



UNIVERSITÀ
di **VERONA**

Master's degree programme in

Mathematics

LM-40 Class of Master's Degrees in Mathematics

**DEGREE PROGRAMME
DESCRIPTION AND REGULATIONS**

(ANNUAL FACT SHEET - SUA-CdS, B1 section)

A. Y. 2024/25

YEAR OF ENROLMENT: 2024/25

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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. Francesca Mantese. 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 HOUR	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 Teaching activities are coordinated and supervised by the Mathematics Teaching Committee, body of the School of Sciences and Engineering.
9.	CURRICULUM	Applied Mathematics - Mathematics for Education
10.	LANGUAGE	English
11.	TEACHING MODE	In-Person lectures
12.	TEACHING MODULES	The student is entitled to use any teaching materials provided for the course. If the instructor has activated the Moodle e-learning platform, the materials contained therein remain available to students for a number of years equal to, at most, the normal duration of the study program. If the instructor has provided video recordings of the lessons, the videos remain available to students on the Panopto platform for the current and previous academic year.
13.	ADMISSION	No admission Test required
14.	REQUIRED ENTRY QUALIFICATIONS	Laurea (three-year Bachelor's degree), or other qualification gained abroad and recognised as suitable.
15.	SUBJECT REQUIREMENTS AND PERSONAL PREPARATION	For further information, please see the relevant web page
16.	ENROLMENT	For information about how to apply, please see the relevant web page

17.	CFU CREDITIS	<p>As a general rule, one CFU credit equates to 25 hours of learning time. Depending on the type of teaching activity the CFU/hour ratio will be as follows:</p> <ul style="list-style-type: none"> • lectures: 8 hours = 1 CFU; • practicals/laboratory activities: 12 hours = 1 CFU; • internship/professional traineeship: 25 hours = 1 CFU. <p>‘Type C’ modules include experimental teaching activities based on the teaching scheme of the <i>Reading courses</i> (UK) or the <i>Seminare/Oberseminare</i> (Germany), widely recognised at European level. These modules, also known as <i>seminar modules</i>, include 6 CFU each and may consist of lectures held by foreign guest professors invited as part of the <i>internationalisation project</i> of the LM-40 degree class. A lecturer from the University of Verona is usually appointed as Coordinator or Supervisor for these modules, with a teaching workload of 1 CFU.</p>
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MODULES		
18.	STUDY PLAN	<p>The Study Plan includes the modules and other educational activities to be attended in the two-year degree programme.</p> <p>For further information, please see the degree programme web page.</p>
19.	MODULES PER ACADEMIC YEAR	<p>A list of the modules available in the relevant academic year, listed by academic year and year of enrolment, can be found here.</p>

PROGRAMME REGULATIONS		
20.	ASSESSMENT METHODS	<p>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).</p>
21.	PRIORITY MODULES	<p>There are no priority modules (‘propedeuticit�’ in Italian), i.e. there is no specific order in which modules should be taken.</p>
22.	REQUIREMENTS FOR ENROLMENT IN SUBSEQUENT YEARS	<p>There are no requirements for enrolment in subsequent years (‘sbarramento’ in Italian).</p>
23.	CHOOSING YOUR CURRICULUM	<p>At the time of enrolment, students are required to choose between the two curricula available:</p> <ul style="list-style-type: none"> - Applied Mathematics - Mathematics for Education <p>For each curriculum chosen, students will have to take both mandatory and elective modules. Based on the student’s choice, the resulting study plan will be approved if in line with the relevant teaching regulations. Students will be allowed to change curriculum by the deadlines set out each year.</p>
24.	ELECTIVE MODULES AND ACTIVITIES (TYPE D)	<p>12 CFU are awarded upon completion of the activities chosen by the student (‘Type D’). These activities are to be chosen among the training activities at Master’s degree level provided or approved by the University.</p>

		When choosing ‘Type D’ modules and activities, students should be aware that only activities that are in line with their study plan will be approved. The student’s choice should also be supported by adequate personal motivation. A non-exhaustive list of ‘Type D’ activities can be found on the relevant web page .
25.	ADDITIONAL TRAINING ACTIVITIES (F), INTERNSHIPS, WORK PLACEMENT, ETC	4 CFU credits are awarded for additional ‘Type F’ activities , that may include seminars, short courses, activities aimed at improving further language (e.g. Italian language courses for international students) or IT-related skills, internships/professional traineeships, activities aimed at enhancing the student’s knowledge of the world of work. Internships/professional traineeships must be agreed in advance and validated by the student’s tutor. In addition, the degree programme promotes the acquisition of transversal/soft skills aimed at complementing the training of the students, and skills useful for their entry into the world of work. Specifically, this will be done by awarding CFU university credits to students who complete courses offered by the University or other institutions on these matters.
26.	TRANSVERSAL/SOFT SKILLS	The Teaching and Learning Center at the University of Verona offers courses aimed at acquiring transversal/soft skills, which can be useful in many contexts: from the personal and working sphere to civic engagement. For information about how to apply, see the relevant web page .
27.	HOW TO SUBMIT YOUR INDIVIDUAL STUDY PLAN	The study plan must be completed and submitted online through a procedure by which the student selects the modules they would like to attend as part of their degree programme and in line with the chosen curriculum. Study plan .
28.	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.
29.	ATTENDANCE	Except for specific practicals, attendance is not mandatory. For these activities, the number of hours that must be attended on-site is indicated in each module web page.
30.	TUTORING FOR STUDENTS	In order to guide and assist students throughout their studies, some lecturers are entrusted with tutoring tasks. Moreover, it is available a tutoring service run by enrolled senior students who offer their University life experience to prospective and current students.
31.	TRANSFER FROM ANOTHER DEGREE PROGRAMME/FROM ANOTHER UNIVERSITY	Students may transfer to this degree programme from another degree programme taught at the University of Verona (passaggio, in Italian) or from another University (trasferimento). Transfer from another Degree programme Transfer from another University
32.	RECOGNITION OF PRIOR LEARNING	Recognition of prior learning is the evaluation of a degree, or previous university experience, through the partial or total recognition of credits, depending on the correspondence between the two programmes in question. Recognition of prior learning
33.	RECOGNITION FOR DUAL ENROLLMENT	Students enrolled simultaneously in two different study programs can request the recognition of credits acquired in the other study program they are enrolled in, up to a maximum of one-third of the total credits required by the study program for which recognition is requested.
34.	EXAM ROUNDS	Three exam sessions are held each academic year, and each session has two exam rounds that are delivered at least 2 weeks apart, in addition to interim tests throughout the year. The individual lecturer may schedule additional exam rounds in exceptional cases.
35.	FLEXIBLE STUDENT PATHWAYS	The management of academic careers takes into account the specific needs of certain categories of students Disabilities, specific learning disorders (SLD), and special educational needs (SEN):

