



# UNIVERSITY MASTER DEGREE

IN

## ORAL SURGERY & IMPLANTOLOGY, MSc

Guglielmo Marconi University and Istituto Stomatologico Toscano organizes different types of Dental Master's Degree Programs as MSc. in orthodontics, oral surgery & implantology, aesthetics & digital dentistry, laser in dentistry, endodontics for many years. 'University Master in Oral Surgery & Implantology' ( UMOSI ) is designed for the general dentist who has already taken the first step towards the field of oral surgical treatments. You have already applied surgeries and placed implants and now want to develop your practical skills and build up solid, scientific knowledge in order to provide safe, appropriate and efficient treatments.

The 12-months modular graduate degree program takes your time constraints and job responsibilities into consideration. You have to travel three times to University center in PISA, Versilia Hospital; one time to Arezzo, ICLO Cadaver Center and one time to Rome, the main campus of Guglielmo Marconi University during your course of studies. The graduates will be able to independently plan oral surgery concepts and the treatment of patients requiring dental implant therapies through lessons on theory, online education, live surgeries and hands-on on phantom and animal models performed by participants under the guidance and supervision of teachers.

After successful completion of the program, graduates will receive the academic title of "Master of Science (MSc.) in Oral Surgery & Implantology". In addition, graduates will also have the skills required to select, analyse and fully integrate into their daily practice a full range of treatments and knowledge in this field of oral surgery and dental implantology.

The course concludes with quizzes at the end of every module, a full presentation of 5 cases for oral surgery & 10 cases for implantology, final exam and a master's thesis on topics of oral surgery and implantology that will prepare the student during the year and will discuss at the end of the course.

I wish you great success in your professional life.

Prof. Ugo COVANI



## Guglielmo Marconi University

Guglielmo Marconi University is the first and still only private Italian university that is accredited in the United States! The University was recognized by the Italian Ministry of Education, University and Research in 2004. In accordance with the Decree of March 1<sup>st</sup> 2004 published in the Official Gazette of the Italian Republic Marconi University was authorized to establish and offer the following degree courses:

- Sciences for Legal Services
- Economic Science
- Geological, Cartographical, Estimative and Building Sciences
- Educational and Training Sciences
- Science of Social Services
- Italian Language and Culture

The Decree of March 30<sup>th</sup> 2006 published in the Official Gazette of the Italian Republic further authorized Marconi University to establish and offer the following degree courses:

- Civil Engineering
- Industrial Engineering
- Agricultural Science and Technologies
- Environmental and Applied Sciences and Technologies
- Political Science and International Relations
- Social Sciences for Cooperation, Development and Peace
- Development and Management of Politics and Social Services
- Public Administration
- Italian Language and Culture
- Foreign Languages for International Communication
- Pedagogy
- Economic Sciences
- Law

Guglielmo Marconi University's active partnerships with local, national and international institutions contribute to a sustainable common aim of placing and advancing students within the workforce. The medical and dental science degree programs are handled by the protocol of EU accreditation with the support of clinical and managing base of institutes.

Marconi's mission is to provide innovative and affordable high-quality degree programs and learning opportunities to both domestic and international students alike, utilizing the latest technologies and responding to student's needs in their pursuit of academic, personal, and professional integrity. When you pursue a degree with Marconi University, not only will you have access to the latest online learning technologies, but to university standard teaching, facilities and support.



## GOALS

To offer high quality professional degree programs.

To build up a community and enrich student's lives by promoting educational and professional growth

To encourage student-centered learning at all levels, supported by technological resources and led by qualified faculty and staff

To provide an outstanding educational experience through academic and administrative support services

To promote interdisciplinary research and innovation

To foster collaboration and interaction among other institutions with the same objectives



## ACICS Accreditation

On 17 April 2015 Guglielmo Marconi University became the first and only Italian university institutionally accredited in the United States!

The Accrediting Council for Independent Colleges and Schools, a national accrediting agency recognized by the U.S. Department of Education and the Council for Higher Education Accreditation (CHEA), has certified the high quality and excellence of Marconi's academic programs and institutional organization.

