors of different entrepreneurs and venture.</li> <li>14. Be an entrepreneur</li> <li>Understand the factors that are effective in the emergence of entrepreneurs.</li> <li>Explain the aims of entrepreneurship education.</li> <li>Explain the discussion of entrepreneurship education.</li> </ul>	
Duration Hours and Credits	112 hours/ 6 Credits 14 weeks	Lesson's hours: 42 Exercise's hours: 63 Assessment hours: 7
Access criteria (If applicable)	Students at secondary level of school	
	The entire course is assessed by a final exam which will focus on the theoretical and practical aspects explained during the course.  The module evaluations were taken in account as the participation in the class and class discussions.	
Final Exam Assessment criteria Description and timing	on the theoretical and practic course.  The module evaluations w	eal aspects explained during the ere taken in account as the
Assessment criteria	on the theoretical and practic course.  The module evaluations w participation in the class and class and class.	eal aspects explained during the ere taken in account as the lass discussions.
Assessment criteria	on the theoretical and practic course.  The module evaluations w participation in the class and class and class are classes.	eal aspects explained during the ere taken in account as the lass discussions.  Weight
Assessment criteria	on the theoretical and practic course.  The module evaluations w participation in the class and class and class.	eal aspects explained during the ere taken in account as the lass discussions.  Weight Individual 60%
Assessment criteria	on the theoretical and practic course.  The module evaluations w participation in the class and class and class.  Evaluation Final exam	eal aspects explained during the ere taken in account as the lass discussions.  Weight Individual 60% Group 30%
Assessment criteria	on the theoretical and practic course.  The module evaluations w participation in the class and class and class and class and class and class and class and class and class and class and class and class are class and class are class and class are class and class are class and class are class and class are class are class and class are	eal aspects explained during the ere taken in account as the lass discussions.  Weight Individual 60%



- Completeness and adequacy of the contents and concepts exposed.
- Argumentation of opinions: Presence of critical arguments, supported by personal reflection and re-elaboration, to identify the premises, one's own, others' or deriving from the context, for a new understanding of one's own learning and professional experiences.
- Consistency of the paper: the discussion produced must be cohesive and unitary, presenting a logical ordering of concepts and an organicity of thought.



Group of learning outcomes Number and title	<ol> <li>The creative thinking</li> <li>Identify new methods for developing creativity.</li> <li>Categorize apply different approaches, tools and techniques related to creativity.</li> <li>Unlock personal, creative potential.</li> </ol>			
2.Identify and choose the 3.Solve a problem with r	Competences  1. Know and compare new techniques for developing creativity.  2. Identify and choose the appropriate method and tool to use.  3. Solve a problem with new tools and methods.  4. Generating insights from need finding and reframing problems.			use.
<ul> <li>Knowledge</li> <li>1. Knowledge about developing creative and purposeful ideas and skills.</li> <li>2. Knowledge about creative processes</li> <li>3. Knowledge about encouragement of free creativity</li> </ul>		<ol> <li>Skills</li> <li>Skill to explore new solutions.</li> <li>Skill to choose specific techniques and tools.</li> <li>Skill of create methods that solve problems and needs.</li> <li>Skill to imagine.</li> <li>Skill to apply the creative process on the final product.</li> </ol>		
Duration Hours and Credits	4 hours  Lesson's hours: 1  Exercise's hours: 2.30  Assessment hours: 30 minutes			
Assessment methods (Click appropriate box/s)	<ul> <li>□ Written exercises and test</li> <li>□ Oral examination and exercises         <ul> <li>x Practical assignment under supervision</li> <li>□ Practical assignment autonomously and responsibly</li> <li>□ Other activities (please specify):</li> </ul> </li> </ul>			
Assessment criteria  Description and timing	The course is assessed by a presentation of the workshop of each module, which will focus on the theoretical and practical aspects explained during the course.  The use of self-assessment and self-reflection and evaluation were taken in account as the participation in the class.			
	Assignments  Self –assessment reflection Individual 5% and evaluation  Presentation of the workshop Group 50% Self-intragroup peer Group 15% assessment  Class discussion Group 20%			



	Participation in the class Individual 10%
	<ul> <li>The assessment criteria for the group workshop:</li> <li>Linguistic correctness of the text: adequate language, grammatically correct and well-articulated in its syntax.</li> <li>Relevance of the topics covered: presence of key concepts, transversal to the different moments of the teaching of the course)</li> <li>Completeness and adequacy of the contents and concepts exposed.</li> <li>Argumentation of opinions: presence of critical arguments, supported by personal reflection and re-elaboration, to identify the premises, one's own, others' or deriving from the context, for a new understanding of one's own learning and professional experiences.</li> <li>Consistency of the paper: the discussion produced must be cohesive and unitary, presenting a logical ordering of concepts and an organicity of thought.</li> </ul>
Qualifications framework Reference to EQF and NVQ	Target Level 4
Delivery methods	X Exercises x Lectures/lessons/presentations Job-shadowing Placement Project work Role-play x Video tutorials Other activities (please specify):
Resources	Readings: Kuratko, D. F. (2016). Entrepreneurship: Theory, process, and practice. Cengage learning. Additional Readings: Hokanson, B. (2017). Developing Creative Thinking Skills: An Introduction for Learners (1st ed.). Routledge. <a href="https://doi.org/10.4324/9781315674872">https://doi.org/10.4324/9781315674872</a>



	Website: <a href="http://www.beyondthelimitsproject.sakarya.edu.tr">http://www.beyondthelimitsproject.sakarya.edu.tr</a> Additional Videos and tutorials: <a href="http://www.beyondthelimitsproject.sakarya.edu.tr/course-movies.html">http://www.beyondthelimitsproject.sakarya.edu.tr/course-movies.html</a>
Activities	Workshop: Find the solution to your classroom problem with thinking strategies Think to your class and find a current problem you face, and then try to solve it applying the thinking strategies to reframe a problem.  Collaborative activity



Group of learning outcomes Number and title	<ul><li>Recogniz</li><li>implement</li></ul>	te business oppo nt positive solut	d entrepreneurship ortunities. ions to organizational issues. kills for business.
1.Apply knowledge of thin solutions.     2.Differentiate between ide 3.Evaluate resources and slands.	king process to ear	portunities.	develop creative and innovative
Knowledge  1.Knowledge and principles of critical and strategic thinking  2.Knowledge about appropriate techniques and procedures for assessment, communication, and teamwork  3.Knowing examples of creative team working in successful companies		Skills  1. Ability to think critically and strategically. 2. Ability to work in teams. 3. Identifies opportunities for continuous development and efficient use of informational sources and communication resources.	
<b>Duration</b> Hours and Credits	4 Hours		Lesson's hours: 1 Exercise's hours: 2.30 Assessment hours:30 minutes
Assessment methods (Click appropriate box/s)	<ul> <li>□ Written exercises and test</li> <li>□ Oral examination and exercises</li> <li>x Practical assignment under supervision</li> <li>□ Practical assignment autonomously and responsibly</li> <li>□ Other activities (please specify):</li> </ul>		
Assessment criteria  Description and timing	The course is assessed by a presentation of the workshop of each module, which will focus on the theoretical and practical aspects explained during the course.  The use of self-assessment and self-reflection and evaluation were taken in account as the participation in the class.		
	Assignments Self –assessment and evaluation Presentation of Self-intragroup assessment Class discussion Participation in	f the workshop peer on	Weight Individual 5%  Group 50% Group 15%  Group 20% Individual 10%



