

| 40. BIG DATA ANALYTICS AND TECHNOLOGIES FOR MANAGEMENTⁱ | |
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| 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 | University premises |
| 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 | |
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| Full-fee students | |
| Minimum number | 9 |
| Maximum Number | 40 |
| Enrolment fee | €5,000 |

| Free-of-charge supernumerary places | |
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| UNIFI employees | 2 |
| AOU Careggi Employees | 1 |
| AOU Meyer Employees | 1 |
| Single Modules | |
| None planned | |

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| 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 873 (record 158006) of 25th of July 2022, 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.