



UNIVERSITA' DEGLI STUDI DI GENOVA
AREA DIDATTICA E INTERNAZIONALIZZAZIONE
SERVIZIO SEGRETERIE STUDENTI

Academic Master Degree in Advanced Aesthetic and Restorative Dentistry

The Rector

- Given the Law May 15th 1997, n. 127, published in the ordinary supplement to the official journal n. 113 of May 17th 1997 and subsequent amendments, regarding urgent measures for the streamlining of administrative activities and procedures on decision and control;
- Given the Decree of the Minister of Universities and of the Scientific and Technological Research of October 22nd 2004 No. 270 "Amendments to the regulation containing rules concerning the educational autonomy of the universities, approved by decree of the Minister of University and of the Scientific and Technological Research November 3rd 1999, n. 509 "and in particular the art. 3, paragraph 9;
- Given the Regulations for Specialization Courses, Professional Upgrading and Continuous Education and courses for first and second level University Masters of the Università degli Studi di Genova issued with Rectoral Decree n. 551 of February 10th 2015;
- Given the Regulations about research and consultancy contracts, research agreements for third parties as well as the procedure for the assignment of internal assignments paid to the professors issued with Rectoral Decree No. 1551 of May 5th 2017;
- Given the provisions of the Ministry of University and Research of February 28th 2017 relating to the procedures for entry, stay and enrollment of foreign/international students to higher education courses in Italy for the academic year of 2019/2020;
- Given the resolutions of the Academic Senate of February 18th 2020 and the board of Directors of February 18th 2020 , with which the activation of the II level Master's Degree in " Advanced Aesthetic and Restorative Dentistry" was approved;

Decrees

Article 1

General Norms

The **edition** of the II level **full time** Academic Master Degree in " **Advanced Aesthetic and Restorative Dentistry**" is ongoing for the academic year 2020/2022 at the Department of Surgical Sciences and Integrated Diagnostic of the Università degli Studi di Genova,

Article 2

Purpose of the course

Objectives: The Master takes place through theoretical lessons and practical exercises, to allow the participant to acquire specific and manual skills on modern techniques and materials used in direct and indirect conservative dentistry. Particular emphasis will be

placed on the diagnosis and treatment of dental imperfections and the lower third of the face and on modern methods to correct these problems.

The course includes participation in classroom teaching activities and practical exercises by European and American university teachers.

The practical part will be carried out in the clinical Department.

The increasing development in technological has produced remarkable changes in modern restorative dentistry and the desire for a natural restoration leads more frequently to require the use of aesthetic materials in the anterior and posterior sectors.

The adhesive dentistry now permits to obtain predictable and long lasting results with high aesthetic value, if applied correctly.

The continuous evolution of composite materials and the consolidated reliability of modern adhesive systems require the clinicians to have adequate knowledge of materials and operating techniques.

Minimally invasive techniques, high performance materials, operating microscope, CAD-CAM systems are innovations that permit to obtain extraordinary clinical results.

Additive methods (fillers and botox) or laser technology can help improve the aesthetics of the lower third of the face. However, any advanced technology requires supervision and adequate know-how with a progressive learning curve.

In order to meet the needs of an adequate technical-practical education for the clinician, this professional Master's has been set up with the aims to give the teaching a clinical feature.

The verification of new technological devices available to the dentist is at the base of this course which, in addition to being professionalizing, educates students clinically on parameters, reliable and repeatable for the treatment of single teeth, enabling, with applications performed by the student under the tutor's guide, to learn directly and practically the internationally accepted technique known as "state of art".

Functional profiles: medical surgeons in possession of the specialization in dentistry and dentists who are able to use the most up-to-date direct and indirect restorative techniques within their private practices or in public facilities.

Employment opportunities: The course will allow the training of experts in the field of cosmetic and adhesive dentistry, which can find employment in public or private facilities with high specialization in aesthetic dentistry.

Article 3

Educational organization of the courses

The 24 month Academic Master Degree will take place from **June 2021 to June 2023**.

The course consists in 3000 hours of training, (600 hours of frontal lessons, 400 hours of individual studies and 2000 hours of stage).

120 credits (CFU/ECTS) are attributed to the course.

Allowed absences 25%.

