

40. BIG DATA ANALYTICS AND TECHNOLOGIES FOR MANAGEMENTⁱ	
Level I	
Department of Economics and Management (DISEI)	
Course coordinator	Cristiano Ciappei
Executive Committee	Cristiano Ciappei Paolo Nesi Cristina Martelli Raffaele Donvito Silvia Ranfagni
Contact person for information regarding teaching organization, class schedule, course content	cristiano.ciappei@unifi.it
Practical-professional profile of the course and industry sector of reference	<p>The course aims to convey tools and concepts designed to enhance the value of digital information available in organizations, regardless of their size, nature, and industry. The integration of disciplines pertaining to Management, Data Science, and Information Technology makes it possible to define an educational pathway in which students will learn to acquire, process, and analyze data from various sources and support the interpretation, design, and implementation of targeted government actions.</p> <p>In particular, the course aims to train professionals to be protagonists of change; together with scientific rigor and laboratory activities, emphasis will be placed on resource and project management in modern economic organizations according to lean methodologies, which are widespread in startups and increasingly appreciated even by long-established companies because they are better able to respond to the challenges of changing, complex and uncertain economic environments such as the current one.</p> <p>At the end of the course, learners will have acquired the following knowledge and skills:</p> <p>Respond to action-intensive contexts through personal analysis and judgment based on interpretation of data. Possible career outlets include advanced data analysts and data scientists, i.e., professionals who can analyze data in both final and estimate modes.</p>
Access prerequisites	A bachelor's or master's degree or single-cycle degree awarded according to the system under Ministerial Decree No. 270/2004 or under Ministerial Decree No. 509/1999 or previous systems.
How the admission procedure takes place	Selection by academic qualifications
Duration	12 months
Teaching methods	In-person classes
Language of instruction	Italian
Attendance requirements	70%
Location of the course	Novoli classrooms, Via delle Pandette, 32 - Firenze
Foreseen lecture schedule	Fridays and Saturdays
Examinations procedures and schedule	There will be mid-term tests in ways that will be announced.
Final examination	Submission of a report related to the internship and an interview

Available places and enrolment fees	
Full-fee students	
Minimum number	8
Maximum Number	40
Enrolment fee	€5,000

Free-of-charge supernumerary places	
UNIFI employees	2
Single Modules	
None planned	

Description of the activities and training objectives of the internship	A practical and professional internship of 25 hours covering the subjects taught is planned.
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ⁱ This document is a translation of the form A.1 relating to the characteristics of the course attached to the Decree of the Deputy number 652 (record 154925) of 13th of July 2023, drafted in Italian and issued on the Master | Didattica | Università degli Studi di Firenze | UniFI and which therefore constitutes the only official document. This English translation cannot be used for legal purposes and has the sole purpose of supplying information in English on the content of the public notice.