	<ul> <li>The assessment criteria for the group workshop:</li> <li>Linguistic correctness of the text: adequate language, grammatically correct and well-articulated in its syntax.</li> <li>Relevance of the topics covered: presence of key concepts, transversal to the different moments of the teaching of the course.</li> <li>Completeness and adequacy of the contents and concepts exposed.</li> <li>Argumentation of opinions: presence of critical arguments, supported by personal reflection and re-elaboration, to identify the premises, one's own, others' or deriving from the context, for a new understanding of one's own learning and professional experiences.</li> <li>Consistency of the paper: the discussion produced must be cohesive and unitary, presenting a logical ordering of concepts and an organicity of thought.</li> </ul>
Qualifications framework Reference to EQF and NVQ	Target Level 4
Delivery methods	X Exercises x Lectures/lessons/presentations  ☐ Job-shadowing ☐ Placement ☐ Project work ☐ Role-play x Video tutorials ☐ Other activities (please specify):
Resources	Readings: Kuratko, D. F. (2016). Entrepreneurship: Theory, process, and practice. Cengage learning. Additional Readings:  Technology Ventures: From Idea to Enterprise. Byers, Dorf, and Nelson. 4th Edition. McGraw Hill Education. Copyright 2015. ISBN 978-1259252754 (International Student Edition).  Websites: <a href="http://www.beyondthelimitsproject.sakarya.edu.tr">http://www.beyondthelimitsproject.sakarya.edu.tr</a>



	Videos and tutorials: <a href="http://www.beyondthelimitsproject.sakarya.edu.tr/course-movies.html">http://www.beyondthelimitsproject.sakarya.edu.tr/course-movies.html</a>
Activities	Workshop: A summary investor presentation and written feasibility analysis.  Imagine that you have to presents an investor presentation in
	which you will analyze your business idea, the market attractiveness, the strategy you chose, initial financial plans for the business. You will work in group.



Group of learning outcomes Number and title	<ul> <li>3.Creativity and innovation</li> <li>Identify the role of innovation in new business opportunities.</li> <li>Apply creative methods for enhancing innovation.</li> <li>Promote creativity and innovation in all activities.</li> <li>Explain and critique the relationship between creativity, innovation, and entrepreneurship.</li> </ul>		
Competences  1.Understand the difference between innovation and routine mindsets.  2.Compare new techniques for developing creativity.  3.Recognize the new techniques and insert it in innovative ideas.  4.Identify the creative appropriate method and tool to use for enhancing innovation.  Evaluate method and tools.			
Knowledge  1.Knowledge and principles of innovative management  2.Knowledge about being creative by using specialized software, online tools.  3.Knowledge about the new technologies  4.Use of specific marketing methods for developing winning projects  5.Acquiring knowledge through examples of existing inventions in furniture domain		Skills  1. Skill to explore new solutions. 2. Skill to choose specific techniques and tools. 3. Skill of create (alone or with others) methods that solve problems and needs. 4. Skill to apply the creative process on the final product. 5. Association of t knowledge with classical and digital techniques for creativity 6. Can describe different levels of innovation and their role in value-creating activities. 7. Ability to innovate.	
<b>Duration</b> Hours and Credits	8 Hours	/1 Credit	Lesson's hours: 3 Exercise's hours: 4.30 Assessment hours:30 minutes
Assessment methods (Click appropriate box/s)	<ul> <li>□ Written exercises and test</li> <li>□ Oral examination and exercises         <ul> <li>x Practical assignment under supervision</li> <li>□ Practical assignment autonomously and responsibly</li> <li>□ Other activities (please specify)</li> </ul> </li> </ul>		
Assessment criteria Description and timing	The course is assessed by a presentation of the workshop of each module, which will focus on the theoretical and practical aspects explained during the course.  The use of self-assessment and self-reflection and evaluation were taken in account as the participation in the class.		



	-		
	Assignments	Weight	
	Self –assessment reflection	Individual 5%	
	and evaluation		
	Presentation of the workshop	Group 65%	
	Self-intragroup peer	Group 15%	
	assessment		
	Class discussion	Group 20%	
	Participation in the class	Individual 10%	
	The assessment criteria for the	o graun warkshan:	
	•Linguistic correctness of grammatically correct and w	the text: adequate language, ell-articulated in its syntax.	
	_ ,	ered: presence of key concepts,	
	transversal to the different i	moments of the teaching of the	
	course)		
	• Completeness and adequacy of the contents and concepts exposed.		
	1	program of critical arguments	
	• Argumentation of opinions: presence of critical arguments,		
	supported by personal reflection and re-elaboration, to		
	identify the premises, one's own, others' or deriving from the		
	context, for a new understanding of one's own learning and		
	professional experiences.		
	Consistency of the paper: the discussion produced must		
	be cohesive and unitary, presenting a logical ordering of		
	concepts and an organicity of thought.		
	concepts and an organicity of	thought.	
Qualifications	Target Level 4		
framework	3.7		
Reference to EQF and			
~			
NVQ			
<b>Delivery methods</b>	X Exercises		
Denvery memous		entations	
	x Lectures/lessons/presentations		
	☐ Job-shadowing		
	□ Placement		
	☐ Project work		
	☐ Role-play		
	x Video tutorials		
	☐ Other activities (please	specify):	



Resources	Readings: Kuratko, D. F. (2016). Entrepreneurship: Theory, process, and practice. Cengage learning. Additional Readings: Hughes, D. J., Lee, A., Tian, A. W., Newman, A., & Legood, A. (2018). Leadership, creativity, and innovation: A critical review and practical recommendations. <i>The Leadership Quarterly</i> , 29(5), 549-569.  Websites: <a href="http://www.beyondthelimitsproject.sakarya.edu.tr">http://www.beyondthelimitsproject.sakarya.edu.tr</a> Videos and tutorials: <a href="http://www.beyondthelimitsproject.sakarya.edu.tr/course-movies.html">http://www.beyondthelimitsproject.sakarya.edu.tr/course-movies.html</a>
Activities	Workshop: Commercializing a new product. Choose a simple object of day life and find for it an attractive slogan and ads for commercialize it. You could choose any type of source and commercial canal to distribute it (tv spot, video on social media, panel ad so on) Collaborative learning



