

UNIVERSITA' DEGLI STUDI DI GENOVA
EDUCATIONAL AREA, STUDENT SERVICES, ORIENTATION AND INTERNATIONALIZATION
HIGH EDUCATION SERVICE

Art. 1

General Rules

The Academic Master Degree ("Master Universitario di II livello") "International Master in Implantology and Prosthodontics" - 1st edition is activated for the academic year 2024/2025 at the Department of Surgical Sciences and Integrated Diagnostics (DISC) of the University of Genoa. (UNIGE)

Art. 2

Course Purpose

Objectives: This academic master degree intends to offer comprehensive training on all aspects of implantology, bone volume augmentations and implant-based prosthodontics with digital and conventional technology. In particular, the diagnosis, management and treatment of missing or compromised teeth using prosthetic techniques supported by dental implants will be addressed. Furthermore, students will be instructed in the diagnostic procedures and laboratory techniques that contribute to clinical success. The course intends to provide theoretical and clinical knowledge, with live video projection of surgical interventions and prosthetic procedures on patients performed by expert clinical tutors. Great importance will be given to preclinical practical activity, which will focus on modern approaches to dental implantology, including software and digital surgical-prosthetic planning for aesthetic treatments. The master's degree also intends to provide a scientific methodological approach for the review and correct interpretation of scientific literature, instructing students in the practice of evidence-based dentistry.

Name of the professional figure to be trained: Dentists

Recipients of the training action: Surgeons with a Specialization in Dentistry and Dentists who are able to use the most modern surgical and prosthetic techniques for implant-supported rehabilitation in their professional offices or in public facilities.

Educational objectives and expected learning outcomes: The Master's degree aims, through theoretical lessons and practical exercises on simulators and anatomical preparations, to make the participant acquire specific skills and clinical manual ability on modern techniques and materials used in dental implantology. Particular emphasis will be placed on the diagnosis and rehabilitation of patients with partially or completely edentulous arches and on modern techniques and technologies to address this clinical situation. The course includes participation in classroom teaching activities, including lectures and practical exercises, managed by professors from European universities.

Training needs addressed by the project and expected career opportunities: The course allows you to deepen and develop knowledge, skills and abilities in the field of advanced implantology techniques, in particular in the execution of correct treatment plans and associated therapies. In particular, specific surgical techniques used in Dentistry are explored in depth and advanced prosthodontic techniques are illustrated to improve the aesthetics of the smile and the masticatory function of the patients treated. This course allows you to meet training needs relating to topics that are not fully developed within the training path of the Degree Course in Dentistry and Dental Prosthetics since these are advanced contents that require post-graduate study by dentists who have already developed a sufficient degree of clinical experience and a

surgical and prosthetic learning curve. The skills acquired by the students of the master course may be used in the dental practice carried out in public and private institutions allowing them to respond to the increasingly high functional and aesthetic demands of patients, in particular with regard to fixed prosthetic rehabilitation, compared to traditional removable prosthesis.

Art. 3

Characteristics of the Course and Teaching Organization

The Master lasts 3000 hours (theory, practice, internships) equal to 24 months and takes place starting from June 2025.

The course is attributed 120 CFU.

Attendance at the Master is mandatory.

Percentage of absences allowed: 25%.

Language of instruction and assessment of profit: English

Name in English: International Master in Implantology and Prosthodontics

Total cost of the Master: € 15,282.00, including stamp duty (€ 16.00 + € 16.00) and the university contribution decided by the University for the academic year 2024/2025 (€ 250.00).

Teaching structure: The general program and the subjects is reported in Annex 1 which is an integral part of this announcement.

Type of intermediate tests: At the end of each module, learning will be verified with self-assessment tests. A multiple-choice questionnaire at the beginning of the course will assess the teaching expectations of the participants. During the course, a multiple-choice evaluation questionnaire will allow the quality of the teaching provided to be assessed. At the end of the course, before the final thesis, the preparation of each participant will be assessed through the presentation and discussion of a clinical case.

Type of final exam: At the end of the Master, the presentation and discussion of a final thesis is expected.

