EMDOLA

2022-2024

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 Babe ş " University of Medicine and Pharmacy from Timişoara , Romania _

Wroklaw 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 create a platform 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 6 years in ***Liege, Barcelona, Parma, Rome, Timișoara, and a*** year ago, Wroklaw also took over***.***

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). Both Romanian and foreign dentists have the opportunity to obtain an important international degree at the international level.

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: 12 September 2022 - 16 September 2022 (online registration and submission of files)

2. Number of **seats: 10**

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.

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: September 20, 2022

CONTACT:

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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 Timişoara , Romania
- *Dr. Kinga Grzech-Lesniak* , Wroclaw University of Medicine , Poland

Disciplines

First year - semester 1

Optics
Laser physics
Laser safety

The properties of lasers and their applications in dentistry
Laser - tissue interaction

First year - semester 2

Diagnostic,
Laser Doppler Flowmetry
Optical Coherence Tomography (OCT)
Laser fluorescence

Laser in Preventive Dentistry
Dentinal hypersensitivity

Laser in Dental Therapy
Pulp capping,
Laser in Endodontics : biomechanical treatment, laser - assisted

Laser in Pedodontics, Orthodontics _

Photodynamic therapy,
Laser in periodontology

Optional : *Laser treatment for patients at medical risk*

Second II - semester 1

Laser in oral surgery

Laser in Implantology
Dental Prosthetics and Dental Aesthetics

Low level laser therapy

Research methodology in laser - assisted dentistry

Laser in Dental Technology

Second II - semester 2

Jurisprudence
Medical ethics

Healthcare management in dentistry

Basically and laboratory research

Basically and clinical research

Elaboration of the master theisis

Optional : *Biotechnologies complementary to laser therapy*

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

Conf. Dr. Luminita Nica

Conf. Dr. Cristina Bratu

Conf. Dr. Marius Leretter

SL Dr. Mariana Miron

SL Dr. Mălina Popa

SL Dr. Ruxandra Luca

Asist. Univ. Dr. Diana Nica

Assist. Univ. Dr. Bogdan Hoinoiu