Group of learning outcomes Number and title	<ul> <li>4.Sustainability and creativity</li> <li>Recognize the Sustainable principles and the motivation of insert it in new business.</li> <li>Apply sustainable tools and skills for entrepreneurship.</li> <li>Promote sustainable thinking.</li> </ul>				
2.Compare old ventures wi 3.Evaluate the role of the sustainable society.	Competences  1.Understand sustainability as a multidimensional concept.  2.Compare old ventures with new sustainable ones.  3.Evaluate the role of the business companies and single individuals in creating a more sustainable society.  4.Apply reporting tools to address new sustainable solutions.				
<ol> <li>Knowledge</li> <li>Knowledge about stands</li> <li>SDGs</li> <li>Knowledge about downth sustainable mannethods.</li> <li>knowledge about mannethods about mannethods about mannethods.</li> </ol>	eveloping ideas terials and anaging the	implicathe env 2. Be able sustain produc 3. Develo	Skills think sustainably and relate to the implications of the value created to the environment. Be able to apply the fundamentals of sustainable management in design, production, and construction projects. Developing and management of sustainable businesses/companies		
<b>Duration</b> Hours and Credits	Exerc		on's hours: 1 cise's hours: 2.30 ssment hours:30 minutes		
Assessment methods (Click appropriate box/s)	<ul> <li>□ Written exercises and test</li> <li>□ Oral examination and exercises</li> <li>x Practical assignment under supervision</li> <li>□ Practical assignment autonomously and responsibly</li> <li>□ Other activities (please specify):</li> </ul>				
Assessment criteria Description and timing	The course is assessed by a presentation of the workshop of each module, which will focus on the theoretical and practical aspects explained during the course.  The use of self-assessment and self-reflection and evaluation were taken in account as the participation in the class.  Assignments Weight				
	Self –assessment reflection and evaluation  Presentation of the workshop Group 50%				



	Self-intragroup peer	Group 15%			
	assessment	2004			
	Class discussion	Group 20%			
	Participation in the class	Individual 10%			
	The assessment criteria for the group workshop:				
	• Linguistic correctness of the text: adequate language,				
	grammatically correct and well-articulated in its syntax.				
	• Relevance of the topics covered: presence of key concepts,				
	transversal to the different moments of the teaching of the course)				
	• Completeness and adequacy of the contents and concepts exposed.				
	• Argumentation of opinions:	presence of critical arguments,			
	supported by personal reflection	on and re-elaboration, to identify			
	the premises, one's own, other	rs' or deriving from the context,			
	for a new understanding of one's own learning and professional experiences.				
	•	e discussion produced must be			
	• Consistency of the paper: the discussion produced must be cohesive and unitary, presenting a logical ordering of concepts				
	and an organicity of thought.				
Qualifications	Target Level 4				
framework					
Reference to EQF and					
NVQ					
Delivery methods	X Exercises				
Denvery methods	x Lectures/lessons/prese	entations			
	☐ Job-shadowing	intations			
	☐ Placement				
	☐ Project work				
	□ Role-play				
	x Video tutorials				
	☐ Other activities (please specify):				
Resources	Readings:				
	<ul> <li>Kuratko, D. F. (2016). Entrepreneurship: Theory, process, and practice. Cengage learning.</li> <li>Additional Readings:</li> <li>Bocken, N., Ritala, P., Albareda, L., &amp; Verburg, R. (Eds.).</li> </ul>				
	(2019). Innovation for Sustainability: Business				
	Transformations Towards a Better World. Springer				
	Transformations Towards a Detter World. Springer				



	United Nations (2015). Transforming our world: the 2030 Agenda for Sustainable Development.https://www.un.org/en/development/desa/po pulation/migration/generalassembly/docs/globalcompact/ A_RES_70_1_E.pdf  Websites: http://www.beyondthelimitsproject.sakarya.edu.tr Videos and tutorials: http://www.beyondthelimitsproject.sakarya.edu.tr/course-movies.html
Activities	Workshop: The characteristics of the sustainable entrepreneur.  In group, create a list where the characteristics, the view, and competences that a sustainable entrepreneur should have, are reported.  Collaborative learning



Group of learning outcomes Number and title	<ul> <li>5.Creative strategies in entrepreneurship</li> <li>Apply new creative entrepreneurial methods.</li> <li>Recognize and implement self-organization and cooperative capacity.</li> <li>Collaborate in a multidisciplinary co-working.</li> <li>Articulate an interactive, flexible, and dynamic teamwork.</li> </ul>		
1.Recognize and implement a 3.Integrate management str. 4.Use technology to bring 5.Collaborate with others in	nt presentation ski variety of entreprategies into perso about business id	oreneurial metho onal style. eas.	ods.
1. Knowledge about r 2. Knowledge present 3. knowledge about te	management 2. Meeting presentation management atation methods 3. Collaboration		
<b>Duration</b> Hours and Credits	4 Hours		Lesson's hours: 1 Exercise's hours: 2.3 Assessment hours: 30 minutes
Assessment methods (Click appropriate box/s)	<ul> <li>□ Written exercises and test</li> <li>□ Oral examination and exercises</li> <li>x Practical assignment under supervision</li> <li>□ Practical assignment autonomously and responsibly</li> <li>□ Other activities (please specify):</li> </ul>		
Assessment criteria Description and timing	The course is assessed by a presentation of the workshop of each module, which will focus on the theoretical and practical aspects explained during the course.  The use of self-assessment and self-reflection and evaluation were taken in account as the participation in the class.		
	Assignments Self –assessme and evaluation Presentation of Self-intragroup assessment Class discussion	the workshop peer	Weight Individual 5% Group 50% Group 15% Group 20%



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Qualifications	<ul> <li>The assessment criteria for the group workshop:</li> <li>Linguistic correctness of the text: adequate language, grammatically correct and well-articulated in its syntax.</li> <li>Relevance of the topics covered: presence of key concepts, transversal to the different moments of the teaching of the course)</li> <li>Completeness and adequacy of the contents and concepts exposed.</li> <li>Argumentation of opinions: presence of critical arguments, supported by personal reflection and reelaboration, to identify the premises, one's own, others' or deriving from the context, for a new understanding of one's own learning and professional experiences.</li> <li>Consistency of the paper: the discussion produced must be cohesive and unitary, presenting a logical ordering of concepts and an organicity of thought.</li> </ul>	
	Tangot Bover	
framework		
Reference to EQF and		
NVQ		
Delivery methods	X Exercises	
	x Lectures/lessons/presentations	
	☐ Job-shadowing	
	☐ Placement	
	☐ Project work	
	☐ Role-play	
	x Video tutorials	
	☐ Other activities (please specify):	
Resources	Readings: Kuratko, D. F. (2016). Entrepreneurship: Theory, process, and	
	practice. Cengage learning.	
	Additional Readings:	
	Aguilar, D., & Pifarre Turmo, M. (2019). Promoting social creativity in science education with digital technology to overcome inequalities: A scoping review. <i>Frontiers in psychology</i> , 10, 1474.	