		<p>With particular attention to disabilities and specific learning disorders (SLD), the study program 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 hinder 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 the life of the university community, in compliance with the applicable regulations and without prejudice to the teaching autonomy of the instructors. In particular, the study program facilitates accessibility to facilities and teaching materials and promotes the use of synchronous or asynchronous distance learning methods to meet the specific needs expressed by 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.</p> <p>Part-time enrollment (or "reduced-time"): The part-time regime regulates exclusively the duration of the university career and the related economic burdens and allows obtaining the degree without falling into the status of out-of-course, for double the normal duration of the course itself.</p> <p>Enrollment in single courses: It is possible to attend individual courses offered within the undergraduate and graduate programs for one academic year and take the related exams, receiving a regular certificate that includes the indication of the acquired CFU (University Credits).</p> <p>Student-athlete: Those with significant competitive sports merits can access the student-athlete career. Annually, a specific notice governs the access and retention requirements for student-athletes for the dual career path, to enable them to successfully complete an academic career in combination with their sports career.</p>
36.	FINAL EXAMINATION	<p>Upon completion of the Master's degree dissertation students are awarded 32 CFU. The final examination consists of a written dissertation on a specific topic agreed with a supervising professor and presented to a commission (Dissertation Committee).</p> <p>The dissertation can be high-level theoretical or experimental (in the latter case, it may focus on either basic or applied research), it can deal with a theoretical topic or propose the resolution of a specific problem, or description of a work project, and may be carried out at universities, research institutions, schools, laboratories and companies in the framework of internships, traineeships, study stays in Italy and abroad. The dissertation must be original and written by the student under the guidance of a Supervisor. At the request of the student, the dissertation may be written and presented in Italian.</p> <p>Professors belonging to the Mathematics Teaching Committee, the Department of Computer Science, and any associated departments may be appointed as Supervisors, as well as any professors from the University of Verona whose area of interest (SSD - Scientific-disciplinary Sector) is included in the teaching regulations of the degree programme.</p> <p>Students may take the final exam only if meeting all requirements set by the School of Sciences and Engineering.</p> <p>The Master's degree in Mathematics is obtained by successfully passing the final examination and thus earning the 120 CFU included in the study plan.</p> <p>The material submitted by the student for the final examination will be examined by the Dissertation Committee, which comprises three professors, possibly including the Supervisor, and appointed by the President of the Teaching Committee. The final examination will be assessed based on the following criteria: the student's performance during the entire study programme, the knowledge acquired during the dissertation work, their understanding of the topic and autonomy of judgment, their ability to apply such knowledge, and communicate effectively and fully all the outcomes of the work and the main results obtained.</p>

		<p>The final examination and the degree ceremony will be carried out, in one of the four graduation sessions throughout the academic year, by the Final Examination Committee appointed by the President of the Teaching Committee, and made up of a president and at least four members chosen from among the professors of the University.</p> <p>For further information, please refer to the Final examination regulations.</p>
37.	ADDITIONAL INFORMATION	<p>Teaching Committee and Committees of the Teaching Committee The Teaching Committee organizes and coordinates the teaching and educational activities of the study programs under its jurisdiction and formulates proposals and opinions regarding modifications related to the study program. The Teaching Committee establishes within itself the Student Affairs Committee, responsible for handling student matters within the competence of the Teaching Committee. The Teaching Committee identifies the course coordinator and the Quality Assurance (QA) committee, responsible for preparing the program's Annual Single Report (SUA), the Annual Monitoring Reports, and the Cyclical Review. Additionally, it appoints the Tutoring Committee.</p> <p>Accademic calendar. The educational activities are organized according to a semester system: the two teaching periods are usually from October to January and from March to June. Before the start of each academic year, the Teaching Committee determines the allocation of courses in the semesters. For each academic year, the academic calendar, proposed by the Teaching Committee, is approved and published on the study program's website.</p> <p>Double degree The Teaching Committee has established a double degree programme with:</p> <ul style="list-style-type: none"> - Institute Polytechnique De Grenoble - Université Bourgogne Franche-Comtè (UBFC) - Universitat Stuttgart <p>These regulations shall prevail in the event of any discrepancies with what is reported on the degree programme web pages.</p> <p>Postgraduate Training Pathways Graduates holding a Master's degree in Mathematics have access to second-level Professional Master's programmes and national and international PhD programmes. A PhD in Mathematics, established through an agreement between the Universities of Verona and Trento, is currently available. For further information, please refer to the dedicated web page.</p>