Didactic articulation:

The master is structured in 8 modules/units, all taught in English:

Unit	Name	Credits	SSD
1	The foundations of advanced Restorative and Aesthetic Dentistry	20	MED 28

	<p><i>Topics:</i></p> <ul style="list-style-type: none"> • Anatomy and foundational occlusion • Basic disease processes • Current concepts in diagnosis, radiology and clinical photography. • Smile design and treatment planning • Light polymerization • Foundations of material science: adhesive-systems and composite materials • Laser technology in aesthetic and restorative dentistry • Operatory microscope • Ultrasound devices for restorative dentistry • Literature review • Hands on <p><i>Aims:</i> This first unit aims to provide the necessary foundations for contemporary clinical practice and includes relevant clinical anatomy, disease etiology and pathogenesis, current concepts in diagnosis including the use of new technology. It also covers a foundation course in occlusion, dental material science and the latest in radiology and imaging. A selective literature review of theoretical and clinical articles will be studied and assessed.</p>		
2	<p>Anterior Aesthetics</p> <p><i>Topics:</i></p> <p><i>Aims:</i> This unit aims to provide the most current theoretical and clinical advances in anterior aesthetics, as well as a comparative evaluation of the various techniques and modalities available including; bleaching, composites, veneers, and crowns. A selective literature review of theoretical and clinical articles will be studied and assessed.</p> <ul style="list-style-type: none"> • The colour of natural teeth • Anatomical layering technique • Finishing and polishing technique • Direct composite restorations in anterior dentition • Bleaching of vital and non-vital teeth • Foundations of all-ceramic systems • Indications and preparation technique of veneers and crowns • Temporisation and adhesive luting procedures for veneers and crowns • Literature review • Hands on 	20	MED 28
3	<p>Posterior Aesthetics</p> <p><i>Topics:</i></p>	20	MED 28

	<ul style="list-style-type: none"> • Indications and preparation technique for Inlays, Onlays, Overlays and Crowns • Temporisation and adhesive luting procedures for Inlays, Onlays, Overlays and Crowns • CAD-CAM technology • Restorative procedures of endodontic treated teeth • Literature review • Hands on <p><i>Aims:</i> A thorough discussion of current techniques, materials and clinical advances in posterior aesthetics, which includes a comparative evaluation of the various techniques and modalities available including; composite restorations, inlays, onlays, crowns and aesthetic approaches for the restoration of endodontically treated teeth.</p>		
4	<p>Interdisciplinary treatment and clinical research methods</p> <p><i>Topics:</i></p> <ul style="list-style-type: none"> • Planning of complex treatments • Diagnostic tools • simple orthodontics • current concepts in endodontics • Managing the multidisciplinary treatment <ul style="list-style-type: none"> • Evidence Based Practice • Study Design • Literature review • Hands on <p><i>Aims:</i> This unit covers treatment planning of the complex aesthetic case. It includes current concepts in endodontics moving up to simple orthodontics and aims to provide an understanding of the role of being part of an interdisciplinary team to ensure comprehensive aesthetic restorative care to patients.</p> <p>The unit aims also to develop the student's competence in the design of clinical research projects. It will provide an understanding of the data collection process in clinically related research projects. It will also enable the student to perform a simple analysis and interpretation of data collected by a clinical research project. Upon completion of this unit the candidate will have a basic understanding of research methods and will be able to conduct or lead a basic clinically related research project.</p>	20	MED 28
5	<p>Surgical management and implant placement in aesthetics sites</p> <p><i>Topics:</i></p> <p><i>Aims:</i> This unit is designed to train dentists in Advanced Periodontology and Implant placement in esthetic areas, by equipping them with knowledge that are evidence-based, so that they will be able to plan,</p>	20	MED 28

	<p>initiate and carry out the best treatment plan for their patients.</p> <ul style="list-style-type: none"> • crown lengthening procedures • root coverage procedures and biotype • soft tissues augmentations procedures • prosthetical driven implant placement • hard and soft tissues preservation surrounding dental implants • soft tissues conditioning • CAD-CAM abutments for long terms tissues preservation • Literature review • Hands on 		
6	<p>Cosmetic users of laser, of botulinum toxin A and facial fillers for aesthetics perioral enhancement</p> <p><i>Topics:</i></p> <ul style="list-style-type: none"> • facial anatomy, features and aging facial changes • effective aesthetic treatment planning • Overview of current application of pulsed light (IPL) and laser light • Botulinum Toxins for aesthetic and therapeutic use and their applications • properties of the various facial fillers for individual aesthetic enhancement • "best practice" standards for injection techniques • literature review • hands on <p><i>Aims:</i> This last unit covers a thorough understanding of facial anatomy to allow safe and effective aesthetic treatments including the proportions and dimensions that create beauty, the aging facial changes in both female and males to develop an expert aesthetic sense for optimal treatment planning. It also covers the pharmacology of the various Botulinum Toxin, the properties of facial fillers and the appropriate injection techniques for effective treatment. Moreover this topic will cover laser procedures in esthetic dentistry and medicine.</p>	6	MED 28
7	<p>Clinical case presentation</p> <p><i>Topics:</i></p> <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. <p><i>Aim:</i> The outreach of the degree is determined as a qualified level of competence in both theoretical and practical aspects of</p>	4	MED 28