	Websites: <a href="http://www.beyondthelimitsproject.sakarya.edu.tr/need-analysis.html">http://www.beyondthelimitsproject.sakarya.edu.tr/need-analysis.html</a> Videos and tutorials: <a href="http://www.beyondthelimitsproject.sakarya.edu.tr/course-movies.html">http://www.beyondthelimitsproject.sakarya.edu.tr/course-movies.html</a>
Activities	Workshop: Creating an Online meeting presentation unit In small group develop an online meeting presentation unit reporting the chosen contents, goals, and tasks. Select activities and strategies



Group of learning outcomes Number and title	<ul> <li>6.From idea to a business: The feasibility</li> <li>Explain the concept of project.</li> <li>Explain the purpose of feasibility study.</li> <li>List the stages of feasibility study.</li> <li>Prepare a draft feasibility report.</li> </ul>		
1.Apply the stages of fe 2.Prepare a feasibility re	easibility study.	petences	
<ol> <li>Knowledge</li> <li>Knowledge about the considered when preparate</li> </ol>	concept of project purpose of the business plan.  2. Ability to explain the purpose of the business plan.  2. Ability to list the stages of feasibines to be		to explain the purpose of the ss plan.  to list the stages of feasibility
<b>Duration</b> Hours & Credits	Exerc		Lesson's hours: 3 Exercise's hours: 4.30 Assessment hours:30 minutes
Assessment methods (Click appropriate box/s)	<ul> <li>□ Written exercises and test</li> <li>x Oral examination and exercises</li> <li>x Practical assignment under supervision</li> <li>□ Practical assignment autonomously and responsibly</li> <li>□ Other activities (please specify):</li> </ul>		
Assessment criteria  Description and timing	The course is assessed by a presentation of the workshop of each module, which will focus on the theoretical and practical aspects explained during the course.  The use of self-assessment and self-reflection and evaluation were taken in account as the participation in the class.		
	Assignments Self –assessme evaluation Presentation of Self-intragroup Class discussion Participation in	the worksh peer assess	op Group 50%



	<ul> <li>The assessment criteria for the group workshop:</li> <li>Linguistic correctness of the text: adequate language, grammatically correct and well-articulated in its syntax.</li> <li>Relevance of the topics covered: presence of key concepts, transversal to the different moments of the teaching of the course)</li> <li>Completeness and adequacy of the contents and concepts exposed.</li> <li>Argumentation of opinions: presence of critical arguments, supported by personal reflection and re-elaboration, to identify the premises, one's own, others' or deriving from the context, for a new understanding of one's own learning and professional experiences.</li> <li>Consistency of the paper: the discussion produced must be cohesive and unitary, presenting a logical ordering of concepts and an organicity of thought.</li> </ul>	
Qualifications framework Reference to EQF and NVQ	Target Level 4	
Delivery methods	X Exercises  x Lectures/lessons/presentations  Job-shadowing  Placement  Project work  Role-play  x Video tutorials  Other activities (please specify):	
Resources	Readings: Kuratko, D. F. (2016). Entrepreneurship: Theory, process, and practice. Cengage learning. Additional Readings: Websites: <a href="http://www.beyondthelimitsproject.sakarya.edu.tr">http://www.beyondthelimitsproject.sakarya.edu.tr</a> Videos and tutorials: <a href="http://www.beyondthelimitsproject.sakarya.edu.tr/course-movies.html">http://www.beyondthelimitsproject.sakarya.edu.tr/course-movies.html</a>	



# Activities Workshop: The concept of feasibility, its purpose, survey stages, preparation and evaluation of the feasibility report are explained with ready-made sample feasibility studies. Student groups are asked to do the feasibility study in accordance with the determined business idea and the created project. The suitability of the prepared feasibility report for investment is presented in class



Group of learning outcomes Number and title	<ul> <li>7.From a business idea to a business project</li> <li>Identify a business idea and transforming it into a viable investment opportunity.</li> <li>Develop and follow the critical phase in the entrepreneurship process.</li> <li>Recognize the theoretical knowledge but also the practical insights that can be readily applied in real-world scenarios.</li> </ul>				
2.Describe business ide 3.Explain the purpose of 4.List and explain the st	Competences  1.Describe the definition of business idea.  2.Describe business idea development methods.  3.Explain the purpose of the business plan.  4.List and explain the stages and rules of preparing a business plan project.  5.Prepare a draft business plan.				
<ul> <li>Knowledge</li> <li>4. Knowledge about the debusiness idea.</li> <li>5. Knowledge of business development methods.</li> <li>6. Knowledge of the rules business plan.</li> </ul>	4. Ability to follow the stages of preparing a business plan.  5. Ability to explain the purpose of the business plan				
Duration Hours & Credits	8 Hours Lesson's hours: 3 Exercise's hours: 4.30 Assessment hours: 30 m				
Assessment methods (Click appropriate box/s)	<ul> <li>□ Written exercises and test</li> <li>x Oral examination and exercises</li> <li>x Practical assignment under supervision</li> <li>□ Practical assignment autonomously and responsibly</li> <li>□ Other activities (please specify):</li> </ul>				
Assessment criteria Description and timing	The course is assessed by a presentation of the workshop of each module, which will focus on the theoretical and practical aspects explained during the course.  The use of self-assessment and self-reflection and evaluation were taken in account as the participation in the class.				
	Assignments Weight Self –assessment reflection and evaluation Individual 5%				



	Presentation of the workshop Self-intragroup peer assessment Class discussion Participation in the class	Group 50% Group 15% Group 20% Individual 10%
	<ul> <li>Linguistic correctness of the text: adequate language, grammatically correct and well-articulated in its syntax.</li> <li>Relevance of the topics covered: presence of key concepts, transversal to the different moments of the teaching of the course)</li> <li>Completeness and adequacy of the contents and concepts exposed.</li> <li>Argumentation of opinions: presence of critical arguments, supported by personal reflection and reelaboration, to identify the premises, one's own, others' or deriving from the context, for a new understanding of one's own learning and professional experiences.</li> <li>Consistency of the paper: the discussion produced must be cohesive and unitary, presenting a logical ordering of concepts and an organicity of thought.</li> </ul>	
Qualifications framework Reference to EQF and NVQ	Target Level 4	
Delivery methods	X Exercises x Lectures/lessons/presentations Job-shadowing Placement Project work Role-play x Video tutorials Other activities (please specify):	
Resources	Readings: Kuratko, D. F. (2016). Entrepresentation practice. Cengage learning. Website: <a href="http://www.beyondthe">http://www.beyondthe</a>	



	Videos and tutorials: <a href="http://www.beyondthelimitsproject.sakarya.edu.tr/course-movies.html">http://www.beyondthelimitsproject.sakarya.edu.tr/course-movies.html</a>
Activities	<ul> <li>Students list people who have turned their business ideas into successful investments and share with the class explaining why they choose these people.</li> <li>The Sample project studies are examined. A few of the business ideas previously cited by students were analyzed and examining the purpose, importance, stages, and preparation of the business plan.</li> <li>As the sample a draft for students' idea will be prepared.</li> </ul>