Quality monitoring and evaluation systems that will be used, described in detail:

The quality of the teaching activity will be evaluated through anonymous evaluation forms submitted for completion by the participants in the Master Course at the end of each four-month period. The forms will allow the evaluation of the quality perceived by the participants, taking into consideration the following indicators: relevance of the topics covered, educational/updating quality provided, effectiveness of the course for the training of the participants, quality of the organization of the Master Course. The participants will provide their evaluation by choosing between 5 possible judgments for each indicator. There will also be room for the possibility of additional comments.

Teaching activity venue: DISC (Department of Integrated Surgical and Diagnostic Sciences), University of Genoa, IRCCS SAN MARTINO-IST University Hospital, Pavilion 4 - Largo R. Benzi 10 – Genoa.

Art. 4

Management Committee and the President

President Prof. Maria Menini

Unige members of the Management Committee: Prof. Maria Menini, Prof. Paolo Pesce, Prof. Domenico Baldi, Prof. Luigi Canullo

Unige structure entrusted with the administrative, organizational and financial management of the Master: Department of Integrated Surgical and Diagnostic Sciences (DISC), Largo Rosanna Benzi 8 - 16132 Genoa.

Representative of the structure entrusted with administrative and organizational management: Dr. Simona Simonotto, email: simona.simonotto@unige.it

Secretariat Contact: Mr. Simone Ceniviva, email: simone.ceniviva@unige.it

Teaching and Tutoring Contact: Prof. Maria Menini, tel. 0103537421, email maria.menini@unige.it; Prof. Paolo Pesce, tel. 0103537421, fax 0103537402, email paolo.pesce@unige.it.

Art. 5

Access Methods

A maximum of 20 students are admitted to the course (the minimum number for activation is 8 students).

Qualifications required:

- Degree in Dentistry and Dental Prosthetics (LM-46) or Specialist Degree in Dentistry and Dental Prosthetics (class 52/S) or other equivalent qualification
- Degree in Medicine (LM-41) or Specialist Degree in Medicine (46/S) or other equivalent qualification + Specialization in Dentistry

Other requirements: Good knowledge of the English language.

Admission will be subject to an evaluation of the qualifications held at the time of the application deadline, as per art. 6.

In the event that the number of applications for participation in the Course is greater than the number of places available, admission to the course will be based on a ranking drawn up following an evaluation procedure for qualifications. The Management Committee will evaluate the qualifications by assigning up to a maximum of 30 points based on the following evaluation criteria:

- Degree or specialist degree grade: max 10 points
- Master's diploma: max 5 points
- Advanced training and/or refresher courses: max 5 points
- Scientific publications: max 10 points

In the event of equal merit, preference will be given to the youngest.

Art. 6

Submission of applications

The application for admission to the competition must be submitted using the online procedure available at <https://servizionline.unige.it/studenti/post-laurea/master>, by **12:00 (noon) on February 3, 2025**. The date of submission of the application to participate in the competition is certified by the computer system which, upon expiry of the deadline for submission, will no longer allow access and submission of the application.

In the application, the candidate must self-certify under his/her own responsibility, under penalty of exclusion from the competition:

- surname and name, tax code, date and place of birth, residence, telephone number and the address chosen for the purposes of the competition. As regards foreign citizens, it is required to indicate an Italian address or that of their Embassy in Italy, chosen as their domicile. The indication of the tax code may be omitted if the foreign citizen does not have one, highlighting this circumstance;
- citizenship;
- type and name of the degree held with the indication of the date, grade and University where

it was obtained or the equivalent qualification obtained from a foreign University as well as the details of any provision with which the equivalence was declared or the application for request for equivalence for the sole purposes of the competition.

The following must be attached to the application for admission to the master's degree, using the online procedure:

1. identity document;
2. curriculum vitae;
3. self-certification regarding the truthfulness of the declarations made and the authenticity of the documents attached to the application. This declaration must be made using the form available on the web page of the online procedure, which must be printed, filled out and signed by the interested party and attached via the online procedure.

All attachments must be inserted in PDF format (the size of each PDF must not exceed 2 Megabytes).

