

INTENDED LEARNING OUTCOMES OF THE MASTER OF SCIENCE IN ECONOMICS AND MANAGEMENT OF INNOVATION AND TECHNOLOGY

CORE AREA OF STUDY

Knowledge and Understanding

<p>Graduates will acquire advanced knowledge related to:</p>	<p>Knowledge and Understanding will be achieved through the following courses:</p>
<p>1) issues of innovation and industry analysis, in particular: 1.1 models to analyze innovation features and dynamics of firms and industries 1.2 methodologies to analyze business strategies and competition in various industries 1.3 international legislation to protect intellectual property rights of firms and other organizations</p>	<p>1.1 Fundamentals of innovation and industrial change 1.2 Business Economics – Module I + II 1.3 Intellectual property and competition law</p>
<p>2) issues of management of technology, entrepreneurship and innovation strategy, in particular: 2.1 raising and sourcing funding for new businesses through venture capital operations 2.2 strategies in using technology and innovation to position the business in the competitive arena 2.3 business models and techniques to assess the business potential offered by new technologies (ICT in particular)</p>	<p>2.1 Venture capital and valuation 2.2 Technology and innovation strategy 2.3 Building and Scaling a Tech-Based Startup</p>
<p>3) statistical data analysis and in particular multivariate data analysis techniques</p>	<p>3. Data Analytics and visualization</p>

Applying Knowledge and Understanding	
Graduates will be able to:	Ability to Apply Knowledge and Understanding will be achieved through the following courses:
1) Make use of knowledge acquired in the issues of innovation and industry analysis, in order to: <ul style="list-style-type: none"> 1.1 analyze industries and their trends as well as assess how technology affects the industrial system as a whole 1.2 apply methodologies to evaluate firms' strategic behavior, whether competitive or collaborative 1.3 assess constraints and opportunities in innovation and intellectual property legislation at international level 	1.1 Fundamentals of innovation and industrial change 1.2 Business Economics – Module I + II 1.3 Intellectual property and competition law
2) Make use of knowledge acquired in the issues of management of technology, entrepreneurship and innovation strategy, in order to: <ul style="list-style-type: none"> 2.1 develop strategies for financing new businesses: from business plan to fundraising 2.2 apply methodologies and techniques that foster technological innovation of products and processes 2.3 properly assess the opportunities offered by new technologies (ICT in particular) to develop successful online business ideas 	2.1 Venture capital and valuation 2.2 Technology and innovation strategy 2.3 Building and Scaling a Tech-Based Startup
3) Apply statistical tools to process big data in order to support decision making regarding innovation strategies	3. Data Analytics and visualization

CUSTOMIZED AND LINGUISTIC AREA OF STUDY

Knowledge and Understanding

Graduates will have acquired wide-ranging and in-depth knowledge of their choice related to topics in specific areas, identified based on their interests and in line with the educational program.

Regarding languages, graduates will strengthen their knowledge in English (which is an entry requirement) in order to achieve, at least, a B2 business level; moreover, they will acquire knowledge of a second EU language (Italian: at least level A2; other EU language among those listed in the University Guide: at least level B1 business. Italian is compulsory for non-Italian native speakers).

Applying Knowledge and Understanding

Graduates will be able to apply the methodologies acquired during the study program and use related practical tools; over time, they will be able to analyze and interpret the environmental context of reference for issues related to the areas of the study program and apply the logical methods acquired for tackling any new problems that may emerge during their professional lives.

Regarding languages, graduates will demonstrate abilities in English (written and oral comprehension and expression (at least post intermediate - business level) and abilities in another EU language (at least elementary level; the exit level depends on the language – Italian or other EU language – and on the student’s entry level).

Making Judgements	Graduates will acquire the ability to integrate knowledge, manage complexity and make judgements even with partial information, including considerations and assessments regarding social responsibility and ethics related to the application of economics and managerial skills; in particular, they will be able to integrate the perspectives of different business functions.
Communication	Graduates will acquire skills and tools appropriate for the management and transfer of information, both to specialists and non-specialists of the topic. In particular, they will be able to express themselves clearly and effectively in any setting, even multicultural ones. They will be able to make a presentation in public using the most modern IT tools.
Lifelong Learning Skills	Graduates will acquire learning skills that allow them to be autonomous in updating and developing their knowledge and competences related to managing innovation and technology in various professional contexts.