Group of learning outcomes Number and title	<ul> <li>8. From a business idea to the business project: Teamwork and leadership</li> <li>Promote cooperative values and behaviors that contribute to group consolidation.</li> <li>Reflect on the complementarity of the team building skills needed in the working and/or professional environment.</li> <li>Recognize the theoretical knowledge but also the practical insights that can be readily applied in social real-world scenarios.</li> </ul>			
Competences  1.Knowing the factors involved in the team building process.  2.Understand the type of skills needed and build a team.  3.Experiment with different working styles and interaction patterns to work effectively in a team.  4.Demonstrate an understanding of the meaning of leadership.  5.Describe and explain the characteristics of an effective and inspiring leader.				
<ul><li>Knowledge</li><li>1. Knowledge about team building resources.</li><li>2. Knowledge about leadership</li></ul>		Skills  1. Ability to work in team. 2. Ability to recognize team leader. 3. Ability to describe entrepreneurial groups.		
<b>Duration</b> Hours & Credits	Ex		Lesson's hours: 3 Exercise's hours: 4.30 Assessment hours:30 minutes	
Assessment methods (Click appropriate box/s)	<ul> <li>□ Written exercises and test</li> <li>x Oral examination and exercises</li> <li>x Practical assignment under supervision</li> <li>□ Practical assignment autonomously and responsibly</li> <li>□ Other activities (please specify):</li> </ul>			
Assessment criteria  Description and timing	The course is assessed by a presentation of the workshop of each module, which will focus on the theoretical and practical aspects explained during the course.  The use of self-assessment and self-reflection and evaluation were taken in account as the participation in the class.    Assignments   Weight			



	Self-intragroup peer assessment	Group 15%
	Class discussion	Group 20%
	Participation in the class	Individual 10%
	<ul> <li>The assessment criteria for the group workshop:</li> <li>Linguistic correctness of the text: adequate language grammatically correct and well-articulated in its syntax.</li> </ul>	
	1	
	• Relevance of the topics covered: presence of key concepts, transversal to the different moments of the teaching of the course)	
	Completeness and adequacy of the contents and concepts exposed.	
	<ul> <li>Argumentation of opinions: presence of critical arguments, supported by personal reflection and re-elaboration, to identify the premises, one's own, others' or deriving from the context, for a new understanding of one's own learning and professional experiences.</li> <li>Consistency of the paper: the discussion produced must be cohesive and unitary, presenting a logical ordering of</li> </ul>	
	concepts and an organicity  •	of thought.
Qualifications framework Reference to EQF and NVQ	Target Level 4	
<b>Delivery methods</b>	X Exercises	
	x Lectures/lessons/preser	ntations
	☐ Job-shadowing	
	☐ Placement	
	☐ Project work	
	☐ Role-play	
	x Video tutorials	
	☐ Other activities (please	specify):
Resources	Readings: Kuratko, D. F. (2016). Entrepresentation practice. Cengage learning.	eneurship: Theory, process, and
	Additional Readings: Website: <a href="http://www.beyondthe">http://www.beyondthe</a>	elimitsproject.sakarya.edu.tr



	Videos and tutorials: <a href="http://www.beyondthelimitsproject.sakarya.edu.tr/course-movies.html">http://www.beyondthelimitsproject.sakarya.edu.tr/course-movies.html</a>	
Activities	Workshop: the class choose some "actors" from the class an make different role playing showing different kind of leader and groups and the other part of the class has a list to check the characteristics of the leaders.  After the roleplaying the class discuss the different type leadership underline the characteristics the effects and the suggestions	



Group of learning outcomes Number and title	<ul> <li>9.Business opportunities and young entrepreneurs</li> <li>Identify the institutions and organizations that support entrepreneurs.</li> <li>Explain the social responsibilities of entrepreneurs.</li> <li>Explain the legal responsibilities of entrepreneurs.</li> </ul>			
Competences  1. Identify the emerging opportunities in a globalized world.  2. Identify escalating trends in entrepreneurship in recent years, along with an exploration of the prospects available to entrepreneurs.  3. Recognize an entrepreneurial path, highlighting the fundamental responsibilities entailed in entrepreneurship.				
1 Knowledge about institutions organizations that support 6. 2. Knowledge about the resentrepreneurs towards indivinstitutions, and organizations.	entrepreneurs. sponsibilities of viduals,	entrepreneurs. 2. Ability to list entrepreneurs.	Ability to list the legal responsibilities of ntrepreneurs.  Ability to list the general rules of business	
<b>Duration</b> Hours & Credits	8 Hours		Lesson's hours: 3 Exercise's hours: 4.3 Assessment hours: 30 minutes	
Assessment methods (Click appropriate box/s)	X Written exercises and test ☐ Oral examination and exercises ☐ Practical assignment under supervision ☐ Practical assignment autonomously and responsibly ☐ Other activities (please specify):			
Assessment criteria  Description and timing	The course is assessed by a presentation of the workshop of each module, which will focus on the theoretical and practical aspects explained during the course.  The use of self-assessment and self-reflection and evaluation were taken in account as the participation in the class.			
	Assignments Self –assessment reflection and evaluation Presentation of the workshop Group 50%		Individual 5%	



	Self-intragroup peer assessment	Group 15%			
	Class discussion	Group 20%			
	Participation in the class	Individual 10%			
	Turrespured in the class	marriada 1070			
	The assessment criteria for the group workshop:				
	• Linguistic correctness of the text: adequate language,				
	grammatically correct and well-articulated in its syntax.				
	<ul> <li>Relevance of the topics covered: presence of key concepts,</li> </ul>				
	transversal to the different	transversal to the different moments of the teaching of the			
	course)				
	<ul> <li>Completeness and adequace exposed.</li> </ul>	ey of the contents and concepts			
	<ul> <li>Argumentation of opinions</li> </ul>	: presence of critical arguments,			
	_	flection and re-elaboration, to			
		s own, others' or deriving from			
		_			
		erstanding of one's own learning			
		and professional experiences.			
	• Consistency of the paper: the discussion produced must be				
	cohesive and unitary, presenting a logical ordering of				
	concepts and an organicity of thought.				
Qualifications	Target Level 4				
framework					
Reference to EQF and					
NVQ					
Delivery methods	X Exercises				
	x Lectures/lessons/prese	entations			
	☐ Job-shadowing				
	☐ Placement				
	☐ Project work				
	☐ Role-play				
	x Video tutorials				
	☐ Other activities (please	specify):			
Dosourans	Readings:				
Resources		mayrahin. Theory are seen and			
	· · · · · · · · · · · · · · · · · · ·	eneurship: Theory, process, and			
	practice. Cengage learning	g.			
	Additional Readings:				
	Bonini, S. M., Mendonca, L. T.	Oppenheim, J.M. (2006). When			
	social issues become strateg	gic. McKinsey Quarterly (2): 19-			
	31.				
I					



