

EMDOLA

2024-2026

European Master Degree in Oral Laser Applications
"Victor Babeș" University of Medicine and Pharmacy
Timișoara
Faculty of Dentistry

University of Liege, Belgium



University of Barcelona, Spain



University of Parma, Italy



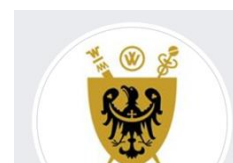
University of Rome "La Sapienza", Italy



*"Victor Babeș" University of Medicine and Pharmacy
from Timisoara, Romania*



Wroclaw University of Medicine, Poland



EUROPEAN MASTER'S DEGREE IN LASER APPLICATIONS IN DENTAL MEDICINE

THE GOAL

The main purpose of the master's degree is to implement scientific and clinical knowledge based on optics, laser physics, as well as its properties with applications in various fields of dentistry. Moreover, the practical and theoretical aspects of the course will emphasize the advantages, disadvantages and limitations of the various therapeutic methods performed conventionally or using a laser.

DESCRIPTION OF THE MASTER'S DEGREE

The *EMDOLA* master 's program was resulted of scientific collaboration and teacher of several university centers in the European Union. This project has been operational for more than 8 years in *Liege, Barcelona, Parma, Rome, Timiș oara and Wroclaw*.

These universities offer a joint study plan for 2 years. The course takes place in English and Romanian (with simultaneous English - Romanian translation for situations where it is needed). The students on the end will have the opportunity to obtain two master diplomas: one from the host university and the second one from European Master's Degree of Oral Application of Laser.

The program involves *1,500 hours* in total (*750 hours / year*).

Of the total 1500 hours, some are dedicated to theoretical courses , and the rest will be divided into the following activities:

- **Workshops**
- **Lab hours**
- **Internships**
- **Teaching activities**
- **Individual study**

The master's degree ends with a master's thesis, which will be presented at the end of the second year. The subjects involve conventional treatments compared to laser-assisted ones in different fields of dentistry: limitations, advantages and disadvantages.

1. **Registration period: 16.09.2024 – 19.09.2024** (online registration and submission of files)
2. **Number of seats: 10+ 4 locuri cetateni Non UE**
3. **Registration fee:** 200 RON is paid on the online admission platform (**by card**) or by bank transfer to the University account opened at the Timisoara Treasury : RO29TREZ62120F330800XXXX fiscal code : **4269215** , with **the** following mentions : " registration fee - name, surname, study program "
4. **Place confirmation fee:** 400 RON
5. **Tuition fee :** RON 10,000 / year
6. **Duration:** 2 years
7. **Number of credits :** 60 / year (120 in total)
8. **The admission contest consists of:** Interview with each candidate.

TAXES FOR FOREIGN CITIZENS COMING FROM THIRD COUNTRIES (NON EU CPV)

- ***File processing fee (non-refundable in case of file processing, respectively if the documents uploaded online have been verified): 200 euro, non-refundable;***
- ***Place/option/program confirmation fee: 300 euro, non-refundable;***
- ***Tuition fee (studies)/year of study/study program 7500 euro/year***
- ***Enrollment fee: 100 lei, paid in cash at the university cashier's office, upon final registration for studies***

Will be analyzed:

- a. The motivation for choosing this master's program, based on subsequent concerns in the field (for example: bachelor 's , dissertation , doctoral thesis in a similar field.

b . Competence in linguistic communication (English), on a topic proposed scientific proposal by the candidate (for example, from the candidate's bachelor 's thesis or doctoral thesis.

10. Conditions for registering for the competition: For the master's degree admission competition, Romanian and foreign citizens, graduates with a bachelor 's degree or any of its correspondents can register the number of years of study, institute and the year in which the candidate obtained the bachelor 's degree , or its correspondent.

11. Date of Interview: 24.09.2024

CONTACT:

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E-mail: masterat@umft.ro; emdola.ro@gmail.com

EMDOLA PROGRAM DIRECTORS:

- *Prof. Dr. Samir Nammour*, University of Liege, Belgium
- *Prof. Josep Arnabat*, University of Barcelona, Spain
- *Prof. Dr. Paolo Vescovi*, University of Parma, Italy
- *Prof. Dr. Umberto Romeo*, University of Rome "La Wisdom ", Italy
- *Prof. Dr. Carmen Todea*, " Victor Babeş " University of Medicine and Pharmacy from Timișoara, Romania
- *Dr. Kinga Grzech-Lesniak*, Wroclaw University of Medicine , Poland

Disciplines

First year - semester 1

Optics
Laser physics
Laser safety
The properties of lasers

Laser applications in Dentistry

Laser - tissue interaction

Optional: Laser treatment for patients at medical risk

Laser-assisted emergency dentistry

First year - semester 2

Optical Coherence Tomography (OCT)

Diagnostic , Laser fluorescence

Laser Doppler Flowmetry

Laser in Preventive Dentistry

Laser in Dental Therapy, Dentinal hypersensitivity

Pulp capping, Laser in Endodontics : biomechanical treatment,
laser – assisted.

Laser in Pedodontics

Optional: The laser in the age of digitization

Laser-assisted treatment for patients with special needs

Second year - semester 1

Photodynamic therapy

Low level energy laser therapy

Laser in Periodontology

Laser in oral surgery

Laser in Implantology

Dental Prosthetics and Dental Aesthetics

*Optional: Biotechnologies complementary to laser therapy
Laser-assisted acupuncture therapy*

Second year - semester 2

Research methodology in laser-assisted dentistry
Laser in Dental Technique
Jurisprudence, Medical ethics
Healthcare management in dentistry
Laboratory practice and research
Clinical practice and research
Elaboration of dissertation thesis

*Optional: Laser treatments dedicated to the oro-facial area
Applications of laser microscopy*

Lecturers

Prof. Dr. Darinca Carmen Todea - program coordinator

Prof. Dr. Meda-Lavinia Negrutiu

Prof. Dr. Cosmin Sinescu

Prof. Virgil-Florin Duma

Prof. Adrian Neagu

Prof. Dr. Stefan Stratul

Prof. Dr. Emanuel Bratu

Prof. Dr. Liliana Porojan

Prof. Dr. Alexandra Enache

Prof. Dr. Daniela Jumanca

Prof. Dr. Ramona Popovici

Assoc. Prof. Dr. Emanuela Crăciunescu

Assoc. Prof. Dr. Luminita Nica

Assoc. Prof. Dr. Mariana Miron

Assoc. Prof. Dr. Cristina Bratu

Assoc. Prof. Dr. Marius Leretter

Assoc. Prof. Dr. Mălina Popa

Lect. Dr. Ruxandra Luca

Lect. Dr. Diana Nica

Assist. Prof. Dr. Bogdan Hoinoiu

IMAGES FROM EMDOLA'S GRADUATION

PARMA EUROPEAN MASTER DEGREE GRADUATION





EMDOLA COMMITTEE - PARMA UNIVERSITY

