PEGASO
Università Telematica
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MASTER di II Livello

SURGERY in LASER DENTISTRY

1ª Edizione

1500 ore 60 CFU

Anno accademico 2026/2027

MA1913

Titolo	SURGERY in LASER DENTISTRY
Edizione	1ª Edizione
Area	SanitÃ
Categoria	MASTER
Livello	II Livello
Anno accademico	2026/2027
Durata	Durata annuale, per un complessivo carico didattico pari a 1500 ore corrispondenti a 60 CFU

Presentazione

The Second-Level University Master of Surgery in Laser Dentistry is an advanced postgraduate educational programme designed to provide highly specialized theoretical knowledge and clinical competencies in the use of laser technologies for contemporary dental and oral surgery practice.

The rapid evolution of laser-assisted techniques has significantly transformed modern dentistry by enabling minimally invasive procedures, improving surgical precision, enhancing patient comfort, and promoting faster tissue healing. Consequently, laser technology has become an essential component of evidence-based clinical practice across multiple dental specialties.

This Master has been developed to provide participants with comprehensive education covering the physical principles of laser technology, laser-tissue interactions, safety regulations, and the clinical application of the most widely used laser systems in dentistry, including diode, Nd:YAG, Erbium and CO? lasers.

The educational programme combines scientific foundations with extensive clinical training through an integrated teaching model consisting of online lectures, interactive seminars, hands-on laboratory sessions, supervised clinical demonstrations, case-based learning, and the development of an original research thesis.

The programme benefits from the contribution of internationally recognized academics and clinicians with extensive experience in laser dentistry, ensuring a multidisciplinary and evidence-based educational environment consistent with the highest international academic standards.

Upon successful completion, graduates will possess advanced competencies enabling them to safely and effectively incorporate laser technologies into everyday clinical practice while critically evaluating emerging scientific evidence and technological innovations.

Finalità	The Master aims to educate highly qualified dental professionals capable of applying laser technologies safely, effectively and according to the principles of evidence-based dentistry. Specifically, the programme intends to: • provide an advanced understanding of laser physics, optics and laser-tissue interactions; • develop comprehensive knowledge of the characteristics, indications and limitations of the principal dental laser wavelengths; • provide advanced clinical training in laser-assisted procedures involving oral surgery, periodontology, implantology, endodontics, restorative dentistry, prosthodontics, orthodontics, paediatric dentistry and oral medicine; • develop competencies in photobiomodulation, photodynamic therapy and minimally invasive laser-assisted surgical procedures; • promote the application of internationally recognized laser safety protocols and current regulatory standards; • strengthen participants' ability to critically evaluate scientific literature and incorporate evidence-based clinical protocols into daily practice; • develop research methodology skills through the planning, execution and presentation of an original scientific dissertation; • promote interdisciplinary collaboration and innovation in advanced dental care. Graduates will acquire the scientific knowledge, technical skills and clinical judgement necessary to integrate laser technology into comprehensive patient management, improving treatment outcomes, reducing surgical morbidity and enhancing the quality of patient care.

Direttore	**Prof. Giovanni Battista Menchini Fabris** Associate Professor of Dental Sciences at Pegaso University, Specialist in Oral Surgery, and PhD in Surgical Sciences. For more than twenty-five years, he has been actively engaged in clinical practice, research, and academic teaching in the fields of oral implantology and reconstructive surgery, with particular expertise in digital dentistry, immediate loading protocols, and the management of complex clinical cases. He has directed numerous university Master's programmes in Implant Dentistry, primarily delivered in English, educating hundreds of dental professionals from around the world. He is the author of more than 80 peer-reviewed international scientific publications and is a regular invited speaker at major national and international conferences in the fields of implant dentistry and oral surgery. E-mail: giovannibattista.menchinifabris@unipegaso.it
Destinatari	The Master is intended for dentists and medical doctors who wish to acquire advanced postgraduate education in laser-assisted dentistry and oral surgery. Eligible applicants include: • holders of a Master's Degree (or equivalent qualification recognized according to current legislation) in Dentistry and Dental Prosthetics (DDS/DMD); • holders of a Medical Degree legally qualified to practice dentistry according to the regulations of their respective countries; • international applicants possessing an equivalent academic qualification recognized by the University in accordance with applicable national regulations. The programme is particularly suitable for professionals seeking to expand their clinical competencies in minimally invasive surgery, periodontal therapy, implant dentistry, oral medicine, endodontics, aesthetic dentistry and other dental disciplines through the application of contemporary laser technologies.