	Websites: <a href="http://www.beyondthelimitsproject.sakarya.edu.tr">http://www.beyondthelimitsproject.sakarya.edu.tr</a> <a href="http://www.beyondthelimitsproject.sakarya.edu.tr/course-movies.html">http://www.beyondthelimitsproject.sakarya.edu.tr/course-movies.html</a>
Activities	<ul> <li>Students are divided into groups. Each group conducts research (using the Internet, newspapers, magazines) on the social and legal responsibilities of institutions and organizations operating in the service sector, trade sector, industrial sector. After the research, they shared it with the class.</li> <li>The class discusses the social and legal responsibilities of institutions and organizations operating in the service sector, trade sector, industrial sector.</li> </ul>



Group of learning outcomes Number and title	<ul> <li>10.The company in action: Dealing with costs.</li> <li>Recognize Financing opportunities.</li> <li>Estimate the costs of a business.</li> <li>Identify the financial risks</li> </ul>		
Competences  1. Knowing how to estimate the cost of transforming an idea into an activity that creates value.  2. Understand the dynamics of the company's financial needs.  3. Understand the characteristics of the different sources of financing available to businesses and the related costs and risks: equity and credit.  4. Apply the adequate methods of coverage.			
Knowledge  1.Knowledge about fundraising channels 2.Knowledge about financial risks 3. Knowledge about the balance sheet  Skills  1. Skills to create a balance sheet 2. Ability to analyze financial risks		ate a balance sheet	
<b>Duration</b> Hours & Credits	8 Hours / 1 Credit		Lesson's hours: 3 Exercise's hours: 4.3 Assessment hours: 30 minutes
Assessment methods (Click appropriate box/s)	X Oral examination and exercises  Written exercises and test Practical assignment under supervision Practical assignment autonomously and responsibly Other activities (please specify):		
Assessment criteria Description and timing	The course is assessed by a presentation of the workshop of each module, which will focus on the theoretical and practical aspects explained during the course.  The use of self-assessment and self-reflection and evaluation were taken in account as the participation in the class.		
	Assignments Self –assessme and evaluation Presentation of Self-intragroup assessment Class discussion Participation in	Ethe workshop peer on	Weight Individual 5%  Group 50% Group 15%  Group 20% Individual 10%



	<ul> <li>Linguistic correctness of the text: adequate language, grammatically correct and well-articulated in its syntax.</li> <li>Relevance of the topics covered: presence of key concepts, transversal to the different moments of the teaching of the course)</li> <li>Completeness and adequacy of the contents and concepts exposed.</li> <li>Argumentation of opinions: presence of critical arguments, supported by personal reflection and re-elaboration, to identify the premises, one's own, others' or deriving from the context, for a new understanding of one's own learning and professional experiences.</li> <li>Consistency of the paper: the discussion produced must be cohesive and unitary, presenting a logical ordering of concepts and an organicity of thoughts.</li> </ul>	
Qualifications framework	Target Level 4	
Reference to EQF and NVQ		
Delivery methods	X Exercises	
	x Lectures/lessons/presentations  Job-shadowing  Placement	
	☐ Project work☐ Role-play	
	x Video tutorials	
	☐ Other activities (please specify):	
Resources	Readings: Kuratko, D. F. (2016). Entrepreneurship: Theory, process, and practice. Cengage learning. Additional Readings: Abad-Segura, E., & González-Zamar, M. D. (2019). Effects of	
	financial education and financial literacy on creative entrepreneurship: A worldwide research. Education Sciences, 9(3), 238.	
	Websites: <a href="http://www.beyondthelimitsproject.sakarya.edu.tr">http://www.beyondthelimitsproject.sakarya.edu.tr</a>	



	Videos and tutorials: <a href="http://www.beyondthelimitsproject.sakarya.edu.tr/course-movies.html">http://www.beyondthelimitsproject.sakarya.edu.tr/course-movies.html</a>
Activities	The students have to develop a campaign of fundraising for one of the ideas lists in the furthers exercise reporting all the steps they follow for the analysis of the funding opportunities



Group of learning outcomes Number and title	<ul> <li>11. The company in action: Dealing with market</li> <li>Communicate one's business idea clearly and effectively in public.</li> <li>Analyze the market opportunities.</li> </ul>		
Competences  1. Identify suitable distribution and sales channels.  2. Identify the factors that determine the cost and selling price of a product or service.  3. Understand and apply the key elements of a marketing strategy, also in synergy with digital technologies and different communication channels.  4. Organize a communication campaign through different channels.			
Knowledge  1.Knowledge about sales and distribution  2.Knowing marketing strategies  3.Knowledge communication strategies		Skills  1. Skills to organize a distribution. 2. Ability to use marketing strategies. 3. Ability to advertising a product or service.	
Duration Hours & Credits	8 Hours		Lesson's hours: 3 Exercise's hours: 4.3 Assessment hours: 30 minutes
Assessment methods (Click appropriate box/s)	X Oral examination and exercises  ☐ Written exercises and test  x Practical assignment under supervision  ☐ Practical assignment autonomously and responsibly  ☐ Other activities (please specify):		
Assessment criteria Description and timing	The course is assessed by a presentation of the workshop of each module, which will focus on the theoretical and practical aspects explained during the course.  The use of self-assessment and self-reflection and evaluation were taken in account as the participation in the class.		
	Assignments		Weight
	Self –assessme	ent reflection	Individual 5%
	and evaluation		
	Presentation of		Group 50%
	Self-intragroup assessment		Group 15%
	Class discussion		Group 20%
	Participation in	the class	Individual 10%



Qualifications framework Reference to EQF and NVQ	<ul> <li>Linguistic correctness of the text: adequate language, grammatically correct and well-articulated in its syntax.</li> <li>Relevance of the topics covered: presence of key concepts, transversal to the different moments of the teaching of the course)</li> <li>Completeness and adequacy of the contents and concepts exposed.</li> <li>Argumentation of opinions: presence of critical arguments, supported by personal reflection and re-elaboration, to identify the premises, one's own, others' or deriving from the context, for a new understanding of one's own learning and professional experiences.</li> <li>Consistency of the paper: the discussion produced must be cohesive and unitary, presenting a logical ordering of concepts and an organicity of thoughts.</li> </ul>
Delivery methods	X Exercises x Lectures/lessons/presentations Job-shadowing Placement Project work Role-play x Video tutorials Other activities (please specify):
Resources	<ul> <li>Readings:</li> <li>Kuratko, D. F. (2016). Entrepreneurship: Theory, process, and practice. Cengage learning.</li> <li>Additional Readings:</li> <li>Abad-Segura, E., &amp; González-Zamar, M. D. (2019). Effects of financial education and financial literacy on creative entrepreneurship: A worldwide research. Education Sciences, 9(3), 238.</li> <li>Knight, G. (2000). Entrepreneurship and Marketing Strategy: The SME under Globalization. Journal of International</li> </ul>



	Marketing, 8(2), 12–32. <a href="https://doi.org/10.1509/jimk.8.2.12.19620">https://doi.org/10.1509/jimk.8.2.12.19620</a> Stokes, D. (2000). Putting entrepreneurship into marketing: the processes of entrepreneurial marketing. Journal of research in marketing and entrepreneurship, 2(1), 1-16.  Websites: <a href="http://www.beyondthelimitsproject.sakarya.edu.tr">http://www.beyondthelimitsproject.sakarya.edu.tr</a> Videos and tutorials: <a href="http://www.beyondthelimitsproject.sakarya.edu.tr/course-movies.html">http://www.beyondthelimitsproject.sakarya.edu.tr/course-movies.html</a>
Activities	Workshop: Communicate the company through the web. Study examples of innovative communication campaigns through the Internet, also in relation to the ability to generate added value for the company, in synergy with sales strategies and the change of key aspects of the company through technologies.  Workshop: Promotion and enhancement of Made in Italy, through meetings and discussions with producers of local Made in Italy excellence, also in relation to the defense against counterfeiting (e.g., Investigation and research of a typical product of Made in Italy agro-food and examples of counterfeiting).



