Master's degree in

DATA SCIENCE

LM 91 Degree Class in TECHNIQUES AND METHODS FOR THE INFORMATION SOCIETY

DEGREE PROGRAMME
DESCRIPTION AND REGULATIONS

(ANNUAL FACT SHEET - SUA-CdS, B1 section)
A. Y. 2023/24

YEAR OF ENROLMENT: 2023/24

Index of Topics

GENERAL INFORMATION

MODULES

PROGRAMME REGULATIONS

	GENERAL INFORMATION	
1.	**DEGREE PROGRAMME WEB PAGE**	The web pages of the study program provide an overview of the course organization, regulations governing functional aspects, and other university regulations useful to the student community. They describe the quality assurance system and orientation services for future students. Information on the practical organization of the course, the conduct of teaching activities, training opportunities, and useful contacts throughout the study path up to graduation can be found. Procedures and modalities for enrolling in the course, entry requirements, and support services for students, including international ones, are also available. Additionally, contact information, FAQs, notices, services, and opportunities offered by the University are provided.
2.	**PROGRAMME DIRECTOR**	Prof. Paolo dai Pra The Programme Director chairs the Quality Assurance Group, which is in charge of the design and self-evaluation of the degree programme according to the guidelines provided by the Quality Assurance Board.
3.	**PRESIDENT OF THE TEACHING COMMITTEE**	Prof. Paolo Dai Pra. The Teaching Committee is responsible for planning, organising, coordinating, checking and ensuring the quality of teaching; it is up to the Teaching Committee to propose changes to the degree programme regulations and rules and decide on any relevant students' requests.
4.	**ADMINISTRATIVE UNIT**	Science and Engineering Teaching and Student Services Unit
5.	**TEACHING STAFF, MODULES AND OFFICE HOURS**	Lecturers will normally publish information about their teaching and research activities on their individual web pages, which you can access from the home page of the degree programme web page. From the home page you will also be able to access and explore the module web pages, where you will find an overview of the contents of each module. For office hours details and information, please check the individual web page of the relevant lecturer.
6.	**DURATION**	2 years
7.	**LOCATION**	Strada Le Grazie 15, 37134, Verona
8.	**DEPARTMENT/SCHOOL**	Department of Computer Science
9.	**CURRICULUM**	Unique curriculum
10.	**LANGUAGE**	English
11.	**TEACHING MODE**	In-Person lectures
12.	**ADMISSION**	No admission Test required
13.	**REQUIRED ENTRY QUALIFICATIONS**	Laurea (three-year Bachelor's degree), or other qualification gained abroad and recognised as suitable.
14.	**SUBJECT REQUIREMENTS AND PERSONAL PREPARATION**	The curricular requirements are those indicated on the Required Requirements page. The verification of requirements is carried out through the analysis of the curriculum. Admission interviews are not required, with the exceptions specified on the aforementioned page.
15.	**ENROLMENT**	For information about how to apply, please see the relevant web page.
16.	**SUPPORT FOR STUDENTS WITH DISABILITIES AND SPECIFIC LEARNING DISORDER (DSA)**	For more information www.univr.it/inclusione
17.	**CFU CREDITS**	Each CFU corresponds to 25 hours of total student commitment. The different types of educational activities have the following HOURS/CFU ratios: - Lecture: 1 CFU/8 hours - Exercise-laboratory: 1 CFU/8 hours - Internship/professional training: 1 CFU/25 hours Among the Type C courses, there are opportunities for experimental teaching modeled on the established European models of British "Reading courses" or German "Seminare/Oberseminare." These are 6-CFU courses known as "seminar

		courses," which may include lecture series by foreign professors invited as part of the internationalization project and are coordinated by a faculty member from the University, with a teaching commitment quantified at 1 CFU.

MODULES		
18.	**STUDY PLAN**	The Study Plan includes the modules and other educational activities to be attended in the two-year degree programme. For further information, please see the degree programme web page.
19.	**MODULES PER ACADEMIC YEAR**	A list of the modules available in the relevant academic year, listed by academic year and year of enrolment, can be found here.

