



**UNIVERSITÀ
DI SIENA
1240**

General Information

Title
Postgraduate Master's Programme (First-level): Dental Traumatology
Educational Objectives
The study programme of the Postgraduate Master's Programme in Dental Traumatology follows a logical progression, beginning with foundational concepts and biological responses to trauma, then moving through the diagnosis and management of hard- and soft-tissue injuries, pulpal and periodontal complications, aesthetic rehabilitation and paediatric trauma, and finally addressing orthodontic considerations and long-term restorative and implant-prosthodontic solutions. Particular emphasis is placed on the critical appraisal of contemporary literature, guideline-based care (IADT), and case-based learning to strengthen clinical reasoning and prognostic assessment. By the end of the programme, participants will be able to assess and manage traumatic dental injuries across different age groups, formulate comprehensive treatment plans, prevent and manage complications, and communicate effectively with patients and clinical teams.
Credits (CFU/ECTS)
120
Total Hours
3000
Programme Duration (months)
24
Application/Enrolment Deadline
1 December 2026
Start Date
January 2027
End Date
January 2029
Maximum Percentage of Permitted Absences
20%

Website //
Language of Instruction English
Department Department of Medical Biotechnologies (Dipartimento di Biotechnologie Mediche - DBM)
Teaching Contact Simone Grandini – e-mail simone.grandini@unisi.it

Agreements and Partnerships

Agreements or Partnerships Agreement
Partner Institutions Dentalnecto S.R.L.

Admission Requirements

Class	Description	Degree Type
LM-46	Dentistry and Dental Prosthodontics (new university system pursuant to d.m. 270/04)	LM
LS52	Dentistry and Dental Prosthodontics	LS
-	Medicine and Surgery	V.O.
-	Dentistry and Dental Prosthodontics	V.O.
Degree class abbreviations - L: Bachelor's Degree; LS: Specialist Degree; LM: Master's Degree; V.O.: Pre-reform Degree; DU: University Diploma		
The qualifications listed above refer to the Italian higher education system. Applicants holding an academic qualification obtained abroad may apply provided that it is deemed comparable, solely for admission purposes, in terms of level, nature, content and academic rights, to the Italian qualification required for admission to the Course.		
Applicants who have not yet obtained the qualification required for admission may be admitted conditionally. Admission shall be confirmed upon attainment of the required qualification and, in any event, no later than the date of the admission tests or the assessment of applicants' curricula. The Selection Committee reserves the right to assess applications submitted by candidates holding qualifications other than those listed above, provided that their curriculum includes additional education and training and/or specific activities relevant to the subject area of the Postgraduate Master's Programme.		

Direct Clinical Activities Involving Patients
No
Possibility of Carrying Out Practical Activities Using Simulation Mannequins
Yes
Registration with a Professional Register
No
Specialisation
No

Application for Admission or Enrolment

Admission/Enrolment Procedure	
Admission through a competitive selection procedure	
Documents to be attached	
Curriculum vitae et studiorum	
Abstract of the degree thesis	
Any publications	
Any other qualifications	
Selection Procedure	
Curriculum Vitae Assessment: Tuesday, 15 December 2026	
Assessment of Supporting Documents	
Qualification Category	Score out of 30
Academic qualification	22
Specialisation diplomas or certificates and professional qualifications	3
Additional qualifications	5
Minimum Number of Enrolments	
15	
Maximum Number of Places Available	
50	
Maximum Number of Reserved Places Provided for under the Establishing Agreement	
47	

Enrolment Fees

Total Amount (€)
3500
First Instalment (€)
1750
Second Instalment (€)
1750
Second Instalment Deadline
Tuesday, 1 February 2028
Reduced Enrolment Fee Provided for under the Establishing Agreement (€)
3500

Programme Structure

Mode of Delivery
Blended (teaching activities are delivered partly in person and partly online under the lecturer's supervision)
Venue
Le Scotte University Hospital (Siena - Italy), Teaching Floor, Department of Endodontics and Restorative Dentistry, Building II, Seventh Floor

Subject Area: FOUNDATIONS OF DENTAL TRAUMATOLOGY Total Subject Area Credits: 6 Subject Area Coordinators: Gaeta Carlo - Gliga Alexandru - Grandini Simone
<i>Learning Activity:</i> CLASSIFICATION OF TRAUMATIC DENTAL INJURIES (IADT-BASED), TRAUMA ASSESSMENT, AND DIAGNOSTIC PROTOCOLS <i>CREDITS (CFU/ECTS):</i> 1 <i>Italian Scientific-Disciplinary Sector - SSD:</i> MED/28 - ORAL DISEASES AND DENTISTRY
<i>Learning Activity:</i> CLINICAL DOCUMENTATION, MEDICO-LEGAL CONSIDERATIONS, ETHICAL RESPONSIBILITIES, DIAGNOSIS, PROGNOSIS, AND PSYCHOSOCIAL IMPACT OF DENTAL TRAUMA (CASE-BASED DISCUSSION) <i>CREDITS (CFU/ECTS):</i> 1 <i>Italian Scientific-Disciplinary Sector - SSD:</i> MED/28 - ORAL DISEASES AND DENTISTRY