	esthetic dentistry. The Master diploma level shall be the submission of 5 (five) case studies in a chosen esthetic treatment. A formatted template shall enable a standardized approach to clinical case submission. Additional to this units shall be a guide to photographic techniques and MS PowerPoint techniques (Mac equivalent). Submission of clinical case shall be in hard copy and digitalized formats.		
8	<p>Thesis</p> <p><i>Aim:</i> The dissertation is the final element of the Academic Master Degree. Each student shall be required to submit a 15,000 word 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).</p>	10	MED 28

The purpose of each module/unit is detailed in attachment 1 which is an integral part of this competition notice.

At the end of each unit, learning will be verified with a self-assessment test.

As foreseen by Unit 8, at the end of the Master's program the presentation and discussion of a final thesis is scheduled.

A questionnaire at the beginning of the course will evaluate the didactic expectations of the participants. During the course a second questionnaire will be admitted to evaluate the quality of the teaching provided. At the end of the Academic master degree there will be the presentation and discussion of a final thesis.

Venue of educational activities: DISC (Dipartimento di Scienze Chirurgiche e Diagnostiche Integrate), Università degli Studi di Genova, IRCCS Department of healthcare and hospital SAN MARTINO-IST, National Institute for research on cancer, Pavilion 4 – Largo R. Benzi 10 – Genova.

Article 4

Management Committee and President

President: Professor S. Benedicenti

Management Committee: Professor S. Benedicenti, Professor F. Angiero, Professor A. Silvestrini Biavati.

The organizational and **administrative-accounting secretariat** and the information desk function of the course will be located: at the DISC (dipartimento di Scienze Chirurgiche e Diagnostiche Integrate) in Largo Rosanna Benzi n 8 – 16132 – Genova.

The representative of the structure responsible for the administrative and organizational management is Dr. Simona Simonotto. E-mail: simona.simonotto@unige.it

Secretary Contact: Mrs Rosa Traiano. E-mail rosa.traiano@unige.it ; Mrs Paola Tassistro. E-mail paola.tassistro@unige.it

Educational and tutoring contact: Dr. Lina Carlisi. E-mail: lina.carlisi@unige.it

Article 5

Access Mode

A maximum of 40 students are admitted to the course (the minimum number for activation is 10 students).

Qualifications required for admission to the course

- Degree in Dentistry and Dental Prosthesis (LM-46) or Specialization in Dentistry and Dental Prosthesis (class 52/S) or other equivalent qualification.

At the time of application deadline all titles will be reviewed and evaluated for admission. The Management Committee will assess the qualifications by awarding up to a maximum of 30 points on the basis of the following evaluation criteria:

- | | |
|---|---------------|
| - Degree or specialization Degree marks | max points 10 |
| - Master's diploma | max points 5 |
| - Specialization and/or refresher courses | max points 5 |
| - Scientific publications | max points 10 |

In the event of equal merit, the younger student will be awarded the position.

Article 6

Application Submission

The admissions application to the course must be filled out and presented on-line at the following website: <https://servizionline.unige.it/studenti/post-laurea/master> , no later than **June 15th 2020 at 12 p.m.**

The final date for application is certified by the computer system, therefore the access and submission of the application will not be allowed.

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

- a. Sure name, Name, fiscal code, date and place of birth, residence, telephone number and address chosen for the purposes of the candidacy. In regard to foreign citizens, we request the indication of an Italian address or that of their Embassy in Italy, elected as their domicile. The fiscal code may be left out if the foreign citizen does not possess one, (highlighting where necessary);
- b. Citizenship;
- c. type and denomination of the degree held with indication of the date, grade and the University where it was received, or rather the equivalent qualification obtained at a foreign University, as well as the details of any provision with which the equivalence was declared, or the request for equivalence only for the purposes of the candidacy referred to in article 5.