Group of learning outcomes Number and title	<ul> <li>12. The network around the entrepreneur</li> <li>Explain the social factors that are effective in the emergence of entrepreneurs.</li> <li>Provide a suitable environment for the development of entrepreneurship.</li> <li>List the social dimensions of entrepreneurship.</li> </ul>			
2.Cultivate an enabling envisorial dimensions associate	Competences  1.Recognize the significance of social factors in fostering the emergence of entrepreneurs.  2.Cultivate an enabling environment for entrepreneurial development and outlines the social dimensions associated with entrepreneurship.  3.Establish a critical theoretical foundation to support subsequent units.			
1. Knowledge about the eff factors in the emergence	edge about the social dimensions reneurship		Skills  1. Ability to examine the formation of a suitable environment for the development of entrepreneurship  2. Ability to explain the social factors that are effective in the emergence of entrepreneurs  3. Ability to compare the social dimensions of entrepreneurship	
Duration Hours & Credits	Exerc		Exerc	on's hours: 3 eise's hours: 4.30 esment hours:30 minutes
Assessment methods (Click appropriate box/s)	X Written exercises and test  ☐ Oral examination and exercises  x Practical assignment under supervision  ☐ Practical assignment autonomously and responsibly  ☐ Other activities (please specify):			
Assessment criteria Description and timing	The course is assessed by a presentation of the workshop of each module, which will focus on the theoretical and practical aspects explained during the course.  The use of self-assessment and self-reflection and evaluation were taken in account as the participation in the class.			
	Assignments Weight Self –assessment reflection Individual 5% and evaluation Presentation of the workshop Group 50%			



Γ				
	Self-intragroup peer assessment	Group 15%		
	Class discussion	Group 20%		
	Participation in the class	Individual 10%		
	The assessment criteria for the group workshop:			
	• Linguistic correctness of the text: adequate language,			
	grammatically correct and well-articulated in its syntax.			
	<ul> <li>Relevance of the topics covered: presence of key concepts, transversal to the different moments of the teaching of the course)</li> </ul>			
	Completeness and adequacy exposed.	y of the contents and concepts		
	<ul> <li>Argumentation of opinions: presence of critical arguments, supported by personal reflection and re-elaboration, to identify the premises, one's own, others' or deriving from the</li> </ul>			
	context, for a new understanding of one's own learning and professional experiences.			
	Consistency of the paper: the discussion produced must be cohesive and unitary, presenting a logical ordering of concepts and an organicity of thoughts.			
Qualifications framework Reference to EQF and	Target Level 4			
NVQ				
Delivery methods	X Exercises			
	x Lectures/lessons/prese	entations		
	☐ Job-shadowing			
	☐ Placement			
	☐ Project work			
	□ Role-play			
	x Video tutorials			
	☐ Other activities (please	specify):		
Resources	Readings: Kuratko, D. F. (2016). Entrepresentation practice. Cengage learning. Additional Readings:	eneurship: Theory, process, and		
	Jensen, K.W., Schott, T. Start-ugand export: facilitated and	p firms' networks for innovation I constrained by entrepreneurs' public spheres. Soc. Netw. Anal.		



	Min. 5, 48 (2015). <a href="https://doi.org/10.1007/s13278-015-0287-8">https://doi.org/10.1007/s13278-015-0287-8</a> .  Websites: <a href="http://www.beyondthelimitsproject.sakarya.edu.tr/http://www.beyondthelimitsproject.sakarya.edu.tr/course-movies.html">http://www.beyondthelimitsproject.sakarya.edu.tr/course-movies.html</a>
Activities	<ul> <li>Workshop: Students will be able to discuss among themselves about the effective networking processes and What an entrepreneur should do to create an effective network. Students will discuss within the group.</li> <li>For discussion you could use these reflecting questions: <ul> <li>Are entrepreneurial qualities innate? Or are they influenced by family and environment, and can they be developed and acquired especially through education?</li> <li>What can be understood as the social dimension of entrepreneurship? Which social characteristics can support or facilitate entrepreneurship? Give examples.</li> <li>How does our society view entrepreneurship in general? Discuss.</li> <li>Briefly summarize the importance of social relations (acquaintances etc.) for successful entrepreneurship and the advantages they can provide.</li> </ul> </li> <li>Collaborative learning</li> </ul>



Group of learning outcomes Number and title	<ul> <li>13.Successful stories of entrepreneurship</li> <li>Explain the critical success factors of successful entrepreneurs.</li> <li>Explain the commonalities based on the life stories of entrepreneur who are successful business.</li> <li>Explain the commonalities based on the life stories of entrepreneur who failed in business.</li> <li>Compare critically the success and failures factors of different entrepreneurs and venture.</li> </ul>			
Competences  1.Understand the mindset of a successful entrepreneurs.  2.Explain the factors that allow an entrepreneur to develop a successful or a failing business.  3.Reflecting critically about success and failures factors of successful entrepreneurs.  4.Analyse critically the entrepreneurship stories				
Knowledge  1. Knowledge of critical success factors of successful entrepreneurs  2. Knowledge about institutions and organizations that support entrepreneurs  3. Knowledge about the opportunities offered by institutions and organizations supporting entrepreneurs  4. Knowledge about the responsibilities of entrepreneurs towards individuals, institutions, and organizations		Skills  1. Ability to evaluate the emergence of common aspects based on the life stories of entrepreneurs with a successful in entrepreneurship.  2. Ability of critical reflection on entrepreneurships stories also considering new knowledge.		
<b>Duration</b> Hours & Credits	8 Hours			Lesson's hours: 3 Exercise's hours: 4.30 Assessment hours:30 minutes
Assessment methods (Click appropriate box/s)	X Written exercises and test  ☐ Oral examination and exercises  x Practical assignment under supervision  ☐ Practical assignment autonomously and responsibly  ☐ Other activities (please specify):			
Assessment criteria Description and timing	The course is assessed by a presentation of the workshop of each module, which will focus on the theoretical and practical aspects explained during the course.			