This means that GMU Bachelors and Master's will be valid not only in Europe but also in the United States, giving students new and greater career opportunities in a larger number of countries.



## Istituto Stomatologico Toscano



Istituto Stomatologico Toscano founded in 1990 by Prof. Ugo Covani, is a non-profit foundation for clinic research and high education in dentistry. It organizes post graduate training programs and refresher courses to dentists and dental hygienists as well as training for paramedics, using the wealth of experience almost 20 years of the courses, organized by many of the professionals working in the structure.

This educational activity is carried out through theoretical courses in classroom and where applicable by practical exercises on simulators, as well as through the programmed frequency and guided clinical activities. The programs involve almost all dental disciplines and with the participation of great, qualified speakers, both Italian and international. The programs address the most interesting topics of modern dentistry: Implantology, Oral Surgery, Periodontics, Orthodontics, Cosmetic Dentistry, Conservative Dentistry, Digital Dentistry, Laser Dentistry, Oral Hygiene, Computer Guided Implantology, Regenerative and reconstructive bone surgery, etc...

The educational activities of the institute take place in part of the university and are accomplished through partnerships and / or agreements with Italian and foreign universities. University programs are carried out in collaboration with the university of PISA - Italy, university of GENOVA – Italy, the university Guglielmo Marconi of ROME - Italy, University of Buffalo – USA, Marconi International – USA. University programs spread from high training courses - lasting a few days advanced courses – generally lasting for more meetings and master programs lasting one academic year.





## Faculty



## FACULTY PRINCIPLES

- Ugo Covani
- Antonio Barone
- Giovanni B. Menchini Fabis
- Luigi Rubino
- Giuseppe Iaria
- Angelo Sisti
- Luigi Canullo
- Enzo Rossi
- Michele Nanelli
- Massimo Buda
- Annamaria Genovesi
- Emnuelle Camioni
- Nazzareno Bassetti
- Katia Biondi
- Jason Motta Jones
- Domenico Baldi

Additional teaching faculty to be drawn from Internationally-accredited experts in the field of oral diagnosis, oral surgery, implantology, prosthetic dentistry and medicine.



## Program Conditions and Dates for UMOSI 2018

### Language

The UMOSI course will be conducted with English as the spoken language. Simultaneous translation by professionals will be available from English to Turkish.

### Location

Istituto Stomatologico Toscano - Versilia Hospital, Lido di Camaiore; LU, Italy  
ICLO Cadavary Center – Arezzo; Italy  
Guglielmo Marconi University – Rome; Italy

### CME Credits

60 CME credits are accrued during the course and are equivalent to National verifiable hours of continuing education as the highest level of MSc overall EU countries.

### Number of Participants

Min 15 Students – Max 30 Students

### Registration

Deadline: 02<sup>nd</sup> January 2018

\*\*\* The registrations will be directed upon the applications of the participants. When the number of participant reaches 30 seat, the registrations will be closed before the deadline date.

### Inscription Documents:

All students needs to present following documents to the University Secretary:

- Copy of Degree Diploma
- Copy of the Passport
- ID Photo

**Entry fee:** 20.000,00 Euro ( early registration fee till 02 October 2017 )  
22.500,00 Euro ( standard registration fee )



## Graduation Requirements

All students needs to follow below mentioned steps,

- Quizzes after each Module
- 5 surgery cases, 10 implantology cases
  - Extraction
  - Bone Augmentation
  - Soft Tissue Augmentation
  - Bone Surgery
  - Soft Tissue Surgery
  - Total Edentulism Implant Treatment – Cemented
  - Total Edentulism Implant Treatment – Screwed
  - Total Edentulism Implant Treatment – Removable Overdentures
  - Implant Placement for Bridge Treatment
  - Implant Placement with Augmentation
  - Implant Placement with Split Crest
  - Implant Placement with Sinus Lifting
  - Single implant placement in Aesthetic Zone
  - Immediate implant Placement to extraction socket
  - All-on-4 treatment
- Final Exam
- Master's Thesis

\*\*\* The clinical case presentations should be delivered as 1 hard copy & 1 digital copy to the university at the 5<sup>th</sup> Module in Rome. The participants will present 2 of the 15 cases as 1 clinical case for surgery and 1 clinical case for implantology in 5 min.