In the case of a qualification obtained abroad, if the qualification has not already been recognized as equivalent, the interested party must request its equivalence for the sole purposes of the competition, attaching the following documents to the application:

- qualification translated and legalized by the competent Italian diplomatic or consular representation of the country in which the qualification was obtained;
- "declaration of value" of the qualification issued by the same representation.

The equivalence provision will be adopted for the sole purpose of admission to the competition and enrollment in the course.

In the event that the competent Italian diplomatic or consular representation has not issued such documentation in time for the submission of the application for admission, it is necessary to attach all the available documentation to the application.

Any equivalence provision will be adopted under the condition that the legalized translation and the "declaration of value" are submitted within the deadline set for enrollment in the courses by the admitted candidates.

The issuing of the aforementioned documentation and any residence permit for attending the course to foreign citizens is governed by the provisions of the Ministry of University and Research relating to the procedures for access of foreign students requesting visas to higher education courses for the academic year 2024/2025.

In accordance with the Presidential Decree of 28 December 2000, n. 445, the declarations made in the application for admission, in the case of false documents and false declarations, the criminal sanctions provided for by art. 76 of the above-mentioned decree no. 445/2000 apply. In cases where the legislation on substitute declarations is not applicable (Presidential Decree no. 445/2000 and subsequent amendments), the candidate assumes liability (civil, administrative and criminal) for the declarations made.

The Administration reserves the right to carry out the checks and verifications required by the provisions in force. Candidates who make false declarations will automatically lose their enrollment, without prejudice to the application of further administrative and/or criminal sanctions provided for by the regulations in force.

The University Administration assumes no responsibility for the case of loss of communications due to inaccurate indications of residence and address by the candidate or failure or late communication of changes to the same, nor for any postal or telegraphic errors not attributable to the fault of the Administration itself.

The possible admission test will take place on February 6, 2025 at 12:00 in the manner communicated on the website www.disc.unige.it and via e-mail to candidates.

The ranking for admission to the master's degree will be published on February 10, 2025. Candidates who do not include all the required information in the application will be excluded from the tests.

The University may adopt, even after the completion of the competition, exclusion measures against candidates who do not meet the requirements.

Art. 7

Completing registration

Candidates admitted to the Master must complete their registration by March 3, 2025

through the online procedure by connecting to the page <https://servizionline.unige.it/studenti/post-laurea> by clicking on "Conferme iscrizione postlaurea" and choosing the Master whose registration must be confirmed.

The following documents must be attached to the online confirmation:

1. a passport-sized color photograph in JPG format with dimensions no larger than 50Kb;
2. receipt proving payment of the amount of **€ 6,282.00**, including stamps (€16.00 + €16.00) and the university contribution approved by the University Bodies for the academic year 2024/2025 (€250.00).

The payment can be made online using the pagoPA service or using the services offered by Banca Popolare di Sondrio, the cashier institution of the University of Genoa.

Please note: Payment of the university contribution alone does not constitute enrollment in the Master.

After enrollment, foreign citizens who do not yet have an Italian tax code are required to obtain it by contacting the Teaching Area, Student Services, Orientation and Internationalization - Internationalization Service - Welcome office Sector - Reception of international students and users: Telephone: (+39) 010 20951525, E-mail: sass@unige.it.

Pursuant to art. 8 paragraph 5 of the University Regulations for Students, issued with D.R. 641 of 9 February 2023 published in the University electronic notice board on 9 February 2023, "the enrolled student is not entitled to a refund of the student contribution paid, even if he or she interrupts his or her studies or transfers to another University, without prejudice to the provisions of the regulation on student contributions and university benefits and the resolutions of the Regional Agency for the right to university education. Candidates who have not registered by the above-mentioned deadline are in fact considered to have withdrawn.

The payment of the II and III installments must be made according to the methods mentioned above:

II installment € 4,500.00 by December 10, 2025.

III installment € 4,500.00 by June 10, 2026.

Art. 8

Award of the Degree

At the end of the course, those enrolled who, in the opinion of the Management Committee, have successfully passed the final exam, will be awarded the II level University Master's degree in "International Master in Implantology and Prosthodontics" as provided for by art. 19 of the Regulations for Advanced Training, Professional Refresher and Training Courses and for first and second level University Master's courses.