PROGRAMME REGULATIONS		
20.	**ASSESSMENT METHODS**	For each module/activity, the learning objectives, a programme description, textbooks, teaching material required and relevant assessment methods are determined. This information is available on each degree programme's website (please see the modules web pages).
21.	**PRIORITY MODULES**	There are no priority modules ('propedeuticità' in Italian), i.e. there is no specific order in which modules should be taken.
22.	**REQUIREMETS FOR ENROLMENT IN SUBSEQUENTUENT YEARS**	There are no requirements for enrolment in subsequent years ('sbarramento' in Italian).
23.	**ELECTIVE MODULES AND ACTIVITIES (TYPE D)**	8 CFU are allocated to elective activities (Type "D"). These include courses offered at the University of Verona or periods of professional internships/training. When selecting Type D activities, students should keep in mind that, during the approval process by the Student Affairs Committee, consideration will be given to the consistency of their choices with the educational objectives of their study plan and the adequacy of any provided motivations. For more detailed information, please refer to the specific page on the institutional website.
24.	**ADDITIONAL TRAINING ACTIVITIES (F), INTERNSHIPS, WORK PLACEMENT, ETC**	**6 CFU are allocated to other educational activities (Type "F")** and may include periods of professional internships/training, additional language skills, seminar activities, or other courses. The professional internship/training activities are initially agreed upon and subsequently certified by the academic tutor. For more detailed information, please refer to the specific page on the institutional website under "Internships and Traineeships Service." The course will be taught in English; therefore, foreign students are required to acquire 3 CFU in Italian language proficiency at the B2 level as part of the 6 CFU in "Additional Educational Activities.
25.	**TRANSVERSAL/SOFT SKILS**	These educational paths are designed to develop transversal skills that are valuable both from a personal and professional standpoint as well as for civic engagement. They are promoted by the University's Teaching and Learning Center, where all the necessary information for enrollment is published on their webpage.
26.	**INDIVIDUAL STUDY PLAN**	It is possible, upon request, to obtain the degree according to an individual study plan that includes training activities different from those provided in the academic regulations, as long as they are consistent with the educational framework of the study program for the academic year of enrollment. The application for an individual study plan is reviewed by the competent educational structure, which evaluates its coherence.
27.	**ATTENDANCE**	Non-mandatory

28.	**TUTORING FOR STUDENTS**	To guide and assist students throughout their entire educational journey, certain faculty members are assigned tutoring duties. Additionally, a tutoring service is established, carried out by senior students already enrolled at the University, who share their university experience to support incoming freshmen and fellow students.
29.	**TRANSFER FROM ANOTHER DEGREE PROGRAMME/FROM ANOTHER UNIVERSITY**	Transfer from another degree" refers to the change of study program within the University of Verona (internal transfer). The "transfer from another university" refers to the case where students move to the University of Verona from another university. For specific timing details, please refer to the Academic Calendar.
30.	**RECOGNITION OF PRIOR LEARNING**	It is the evaluation of the previous study path for the purposes of an internal transfer, an incoming transfer, or withdrawal from studies, through the partial or total recognition of previously acquired CFU, depending on the correspondence between the two study programs. Recognition of Previous Academic Career
31.	**EXAM ROUNDS**	Exam sessions begin at the end of each lecture period. There are three exam sessions and four exam dates per academic year, in addition to any interim assessments.
32.	**PART TIME**	Students may opt for part-time (or 'part-time') enrolment. The part-time option does not change the 'normal duration of the course' for the redemption of years for pension purposes. The certificates will therefore indicate 'normal duration of the course', which is valid for legal purposes, and 'agreed duration of the course', which concerns the teaching organisation of the course itself. Part time
33.	**FLEXIBLE STUDENT PATHWAYS**	Career management takes into account the specific needs of certain categories of students. **Disability, specific learning disorders (SLD), and special educational needs (BES):** With particular attention to disability and specific learning disorders (SLD), the course of study and the dedicated structure pursue the university inclusion of students with disabilities and specific learning disorders. To this end, it promotes the removal of material and immaterial obstacles that prevent full inclusion and also promotes the adoption of shared accommodations for participation in lessons, exams, and other educational activities and, in general, for participation in university community life, in compliance with the applicable regulations and without prejudice to the teaching autonomy of the faculty. In particular, the course of study promotes accessibility to facilities and teaching materials and encourages the use of distance learning methods, both synchronous and asynchronous, to meet the specific needs of students with disabilities or specific learning disorders. Within the limits of the applicable regulations, it promotes the university inclusion of students with special educational needs. **Part-time enrollment:** The part-time regime exclusively regulates the duration of the university career and the related economic burdens, allowing the degree to be obtained without falling into the condition of being off course for twice the normal duration of the course itself. **Enrollment in individual courses:** It is possible to attend individual courses within the bachelor's and master's degree programs for one academic year and take the related exams, receiving regular certification, including the indication of the credits (CFUs) obtained. **Student-athlete:** Students with significant competitive sports merits can access the career of a student-athlete. Annually, a specific notice outlines the requirements for access and permanence of student-athletes in the dual career path, allowing them to successfully complete an academic career in combination with their sports career.
34.	**FINAL EXAMINATION**	The educational activities related to the preparation of the final examination for the degree consist of the preparation and discussion of a written thesis in English. This thesis involves an in-depth study of a scientific topic covered during the course of study, or the analysis and solution of a case study (theoretical and/or directly derived from an industrial problem), or experimental work, which can also be developed as part of an internship carried out at research institutions, schools, laboratories, and companies, or through study stays in Italy and abroad, or as the result of independent and original research, incorporating elements of mathematical formalization, computer design, and business-