\*\*\* The Master's Thesis presentations should be delivered as 2 hard copies & 1 digital copy to the university at the 5<sup>th</sup> Module in Rome. The participants will present their Master's Thesis in 15 min.

\*\*\* The quiz assessments will be evaluated with the final exam.

## Information

Secretariaty

[info@istitutostomatologicotoscano-turkey.com](mailto:info@istitutostomatologicotoscano-turkey.com)

Güldem Koçel

[guldemkocel@istitutostomatologicotoscano-turkey.com](mailto:guldemkocel@istitutostomatologicotoscano-turkey.com) / 0090 555 990 60 06



### Dates for in-campus attendance

- |                                  |   |
|----------------------------------|---|
| 1. <b>February-March 2018</b>    | <i>Mon 26<sup>th</sup> – Fri 02<sup>nd</sup> / PISA</i> |
| 2. <b>May 2018</b>               | <i>Mon 07<sup>th</sup> – Fri 11<sup>th</sup> / PISA</i> |
| 3. <b>October 2018</b>           | <i>Mon 01<sup>th</sup> – Fri 05<sup>th</sup> / PISA</i> |
| 4. <b>October 2018</b><br>AREZZO | <i>Mon 08<sup>th</sup> – Wed 09<sup>th</sup> /</i>      |
| 5. <b>December 2018</b>          | <i>Mon 10<sup>th</sup> – Fri 14<sup>th</sup> / ROME</i> |

\*\*\* The on-campus meetings shall be conducted as five individual weeks, each week running from Monday morning (start 08.30) to Friday (18.00)

\*\*\* UMOSI program is a very compact and concentrated program with 5 modules. For this reason the absence of the participant will not be accepted unless there will be an official medical or emergency statement.



**1st MODULE**February 26<sup>th</sup> – March 02<sup>nd</sup> 2018 / PISA**Monday 26th****BIOLOGIC & ANATOMIC LIMITS IN IMPLANTOLOGY**

08.30	<i>Introduction to the Master Course</i>
08.45	<i>Anatomy of the Oro-Maxillo-Facial District and Clinical Applications 1</i>
10.30	<i>Coffee</i>
11.00	<i>Anatomy of the Oro-Maxillo-Facial District and Clinical Applications 2</i>
12.30	<i>Lunch</i>
13.30	<i>Patient Examination, Anamnesis, Extra &amp; Intra Oral Evaluation</i>
15.30	<i>Coffee</i>
16.00	<i>General and Clinical Documentations</i>
17.00	<i>Surgical Instruments &amp; Devices</i>
18.00	<i>Close</i>

**Tuesday 27<sup>th</sup>****EDENTULISM**

08.30	<i>Mono, multi and total approach to edentulism</i>
10.30	<i>Coffee</i>
11.00	<i>1<sup>st</sup> stage Surgery</i>
12.30	<i>Lunch</i>
13.30	<i>2<sup>nd</sup> stage Surgery</i>
15.30	<i>Coffee</i>
16.00	<i>Surgical complications in Implantology</i>
17.30	<i>Final session exam</i>
18.00	<i>Close</i>

**Wednesday 28<sup>th</sup>****ORAL PLASTIC SURGERY**

08.30	<i>How to manage soft tissues</i>
10.30	<i>Coffee</i>
11.00	<i>Surgical flap techniques</i>
12.30	<i>Lunch</i>
13.30	<i><b>Hands-on on phantom and animal model, Mucogengival flap techniques</b></i>
15.30	<i>Coffee</i>
16.00	<i><b>Hands-on on phantom and animal model, Suture techniques</b></i>
18.00	<i>Close</i>