Art. 9

Processing of personal data

With reference to the provisions of EU Regulation 2016/679 (GDPR - General Data Protection Regulation) and Legislative Decree 30 June 2003, n. 196 "Personal Data Protection Code" concerning the protection of individuals and other subjects with respect to the processing of personal data, the personal data provided by candidates are collected at the University of Genoa for the purposes of managing the competition and are also processed in an automated form. The processing of the same, for those admitted to the course, will continue even after enrollment for the purposes related to the management of the university career.

The provision of such data is mandatory for the purposes of evaluating the participation requirements, under penalty of exclusion from the competition.

The information provided may be communicated only to public administrations directly interested in the university position of the candidates or in the conduct of the competition.

The interested parties are holders of the rights referred to in articles. 16, 17, 18, 19 and 21 of Regulation (EU) 2016/679, including the right to access data concerning them, as well as some complementary rights including the right to rectify, update, complete or delete incorrect, incomplete or data collected in a manner that does not comply with the law, as well as the right to object to their processing for legitimate reasons.

These rights may be asserted against the University of Genoa - Via Balbi, 5 - 16126 Genoa -
Legal representative: Rector Prof. Federico Delfino.

Responsible of the procedure: Mrs. Marianna Modica

For information on administrative procedures: Email: carrieremaster@unige.it

For information on teaching: Email: maria.menini@unige.it; paolo.pesce@unige.it

ALLEGATO 1

Piano didattico

Modulo	SSD	CFU
LEARNING OUTCOMES		
1 Foundations of dental implantology	BIO 16 MED 28	2
Topics: <ul style="list-style-type: none"> Anatomical aspects of significant interest in implant-prosthetic procedures, anatomy of the upper and lower jaw, jaw atrophy Histology of bone tissue, osseointegration process, behavior of bone tissue in response to applied loads, bone tissue healing processes. 		
1 Foundations of dental implantology	MED 28	16
Topics: <ul style="list-style-type: none"> Overview of the history and development of dental implantology Risk factors in implant dentistry Clinical case analysis Periodontal aspects in implantology: implants in PCP and soft tissues evaluation Wound healing: bone, soft tissue; wound healing defects Hard tissues grafting: indications, techniques, bone replacement materials; membranes Patient evaluation: anamnesis, absolute/relative contraindications, risk factors Tooth rehabilitation (endodontics/periodontics) or extraction. Oral diagnostics and treatment planning Indication to implant rehabilitation; classification of implant rehabilitations; guidelines Oral hygiene and pre-prosthesis treatment (periodontal / tooth rehabilitation) Clinical bite and function analysis, occlusion, TMJ, TMD Diagnostic imaging (x-rays, CT) 3-D bone analysis (standard, CT supported, digital surgical and prosthetic planning) <ul style="list-style-type: none"> Wax-up/set-up, involvement of dental lab 		
1 Foundations of dental implantology	MED01 MED 28	2
Topics: <ul style="list-style-type: none"> Methods of scientific work Evidence Based Dentistry Types of clinical and preclinical scientific studies, primary and secondary studies, identification of biases Literature research via electronic media Aims The first unit aims to provide the knowledge about the indications and the contraindications to the implant placement. Emphasis will be given to the periodontal disease as risk factors to the implant therapy. Surgical anatomy and bone / soft tissues biology will be covered throughout the unit, as well as all the diagnostic tools including 2D and 3D imaging and study.		
2 Basic Implantology	MED 28	20
Topics: <ul style="list-style-type: none"> Standard positioning templates, computer assisted guided surgery Preparation to the surgery: <ul style="list-style-type: none"> Required instruments and equipment Hygiene regulations and their implementation Dental unit, patient and team preparation Anesthetic and medications Postoperative treatment Immediate and early postoperative complications Implant systems <ul style="list-style-type: none"> Implant design (macrostructure) Implant surfaces (microstructure) Dental implant connection and abutments Standard surgical procedures <ul style="list-style-type: none"> Flap design, transfer of implant position, flapless surgery Standard technique of implant site preparation Alternative tools for the implant site preparation Piezosurgery 		