	The use of self-assessment and self-reflection and evaluation		
	were taken in account as the par	rticipation in the class.	
	Assignments	Weight	
	Self –assessment reflection	Individual 5%	
	and evaluation	C 500/	
	Presentation of the workshop	Group 50%	
	Self-intragroup peer	Group 15%	
	assessment Class discussion	Group 20%	
	Participation in the class	Individual 10%	
	Tarticipation in the class	marviduai 1070	
	The assessment criteria for the	group workshop:	
	• Linguistic correctness of	the text: adequate language,	
	grammatically correct and w		
		ered: presence of key concepts,	
	•	moments of the teaching of the	
	course)	moments of the teaching of the	
	<i>'</i>	y of the contents and concents	
		y of the contents and concepts	
	exposed.	0 1	
	•	presence of critical arguments,	
		lection and re-elaboration, to	
		own, others' or deriving from the	
	context, for a new understar	nding of one's own learning and	
	professional experiences.		
	• Consistency of the paper: the	ne discussion produced must be	
	cohesive and unitary, pres	senting a logical ordering of	
	concepts and an organicity o	f thoughts.	
Qualifications	Target Level 4		
framework	1 42 800 20 101 1		
Reference to EQF and			
NVQ			
IVV Q			
Delivery methods	X Exercises		
·	x Lectures/lessons/prese	entations	
	☐ Job-shadowing		
	☐ Placement		
	☐ Project work		
	☐ Role-play		
	x Video tutorials		
		spacify):	
	☐ Other activities (please	specify).	



Resources	Readings: Kuratko, D. F. (2016). Entrepreneurship: Theory, process, and practice. Cengage learning. Additional Readings: Boldureanu, G., Ionescu, A. M., Bercu, AM., Bedrule-Grigoruță, M. V., & Boldureanu, D. (2020). Entrepreneurship Education through Successful Entrepreneurial Models in Higher Education Institutions. Sustainability, 12(3), 1267. <a href="https://doi.org/10.3390/su12031267">https://doi.org/10.3390/su12031267</a> .  Websites: <a href="http://www.beyondthelimitsproject.sakarya.edu.tr">http://www.beyondthelimitsproject.sakarya.edu.tr</a> /videos and tutorials: <a href="http://www.beyondthelimitsproject.sakarya.edu.tr/course-movies.html">http://www.beyondthelimitsproject.sakarya.edu.tr/course-movies.html</a>
Activities	Workshop: Students will be able to discuss among themselves about the life of one well-known entrepreneur. They have to compare the existing successful business with the knowledge learned so far and discuss within the group.  Collaborative learning



Group of learning outcomes Number and title	<ul> <li>14. Be an entrepreneur</li> <li>Understand the factors that are effective in the emergence of entrepreneurs.</li> <li>Explain the aims of entrepreneurship education.</li> <li>Explain the discussion of entrepreneurship education.</li> </ul>			
1.Understand the factors 2.Evaluate the importance	that are effective in	_		entrepreneurs
Knowledge about the a entrepreneurship education.	oims of on.	entreprend 2. Ability	eurship to com	Skills lain the aims of education apare the discussion of education.
<b>Duration</b> Hours & Credits	8 Hours /1 Cre	I	Exercis	s hours: 3 e's hours: 4.30 nent hours:30 minutes
Assessment methods (Click appropriate box/s)	☐ Oral exa ☐ Practica ☐ Practica	☐ Practical assignment autonomously and responsibly		
Assessment criteria  Description and timing	module, which we explained during	The course is assessed by a presentation of the workshop of each module, which will focus on the theoretical and practical aspects explained during the course.  The use of self-assessment and self-reflection and evaluation were taken in account as the participation in the class.		
	Assignments		1	Veight
	Self –assessme and evaluation Presentation of Self-intragroup assessment	f the works	on I shop (	Group 50% Group 15%
	Class discussion Participation in			Group 20% ndividual 10%



	<ul> <li>Linguistic correctness of the text: adequate language, grammatically correct and well-articulated in its syntax.</li> <li>Relevance of the topics covered: presence of key concepts, transversal to the different moments of the teaching of the course)</li> <li>Completeness and adequacy of the contents and concepts exposed.</li> <li>Argumentation of opinions: presence of critical arguments, supported by personal reflection and re-elaboration, to identify the premises, one's own, others' or deriving from the context, for a new understanding of one's own learning and professional experiences.</li> <li>Consistency of the paper: the discussion produced must be cohesive and unitary, presenting a logical ordering of concepts and an organicity of thoughts.</li> </ul>
Qualifications framework Reference to EQF and NVQ	Target Level 4
Delivery methods	X Exercises  x Lectures/lessons/presentations  Job-shadowing  Placement  Project work  Role-play  x Video tutorials  Other activities (please specify):
Resources	Readings: Kuratko, D. F. (2016). Entrepreneurship: Theory, process, and practice. Cengage learning. Additional Readings: Boldureanu, G., Ionescu, A. M., Bercu, AM., Bedrule-Grigoruță, M. V., & Boldureanu, D. (2020). Entrepreneurship Education through Successful Entrepreneurial Models in Higher Education Institutions. Sustainability, 12(3), 1267. <a href="https://doi.org/10.3390/su12031267">https://doi.org/10.3390/su12031267</a> .



	Websites: <a href="http://www.beyondthelimitsproject.sakarya.edu.tr">http://www.beyondthelimitsproject.sakarya.edu.tr</a> <a href="http://www.beyondthelimitsproject.sakarya.edu.tr/course-movies.html">http://www.beyondthelimitsproject.sakarya.edu.tr/course-movies.html</a>
Activities	Workshop: The students in a small group discuss all characteristics competences and knowledge an entrepreneur should have (considering all the modules studied so far) and prepare a profile of a successful entrepreneur, underlining the aspects they discussed.  Collaborative learning



## Conclusion

The above developed curriculum targets students, workers or new entrepreneurs, it aims to develop skills and abilities in creativity and entrepreneurship.

The curriculum has multiple uses it can be taught to students at secondary school courses as introductory course.

The curriculum could also have more applications such as training or updating courses for workers or industry experts. The course could also be used as a single course and workshop for those who want to learn more about the topic, such as new entrepreneurs.

The course includes theoretical parts and practical parts integrating student-centered approaches such as collaborative learning, learning by doing and project-based learning. Since the course is therefore developed giving particular attention to the practical and laboratory part, it is interesting both for those who know the subject and wants to experience both less experienced students. In particular, it could be useful for those who want to open a business and need to deal with the themes of creativity. The possibility of learning by doing is the strong point of this curriculum which could be distributed in all the partner countries of the project and also be disseminated to schools as an example to be developed in their own courses.



## EU BEYOND THE LIMITS: DEVELOPING ENTREPRENEURSHIP VIA **CREATIVITY IN SCHOOLS PROJECT** 2020-1-TR01-KA203-093989

## **Project Coordinator**

Sakarya University - Türkiye

## **Partnership**

De Montfort University – England

CSCS- Italy

Liepaja University – Latvia

Padova University- Italy

University of Coimbra- Portugal

Agora University of Oradea-Romania

Granada University- Spain











































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