Thursday 01<sup>st</sup>**BIOLOGY OF HEALING & TEETH EXTRACTIONS**

08.30	<i>Wound healing</i>
09.30	<i>Bone healing &amp; Osteointegration</i>
10.30	<i>Coffee</i>
11.00	<i>Fresh extraction Socket Healing</i>
12.30	<i>Lunch</i>
13.30	<i>Teeth, Roots &amp; Impacted Teeth</i>
14.30	<i>Germectomy, Advanced Surgical Extraction of Wisdom Teeth</i>
15.30	<i>Coffee</i>
16.00	<b><i>Hands-on on resin models, 3th molar extraction</i></b>
18.00	<i>Close</i>

Friday 2nd**DENTAL IMAGING & ORAL TREATMENT PLANNING**

08.30	<i>Dental Imaging diagnostic and 3d Devices</i>
10.30	<i>Coffee</i>
11.00	<i>Radiology &amp; Oral Diagnosis in Oral Surgery and Implantology</i>
12.30	<i>Lunch</i>
13.30	<i>Surgical &amp; medical principles: from emostasis to abscess treatment</i>
15.30	<i>Coffee</i>
16.00	<b><i>Live Surgery</i></b>
18.00	<i>Close</i>

**2<sup>nd</sup> MODULE**May 07<sup>th</sup> - 11<sup>th</sup> 2018 / PISAMonday**DENTAL LASERS in ORAL SURGERY & IMPLANTOLOGY**

08.30	<i>Laser Approach in Oral Surgery</i>
10.30	<i>Coffee</i>
11.00	<i>Laser Applications in Implant Surgery</i>
12.30	<i>Lunch</i>
13.30	<i>Laser &amp; Ozone therapy of periimplantitis</i>
15.30	<i>Coffee</i>
16.00	<i>Diode &amp; Er:YAG Laser, Tricks and Key Factors</i>
18.00	<i>Close</i>

Tuesday**PERIMPLANTITIS & ORAL CARE**

08.30	<i>Periimplantitis: Classification &amp; Diagnosis</i>
10.30	<i>Coffee</i>
11.00	<i>Periimplantitis: Management &amp; Therapies</i>
12.30	<i>Lunch</i>
13.30	<i>Oral Care: pre and post op management &amp; follow up</i>
14.30	<i>Pre-Prothetic and Post Prothetic Peridodontology</i>
15.30	<i>Coffee</i>
16.00	<b><i>Live Surgery</i></b>
18.00	<i>Close</i>

Wednesday**DENTAL DOCUMENTATION IN ORAL SURGERY**

08.30	<i>Guidelines for Drafting the Final Thesis</i>
09.30	<i>How to prepare a Keynote presentation on clinical cases</i>
10.30	<i>Coffee</i>
10.30	<i>Dental photography and cases Documentation</i>
12.30	<i>Lunch</i>
13.30	<i>Dental photography and cases Documentation</i>
15.30	<i>Coffee</i>



16.00 **Hands-on, Dental Photography**  
18.00 *Close*

Thursday **BONE SHAPING TECHNIQUES**

08.30 *Implant management of bone atrophy: classification*  
10.30 *Coffee*  
11.00 *Implant management of bone atrophy: bone shaping*  
12.30 *Lunch*  
13.30 **Hands-on on phantom and animal model, "bone distractions techniques"**  
15.30 *Coffee*  
16.00 **Hands-on on phantom and animal model, "split crest techniques"**  
18.00 *Close*

Friday **ORAL PATHOLOGY**

08.30 *Oral Cancer*  
10.30 *Coffee*  
11.00 *Intraoral Lesions & Biopsies*  
12.30 *Lunch*  
13.30 *Extraoral manifestation of Oral Pathology*  
15.30 *Coffee*  
16.00 *Cysts and Granulomas*  
17.30 *Final session exam*  
18.00 *Close*

**3<sup>rd</sup> MODULE**October 01<sup>th</sup> – 05<sup>th</sup> 2018 / PISAMonday**BONE BIOMATERIALS & BEYOND**

08.30	<i>Bone regeneration and reconstruction principles</i>
10.30	<i>Coffee</i>
11.00	<i>Biomaterials</i>
12.30	<i>Lunch</i>
13.30	<i>Autologous bone: an alternative resource?</i>
15.30	<i>Coffee</i>
16.00	<i>Platelet rich fibrin in wound healing</i>
18.00	<i>Close</i>

