

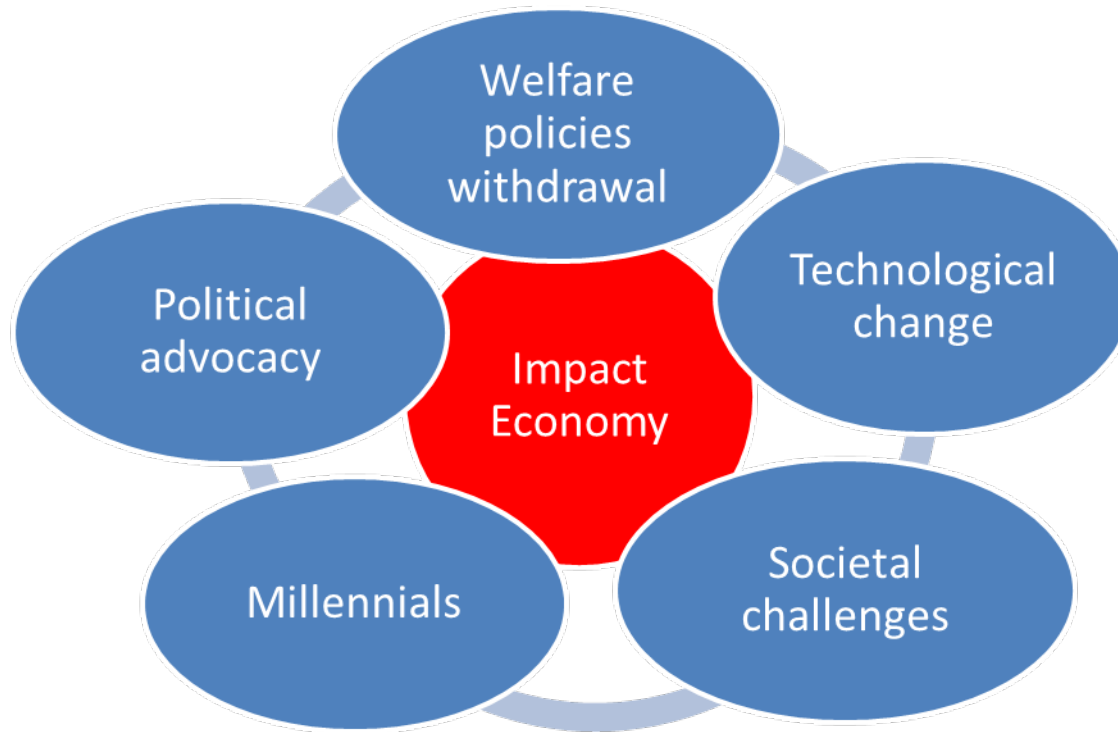


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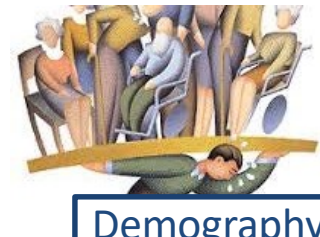
Master of Science in Management Engineering Stream Sustainable Operations and Social Innovation

Academic Year 2021-2022

Scenario and market needs: the impact revolution



Societal challenges



New innovation models

A paradigm shift, generating:

- ⦿ **new markets, new demand patterns** and **marketing challenges**....
- ⦿ **new challenges for innovation**...



Re-think objects



The circular economy

- ① new challenges in finding **logistic solutions** and **product lifecycle management**...



New corporations and entrepreneurship: Hybrid forms

Profit with Purpose companies

Social ventures

Social enterprises

Tech-For-Social-
Good Startups

Benefit Corporations

B corps

Impact banks

Learning outcomes

The course fits into the overall program curriculum pursuing some of the defined general learning goals. In particular, the course contributes to the development of the following capabilities:



- **Develop** new ideas and solutions in business and industrial scenarios evolving over time;

- **Understand** context, functions, processes in a business and industrial environment and the impact of those factors on business performance;