Learning Activity: EPIDEMIOLOGY, ETIOLOGY, AND RISK FACTORS OF TRAUMATIC DENTAL INJURIES
TRAUMATICHE

CREDITS (CFU/ECTS): 1

Italian Scientific-Disciplinary Sector - SSD: MED/28 - ORAL DISEASES AND DENTISTRY

Learning Activity: BIOLOGICAL PRINCIPLES OF DENTAL TRAUMA: WOUND HEALING AND TISSUE RESPONSE

CREDITS (CFU/ECTS): 1

Italian Scientific-Disciplinary Sector - SSD: MED/28 - ORAL DISEASES AND DENTISTRY

Learning Activity: REPAIR AND REGENERATION OF ORAL TISSUES FOLLOWING TRAUMA

CREDITS (CFU/ECTS): 1

Italian Scientific-Disciplinary Sector - SSD: MED/28 - ORAL DISEASES AND DENTISTRY

Learning Activity: RADIOGRAPHIC ASSESSMENT IN DENTAL TRAUMA: CONVENTIONAL IMAGING AND CBCT

CREDITS (CFU/ECTS): 1

Italian Scientific-Disciplinary Sector - SSD: MED/28 - ORAL DISEASES AND DENTISTRY

Subject Area: TRAUMATIC INJURIES OF HARD DENTAL TISSUES AND LUXATION INJURIES

Total Subject Area Credits: 6

Subject Area Coordinators: Gaeta Carlo - Grandini Simone

Learning Activity: ROOT FRACTURES: DIAGNOSIS, TREATMENT PLANNING, PROGNOSIS, AND LONG-TERM FOLLOW-UP

CREDITS (CFU/ECTS): 1

Italian Scientific-Disciplinary Sector - SSD: MED/28 - ORAL DISEASES AND DENTISTRY

Learning Activity: AVULSION INJURIES: EMERGENCY MANAGEMENT, REPLANTATION PROTOCOLS, AND PREVENTION OF COMPLICATIONS

CREDITS (CFU/ECTS): 1

Italian Scientific-Disciplinary Sector - SSD: MED/28 - ORAL DISEASES AND DENTISTRY

Learning Activity: LUXATION INJURIES: DIAGNOSIS AND MANAGEMENT OF CONCUSSION, SUBLUXATION, AND DISPLACEMENT INJURIES

CREDITS (CFU/ECTS): 1

Italian Scientific-Disciplinary Sector - SSD: MED/28 - ORAL DISEASES AND DENTISTRY

Learning Activity: INJURIES OF HARD DENTAL TISSUES: CLASSIFICATION, CROWN AND CROWN-ROOT FRACTURES

CREDITS (CFU/ECTS): 1

Italian Scientific-Disciplinary Sector - SSD: MED/28 - ORAL DISEASES AND DENTISTRY

Learning Activity: AESTHETIC REHABILITATION AFTER DENTAL TRAUMA: EMERGENCY MANAGEMENT AND LONG-TERM RESTORATIVE STRATEGIES

CREDITS (CFU/ECTS): 1

Italian Scientific-Disciplinary Sector - SSD: MED/28 - ORAL DISEASES AND DENTISTRY

Learning Activity: FRAGMENT REATTACHMENT VERSUS DIRECT AND INDIRECT RESTORATIVE APPROACHES
CREDITS (CFU/ECTS): 1
Italian Scientific-Disciplinary Sector - SSD: MED/28 - ORAL DISEASES AND DENTISTRY

Subject Area: ALVEOLAR BONE, SOFT TISSUE, AND MAXILLOFACIAL TRAUMA

Total Subject Area Credits: 6

Subject Area Coordinators: Gliga Alexandru - Grandini Simone

Learning Activity: ALVEOLAR BONE FRACTURES: DIAGNOSIS, MANAGEMENT, AND PROGNOSIS
CREDITS (CFU/ECTS): 1
Italian Scientific-Disciplinary Sector - SSD: MED/28 - ORAL DISEASES AND DENTISTRY

Learning Activity: SOFT TISSUE INJURIES IN DENTAL TRAUMA: CLASSIFICATION AND EMERGENCY MANAGEMENT
CREDITS (CFU/ECTS): 1
Italian Scientific-Disciplinary Sector - SSD: MED/28 - ORAL DISEASES AND DENTISTRY

Learning Activity: INTERNATIONAL GUIDELINES AND DIGITAL RESOURCES IN DENTAL TRAUMATOLOGY (IADT, DENTAL TRAUMA GUIDE, TOOTH SOS)
CREDITS (CFU/ECTS): 1
Italian Scientific-Disciplinary Sector - SSD: MED/28 - ORAL DISEASES AND DENTISTRY