		oriented implementation. These activities will be carried out under the supervision of an advisor, either within a university structure or externally, both in Italy and abroad, provided that the external institution is recognized and accepted for this purpose in accordance with the academic regulations of the Master's Degree in Data Science. The final examination is allocated 21 credits. The committee responsible for evaluating the final examination is tasked with expressing a judgment that takes into account the entire course of study. The committee will carefully evaluate the consistency between the educational and professional objectives, as well as the student's ability for autonomous intellectual elaboration, critical thinking, communication skills, and overall cultural maturity, particularly in relation to the thesis topic within the Master's Degree in Data Science. Students may take the final examination only after fulfilling all other educational requirements in their study plan and completing the necessary administrative procedures in accordance with the deadlines outlined in the general study guide. The final evaluation and degree conferral will be conducted by the final examination committee, appointed by the chair of the Teaching Board and consisting of a chairperson and at least four other members selected from the university faculty. The materials submitted for the final examination are assessed by the Thesis Evaluation Committee, which is composed of three faculty members, possibly including the thesis advisor, and appointed by the chair of the Teaching Board. The Thesis Evaluation Committee will provide an assessment of the work and forward it to the final examination committee, which will deliver the final judgment. The Teaching Board regulates the procedures of the Thesis Evaluation Committee, the final examination committee, and the assignment of the final examination score through specific regulations approved by the Teaching Board.
35.	ADDITIONAL INFORMATION	**Teaching Board and Teaching Board Committees**. The management of the study program is entrusted to the Teaching Board of Mathematics and Data Science, which is part of the Department of Computer Science. The Board organizes and coordinates the teaching and educational activities of the related study programs, formulates proposals, and provides opinions on changes related to the study program. The Teaching Board establishes within itself the Student Affairs Committee, responsible for handling student-related matters within the competence of the Teaching Board. The Board annually appoints the AQ (Quality Assurance) Committee, responsible for the preparation of the SUA-CDS (Annual Course Review), the Annual Monitoring Reports, and the Cyclical Review. **Academic Calendar**. Educational activities are organized according to a semester system: the two teaching periods usually run from October to January and from March to June. Before the start of each academic year, the Teaching Board determines the allocation of courses within the semesters. For each academic year, the academic calendar proposed by the Teaching Board is approved and published on the study program's website. Exam sessions begin at the end of each teaching period. There are at least three graduation sessions scheduled. This regulation takes precedence in the event of any discrepancies with what is reported on the study program's web pages.