<ul style="list-style-type: none"> • Healing periods, timing for implant rehabilitation (early, late, immediate loading) • Suturing techniques <p>Aims The unit aims to provide the knowledge on the general principles of oral surgery and implant insertion to reduce the complication rate as well as to the pharmacology relevant to implantology. The section of dental implant materials will be also covered combined with the conventional and basic implant placement.</p>		
3 Advanced surgical techniques	MED 28	20
<p>Topics:</p> <ul style="list-style-type: none"> • Bone augmentation using synthetic, xenogenous, allogenuous materials • Bone augmentation using oral autogenous bone (block, particulate) • Membranes: materials and techniques (resorbable and not resorbable membranes) • Maxillary sinus augmentation • Treatment options of severely reabsorbed maxilla and mandible • Soft tissue management • Pedicle flap, soft tissue transplants • Free connective tissue transplants • Free epithelial/connective graft • Vestibulum reconstruction <p>Aims The unit aims to provide the foundations on the advanced surgical procedures required for the implant placement in case of bone atrophy. A wide description of the surgical techniques as well as of all the biomaterials available will be given.</p>		
4 Aftercare (postoperative treatment) / management of complications	MED 28	20
<p>Topics:</p> <ul style="list-style-type: none"> • Documentation and recall • Statistics: success and survival rates, failure rates • Mucositis and peri-implantitis: diagnosis and treatment • Laser therapy for the management <p>Methods of scientific work (I)</p> <ul style="list-style-type: none"> • Literature research via electronic media <p>Introduction to preparation of Master's thesis</p> <p>Hands on</p> <p>Aims The unit aims to provide all the foundations to the long-term survival rate and success rate of dental implants. The most modern approaches for the treatment of mucositis and perimplantitis will be discussed and analyzed.</p>		
5. Basic prosthodontic treatments	MED 28	20
<p>Topics:</p> <ul style="list-style-type: none"> • Temporary treatments • Management of emergence profiles • Taking of impressions, registration, fabrication of models, articulator • Prosthodontic workflow with conventional and digital tools • Choice of abutment and individualization • Occlusal anatomy and occlusal load • Dental laboratory workflow • Restorative materials selection <p>Aims The unit aims to give the foundations on the prosthodontic tools starting from the basic analogic impression technique up to modern digital technologies. Importance will be given to creation of the emergence profile which ensures the long-term stability of the implant restoration and peri-implant tissues. A laboratory technical session will be also given to understand the workflow of the different restoration types.</p>		
6 Advanced and complex cases	MED 28	6
<p>Topics:</p> <ul style="list-style-type: none"> • Immediate loading and immediate restorations • Aesthetic area management – digital smile design (DSD) • Full-arch rehabilitations • Materials selection <p>Aims The unit will cover the most modern technologies for the aesthetic smile design and the concepts of functional and not-functional immediate loading restorations for full mouth rehabilitations.</p>		
7 Clinical case presentation	MED 28	4

Topics: <ul style="list-style-type: none"> Detailed guidelines for case presentation and photography will be provided. Photographic documentation and written descriptions of clinical cases will be submitted online, using a pre-formatted template file for assessment purposes. Minimum requirements - images will include before, after and significant steps during the treatment to portray the use of the chosen technique. 		
Aims The outreach of the degree is determined as a qualified level of competence in both theoretical and practical aspects of implant dentistry and implant prosthodontics. The Master diploma level shall be the submission and discussion of 1 (one) case study in a chosen implant treatment. A formatted template shall enable a standardized approach to clinical case submission. Submission of clinical case shall be in hard copy and digitalized formats.		
8 Thesis	MED 28	10
Aims The dissertation is the final element of the MSc course. Each student shall be required to submit and discuss a final thesis. A member of the faculty shall be assigned to the candidate, depending on the chosen area of the thesis. This mentor shall be responsible for guiding the student through thesis development, writing and presentation process (as per university current guidelines).		
Totale		120

ATTIVITÀ	N. ORE	CFU
Lezioni	628	25,12
Studio individuale	2102	84,08
Verifica apprendimento	270	10,8
TOTALE	3000	120