Tuesday**INTRODUCING TO THE SINUS**

08.30	<i>Anatomy and Physiology of Maxillary Sinus</i>
10.30	<i>Coffee</i>
11.00	<i>Maxillary Sinus Imaging</i>
12.30	<i>Lunch</i>
13.30	<i>Sinus Pathology and Sinusitis</i>
15.30	<i>Coffee</i>
16.00	<i>Drug and surgical treatment of Sinusitis and Oro Antral Communication</i>
17.00	<b><i>Live surgery</i></b>
18.00	<i>Close</i>

Wednesday**SINUS LIFTING TECHNIQUES**

08.30	<i>Sinus lift techniques: Crestal &amp; Lateral Approach</i>
10.30	<i>Coffee</i>
11.00	<i>Alternative surgeries: Short &amp; Blade Implants</i>
12.30	<i>Lunch</i>
13.30	<i>Extreme Atrophy management: Pterigoid Implants, Zigoma Implants</i>
15.30	<i>Coffee</i>
16.00	<i>Bone Grafting Techniques</i>
17.00	<i>3D Bone Reconstruction Techniques</i>
18.00	<i>Close</i>

Thursday**SINUS LIFTING & 3d RECONSTRUCTION**

08.30	<b>Hands-on on phantom and animal, Magnetic Mallet sinus approach</b> <i>CRESTAL Sinus Lift</i>
10.30	<i>Coffee</i>
11.00	<b>Hands-on on phantom and animal, Piezosurgery sinus approach</b> <i>LATERAL Sinus Lift</i>
12.30	<i>Lunch</i>
13.30	<b>Hands-on on phantom and animal, Bone Grafting Techniques</b>
15.30	<i>Coffee</i>
16.00	<b>Hands-on on phantom and animal, 3D Bone Reconstruction</b>
17.30	<i>Close</i>

Friday**SPECIAL ORAL SURGERY**

08.30	<i>Frenulum Surgical Treatments: Labial &amp; Buccal</i>
10.30	<i>Coffee</i>
11.00	<i>Salivary litiasis treatment in the Warthon conduct</i>
12.30	<i>Lunch</i>
13.30	<i>Dento-alveolar fractures: Diagnosis and treatment</i>
15.30	<i>Coffee</i>
16.00	<i>Surgical treatment of periapical lesions</i>
17.30	<i>Final session exam</i>
18.00	<i>Close</i>



## 4<sup>th</sup> MODULE - ICLO Cadaver Course October 08<sup>th</sup> - 09<sup>th</sup> 2018 / AREZZO

### Monday ICLO, Introduction

13.30 Welcome and Introduction

14.00 Topographic Anatomy: Bones of Splanchnocranium, Ligaments, Chewing muscles, Arterial and Venous Vessels: External Carotid Artery and Juggling, main branches and their course.

*Trigeminal Nerve: Course and relationship between the ophthalmic, maxillary and mandibular.*

*Salivary glands: sublingual, submandibular and parotid.*

*Anatomy of the maxillary sinus and nasal pits*

*Surgical Anatomy: Oral Surgery and Implant Surgery in Respect of noble structures*

16.30 Coffee

16.45 Treatment of Bone Atrophies in Oral and Implant Surgery: Sinus Lifting By vestibular window or crestal access, bone grafts (Tech Picking from chin, upright branch, tuber)

*Flap passivation techniques: vestibular approach and lingual approach  
Techniques for use of titanium grids for horizontal increase and Vertical crest*

*GBR Concepts: Modeling, Positioning and Fixing of membranes*

*Suture Techniques Compared*

*Piezoelectric surgery: use in resective surgery, Extractive and sinus lifting*

17.45 Post-Mining Equipment: Indications, Limits and Long-term Success

18.45 Guided Surgery: Programming All-On-Four and Techniques All-On-Screw  
Handling of immediate load

19.15 Presentation of the instrument that will be used in the sector hall

19.30 Close



Tuesday

## ICLO, Hands-on on Cadavers

07.30 *Practical Exercise of Participants with Tutor's Guide: Identification and preparation of vascular and nervous structures at risk of the upper and mandible upper jaw area related to the practices day surgery*

