

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

Scenario and market needs 1/5



Scenario and market needs 2/5

A paradigm shift, generating:

• new markets, new demand patterns and marketing challenges....





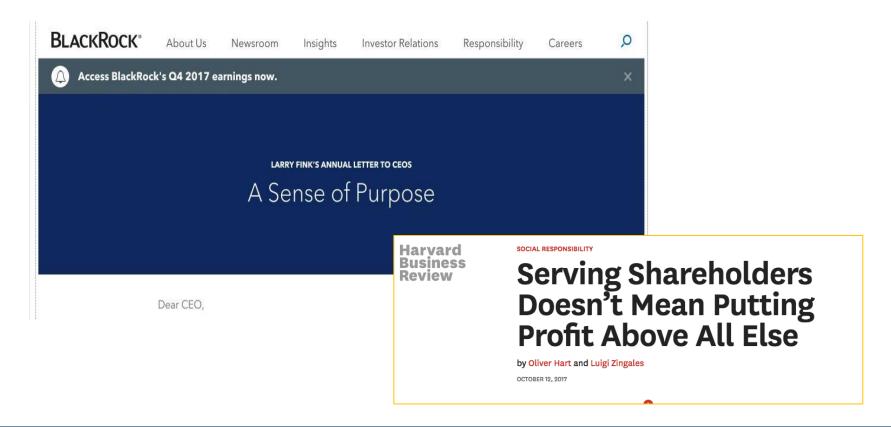
Scenario and market needs 3/5

new challenges for innovation...



Scenario and market needs 4/5

new challenges in financing...



Scenario and market needs 5/5

new challenges in finding logistic solutions and product lifecycle management...



Learning outcomes 1/2

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 2/2

For each of the prevoius 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

Entrepreneurship and Start-ups with high social and environmental value
 Consultancy firms
 Public sector Institutions

- International Institution
- Nonprofit Organizations and NGOs
- Major multinational companies for which sustainability has become key in leading their sectors
- Companies which have created their mission around sustainability

Specialized consultancy companies: an

increasing number of companies provide service to deal with social enterprises and no profit organizations

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	

Sustainable Operations and Social Innovation *LAB*

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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