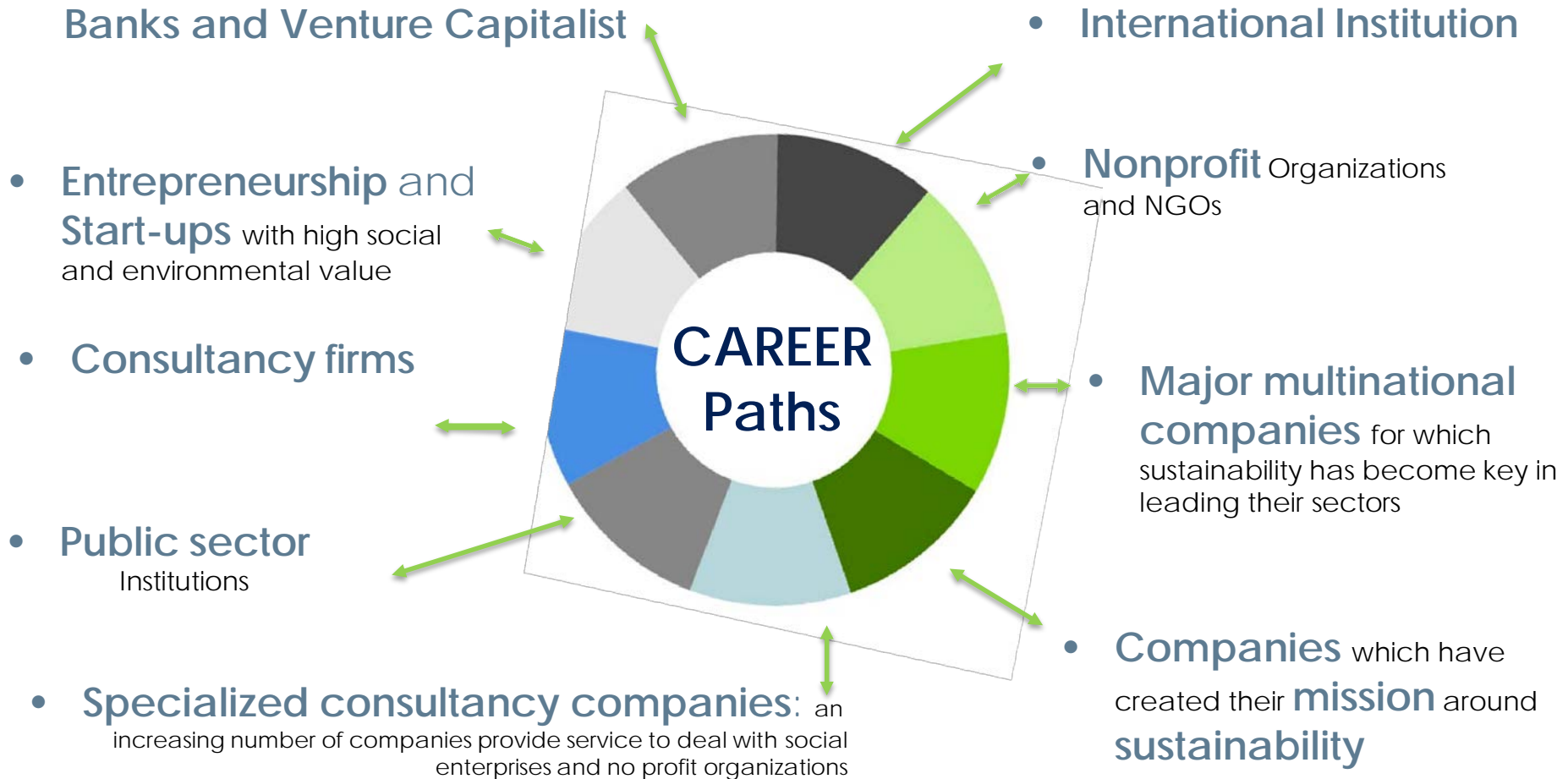
- **Design** solutions applying a scientific and engineering approach to face problems and opportunities in a business and industrial environment.

Learning outcomes

For each of the previous highlighted goals, the main expected learning outcomes are:

- **understanding** the concept of social innovation
- **re-interpreting** of the whole set of managerial notions that students are already provided
- **gaining the competences** to face the managerial challenges experienced by social ventures and established companies in developing social impact initiatives.

Job opportunities



Stream Architecture

POS	SEM	COURSE	ECTS	ECTS (GROUP)	SSD
7	1	Business in Transformation: Social and Sustainability Challenges Lab	15.0	15.0	ING-IND/17 ING-IND/35 SPS/04
8	1	Advanced and Sustainable Manufacturing	10.0	10.0	ING-IND/17
9	1	Social Innovation	5.0	5.0	ING-IND/35
10	1	De-Manufacturing	5.0	5.0	ING-IND/16
	2	Economics of Network Industries	5.0		ING-IND/35
	2	Health care Management	5.0		ING-IND/35
	2	International Distribution	5.0		ING-IND/17
	1	Operations Risk Management and Resilience	5.0		ING-IND/17
	2	Policy Analysis	5.0		SPS/04
		Geslm exam	-	5.0	
		Freelm exam	-	8.0	
		Final thesis	15.0	15.0	

The Lab is a **training arena** based on the idea of **learning by doing** and strengthening the student's **soft skills**.

- **Two intensive weeks** will allow you to better understand the impact of societal challenges on companies' business models and learn how to use the tools to enable the implementation of these novel business solutions.
- A **group work** will allow you to interact with **real-world companies** to define and apply a comprehensive **hands on project**, implementing novel solutions and evaluating short and long term impacts.
- **International faculty** with a multidisciplinary perspective.

Contacts

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