Using the online procedure in the application for admission to the Master's program the following must be attached:

- a. identification document;
- b. curriculum vitae;

To confirm the application it will be necessary to certify the veracity of the statements made

by ticking the appropriate section before confirming the application.

All attachments must be uploaded in PDF format.

In the event of a qualifications obtained abroad, if the qualifications have not already been recognized as equivalent, the candidate must ask for the equivalence only for the purposes of the competition, attaching the following documents to the application:

Degree translated and legalized by the competent Italian diplomatic or consular authority from the country in which the qualification was obtained;

“Declaration of value” of the qualifications rendered by the candidate.

The equivalence measure will be used only for the purposes of admission to the competition and registration for the course.

In the event that the competent Italian diplomatic or consular authority has not released this documentation in time for the submission of the admission application, all the available documentation must be attached to the application.

The equivalence measure will be taken into consideration with the condition that the legalized translation and the "declaration of value" are presented within the deadline for the enrollment to the courses by the admitted candidates.

The release of said documentation and of the eventual residency permit for foreign citizens participating to the course is governed by the provisions of the Ministry of University and Research of February 28th 2017 concerning procedures for the access of foreign students requesting visa to the courses of higher education for the academic year 2020/2022, available at the following website <http://www.studiare-in-italia.it/studentistranieri/>

According to the decree of the President of the republic of December 28th 2000, number 445, to the statement made in the application for admission, in the case of falsifications in acts and false declarations, the penal sanctions provided for by article 76 of the decree number 445/2000 referred to above. In cases where the legislation on substitutive declarations is not applicable (Legislative Decree number 445/2000 and ss.mm.ii), the candidate assumes his/her own responsibility (civil, administrative and penal) of the declarations issued.

Administration reserves the right to carry out all inspections required by the provisions in force. Candidates who make false declarations will automatically be dropped from registration, without prejudice to the application of further administrative and/or penal sanctions provided for by the regulations in force.

The University Administration assumes no responsibility for the loss of communications due to inaccurate indications of residency and of the address by the candidate or failure or late communication of the change of address, nor for any postal or telegraph errors not attributable to fault of the Administration offices.

Candidates who do not report all the required information in the application will be excluded from the admission ranking list.

The University may adopt exclusion measures against candidates without the required requisites, even after the publication of the admission ranking.

The list of candidates admitted to the Master will be posted at the Organizing Secretariat of the course by **June 22nd 2020**.

Article 7
Registration completion

Candidates admitted to the II level University Master's program must complete the enrollment by June 25th 2020 with an online procedure at <https://servizionline.unige.it/studenti/post-laurea> and click on "conferme iscrizioni post-laurea" and choosing the academic master degree.

In attachment candidates should provide:

1. one photo in jpg format;
2. receipt – proof of payment of the first installment of 10,266.00 euros to be made at the time of completion of registration, online by means of the available banking service in the area of online services for students (<http://servizionline.unige.it/studenti/unigepay20/>), using a credit cards belonging to the Visa, Visa Electron, CartaSì, MasterCard, prepaid riUnige / riCarige circuit or by a "payment notice" on paper (Freccia bank slip)

The payment of the **II and III installment** must be carried out according to the methods mentioned above:

II installment 10.000,00 Euros by February 28th 2021;

III installment 10.000,00 Euros by February 28th 2022.

According to article 11, paragraph 3 of the Regulation for the Students issued with Rectoral decree number 228 of September 25th 2001 and subsequent modifications, the student enrolled in a university course are not entitled to refunds or fees and contributions, even if they interrupt their studies or move to another University.

Candidates who have failed to register within the aforementioned deadline are in fact considered to have renounced to the course.

Article 8

Title issue

At the end of the Academic Master Degree, students who, in the opinion of the Management Committee, have successfully passed the tests, will receive the II level Master's degree in "**Advanced Aesthetic and Restorative Dentistry**" as required by article 19 of the Regulations for Specialization, Professional Upgrading and Lifelong Learning and courses for first and second level University Masters.

Article 9

Processing of personal data

The personal data provided by the candidates will be collected at the Università degli Studi di Genova - Didactic area and students - Higher education service, and treated for the purposes of managing the selection and the related procedural activities, according to the provisions of the Legislative Decree of June 30th 2003 number 196 "Code regarding the protection of personal data".