Strumenti didattici

The Master adopts an integrated blended-learning model, combining distance education with intensive face-to-face clinical training.

The educational methodology includes:

- asynchronous online lectures (Didactic Delivery);
- live webinars and interactive seminars;
- clinical case discussions;
- evidence-based Journal Club;
- problem-based learning;
- hands-on laboratory sessions;
- supervised clinical demonstrations;
- simulation exercises;
- project work;
- individual tutoring;
- Master's thesis.

Contenuti

	Modulo	Tematica	SSD	CFU
1	1	Basic Sciences and Laser Physics	MEDS-16A	8
2	2	Laser Technologies	MEDS-16A	8
3	3	Clinical Applications	MEDS-16A	10
4	4	Phototherapy	MEDS-16A	8
5	5	Research Methodology	MEDS-16A	8
6	6	Phantom Training	MEDS-16A	8
7	7	Final Examination - Project work	MEDS-16A	10
Totale			**60**	

Attività	The educational methodology is centred on active learning and competency-based education, promoting the integration of theoretical knowledge, clinical reasoning and practical skills. Particular emphasis is placed on the application of evidence-based protocols, patient safety, clinical decision-making and multidisciplinary treatment planning. The programme consists of five educational modules delivered over one academic year, including three online modules followed by two intensive onsite clinical training modules dedicated to practical education, clinical applications and final assessment
Adempimenti richiesti	Participants are required to: • study the educational material provided through the e-learning platform; • complete all online learning activities; • successfully pass module self-assessment examinations; • participate in webinars and practical sessions; • complete assigned clinical case analyses; • prepare and submit a final thesis; • successfully pass the final examination.

Titoli ammissione	Admission is reserved for applicants holding one of the following academic qualifications (or equivalent qualifications recognized under current legislation): • Master's Degree in Dentistry and Dental Prosthetics (Italian LM-46 or equivalent international degree); • Degree in Medicine and Surgery with legal qualification to practise dentistry according to the regulations of the country of qualification; • Other equivalent academic qualifications obtained abroad and recognized as suitable by the Academic Board in accordance with Italian legislation and University regulations. International applicants may be admitted following evaluation of the equivalence of their academic qualifications by the competent Academic Authorities. Applicants must fulfil all legal requirements necessary for professional practice in their respective countries. Admission may also be subject to curriculum evaluation and, where deemed appropriate by the Academic Board, to an interview aimed at assessing the candidate's professional background and motivation.
Termini iscrizione	**30 Settembre 2026**
Condizioni	The University reserves the right not to activate the Postgraduate Programme if the minimum requirements for its delivery are not met. Further information is available at: https://docs.unipegaso.it/postlaurea/mancata_attivazione.pdf By submitting the enrolment application, applicants acknowledge and accept the **Terms and Conditions of Use**, available at: https://docs.unipegaso.it/postlaurea/cond_util_post.pdf

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Payment of the enrollment fee must be made via bank transfer to the following account, in accordance with the details provided herein: UNIVERSITÀ TELEMATICA PEGASO

Banca Generali IBAN: IT 44 M 03075 02200 CC8500647145

Please indicate the following in the payment reference field: "Tax Code, Surname, and First Name of the student," followed by the Course Code. Please note that payment receipts will not be issued; however, for tax purposes regarding income assessment, a bank transfer made according to the instructions above allows for the deduction of the course cost.

Please note that a €16.00 revenue stamp fee must be added to the indicated amount; this fee is payable after enrollment.
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Trattamento dati personali	Pursuant to Regulation (EU) 2016/679 of the European Parliament and of the Council of 27 April 2016 (GDPR) The personal data provided will be processed by Pegaso Online University in compliance with Regulation (EU) 2016/679 and the applicable legislation on the protection of personal data. The full privacy notice, including information on the purposes and methods of processing, data retention periods and the rights of data subjects, is available on the University's institutional website: https://www.unipegaso.it/website/privacy Data subjects may exercise the rights provided for under Articles 15–22 of Regulation (EU) 2016/679 at any time by contacting the Data Controller: Pegaso Online University Centro Direzionale, Isola F2 – 80143 Naples (NA), Italy Email: privacy@unipegaso.it E' possibile consultare l'informativa sul sito dell'Università Telematica Pegaso, all'indirizzo: http://www.unipegaso.it/website/privacy
Informazioni	For any enquiries regarding enrolment in the programmes, applicants must use the contact channels provided by the University, available in the "Contact Us" section of Pegaso Online University's institutional website: https://www.unipegaso.it/contatti For assistance, please call the toll-free number: 800 185 095