08.00 *Drawing of the flap, full and thick engravings, passivation of the lingual and buccal flap*

*Bone Harvesting: Tuber, chin and oblique line using rotating and ultrasonic instruments*

10.30 *Coffee*

10.45 *GBR Techniques: preparation of the receiving site, positioning of Titanium membranes and grids and fixation of bone grafts*

*Split Crest: use of expansions and ultrasonic instruments, suture technique*

11.15 *Post-extracting plants: Atraumatic extraction, technique and execution on the basis of scientific evidence*

*Collection of connective tissue and epithelial connective tissue*

11.45 *All-On-Four, All-On-Screw in the upper and lower arches*

13.30 *Lunch*

14.00 *Sinus lifting: Access to crestal and vestibular way, method of Clearing the sinus membrane, Schneider Membrane Repair Techniques*

14.30 *Determining the floor of the nasal cavities and lifting the mucosa*

16.30 *Coffe*

16.45 *Practical exercise of the participants with the tutor's guidance*

*Anatomical Dissolution:*

- *Localization and preparation of the pelvis nerve, of the alveolar nerve*
- Lower and lingual nerve*
- *Localization of facial artery*
- *Insertion of chewing muscles*
- *Localization of the major artery artery and infra-orbit artery*
- *Bichat bubble*
- *Anatomical study of the course of the outer carotid and its front branches*
- *Anatomical study of temporo-mandibular joint*

19.00 *Close*



**5<sup>th</sup> MODULE****December 10<sup>th</sup> - 14<sup>th</sup> 2018 / ROME****Monday IMPLANT PROSTHETIC THERAPY**

08.30	<i>Implant prosthesis in daily clinical</i>
10.30	<i>Coffee</i>
11.00	<i>Mono, multi and total implant prosthetic approach</i>
12.30	<i>Lunch</i>
13.30	<i>Success Rate and factors in implantology</i>
14.30	<i>Risk factors and failure in implantology</i>
15.30	<i>Coffee</i>
16.00	<i>Aesthetic in Implant Rehabilitations</i>
17.00	<i>Occlusion, Successful &amp; Asthetic Rehabilitation from Simple to Complex</i>
18.00	<i>Close</i>

**Tuesday DIGITAL DENTAL SURGERY**

08.30	<i>Digital Flux: from Virtual Planning to Chair side.</i>
10.30	<i>Coffee</i>
11.00	<i>Computer Aided Implantology</i>
13.00	<i>Lunch</i>
13.30	<i>Toronto vs Coloumbus protocol</i>
14.30	<i>B.O.P.T Technique</i>
15.30	<i>Coffee</i>
16.00	<i>From Implant Platform to Prosthesis: Basic Concepts to New Approach</i>
17.00	<i>Orthodontic Concepts in Implant Prosthetics</i>
18.00	<i>Close</i>

Wednesday **IMMEDIATE IMPLANTS & IMMEDIATE LOADING**

08.30	<i>Immediate implant</i>
10.30	<i>Coffee</i>
11.00	<i>Immediate loading: concepts</i>
12.30	<i>Lunch</i>
13.30	<i>Intraoral Welding Technique in Immediate Prosthesis</i>
15.30	<i>Coffee</i>
16.00	<i>Immediate loading: materials and techniques</i>
17.30	<i>Final session exam</i>
18.00	<i>Close</i>

Thursday **FINAL THESIS**

08.30	<i>Thesis discussion</i>
13.00	<i>Lunch</i>
14.00	<i>Thesis discussion</i>
18.00	<i>Close</i>

Friday **COURSE CONCLUSION**

08.30	<i>Thesis discussion</i>
12.30	<i>Lunch</i>
13.30	<i>LECTIO MAGISTRALIS</i>
14.30	<i>Coffee</i>
15.00	<i>LECTIO MAGISTRALIS</i>
16.00	<i>Diploma Ceremony</i>
19.30	<i>Graduation Dinner</i>