Learning Activity: PRINCIPLES OF SUTURING AND WOUND CLOSURE IN TRAUMATIC INJURIES
CREDITS (CFU/ECTS): 1
Italian Scientific-Disciplinary Sector - SSD: MED/28 - ORAL DISEASES AND DENTISTRY

Learning Activity: SPLINTING IN DENTAL TRAUMA: INDICATIONS, TECHNIQUES, TIMING, AND COMPLICATIONS
CREDITS (CFU/ECTS): 1
Italian Scientific-Disciplinary Sector - SSD: MED/28 - ORAL DISEASES AND DENTISTRY

Learning Activity: SEVERE MAXILLOFACIAL TRAUMA: HOSPITAL-BASED MANAGEMENT AND THE ROLE OF THE ORAL AND MAXILLOFACIAL SURGEON
CREDITS (CFU/ECTS): 1
Italian Scientific-Disciplinary Sector - SSD: MED/28 - ORAL DISEASES AND DENTISTRY

Subject Area: PULPAL RESPONSES AND ENDODONTIC MANAGEMENT OF TRAUMATIZED TEETH

Total Subject Area Credits: 6

Subject Area Coordinators: Grandini Simone - Tzimpoulas Nestor

Learning Activity: ADVANCED CASE DISCUSSIONS: TECHNIQUES, MATERIALS, AND CLINICAL DECISION-MAKING
CREDITS (CFU/ECTS): 1
Italian Scientific-Disciplinary Sector - SSD: MED/28 - ORAL DISEASES AND DENTISTRY

Learning Activity: BIOCERAMIC MATERIALS IN THE MANAGEMENT OF TRAUMATIZED TEETH

CREDITS (CFU/ECTS): 1

Italian Scientific-Disciplinary Sector - SSD: MED/28 - ORAL DISEASES AND DENTISTRY

Learning Activity: REGENERATIVE ENDODONTIC PROCEDURES IN DENTAL TRAUMA

CREDITS (CFU/ECTS): 1

Italian Scientific-Disciplinary Sector - SSD: MED/28 - ORAL DISEASES AND DENTISTRY

Learning Activity: PULPAL RESPONSES TO TRAUMA: HISTOPATHOLOGY, DIAGNOSIS, AND CLINICAL IMPLICATIONS

CREDITS (CFU/ECTS): 1

Italian Scientific-Disciplinary Sector - SSD: MED/28 - ORAL DISEASES AND DENTISTRY

Learning Activity: APEXIFICATION TECHNIQUES IN IMMATURE TRAUMATIZED TEETH

CREDITS (CFU/ECTS): 1

Italian Scientific-Disciplinary Sector - SSD: MED/28 - ORAL DISEASES AND DENTISTRY

Learning Activity: VITAL PULP THERAPY IN TRAUMATIZED TEETH

CREDITS (CFU/ECTS): 1

Italian Scientific-Disciplinary Sector - SSD: MED/28 - ORAL DISEASES AND DENTISTRY

Subject Area: ROOT RESORPTION FOLLOWING DENTAL TRAUMA

Total Subject Area Credits: 6

Subject Area Coordinators: Grandini Simone - Panagiota Kardara

Learning Activity: INTERACTIVE CASE DISCUSSIONS AND QUESTION-AND-ANSWER SESSION

CREDITS (CFU/ECTS): 1.5

Italian Scientific-Disciplinary Sector - SSD: MED/28 - ORAL DISEASES AND DENTISTRY

Learning Activity: INVASIVE CERVICAL RESORPTION: CONTEMPORARY CONCEPTS AND CLINICAL MANAGEMENT

CREDITS (CFU/ECTS): 1.5

Italian Scientific-Disciplinary Sector - SSD: MED/28 - ORAL DISEASES AND DENTISTRY

Learning Activity: EXTERNAL ROOT RESORPTION: CLASSIFICATION, DIAGNOSIS, AND TREATMENT STRATEGIES

CREDITS (CFU/ECTS): 1.5

Italian Scientific-Disciplinary Sector - SSD: MED/28 - ORAL DISEASES AND DENTISTRY

Learning Activity: INTERNAL ROOT RESORPTION: ETIOLOGY, PATHOPHYSIOLOGY, DIAGNOSIS, AND MANAGEMENT

CREDITS (CFU/ECTS): 1.5

Italian Scientific-Disciplinary Sector - SSD: MED/28 - ORAL DISEASES AND DENTISTRY

Subject Area: PERIODONTAL AND IMPLANT CONSIDERATIONS AFTER DENTAL TRAUMA

Total Subject Area Credits: 6

Subject Area Coordinators: Gaeta Carlo - Grandini Simone

Learning Activity: PERIODONTAL COMPLICATIONS FOLLOWING DENTAL TRAUMA AND THEIR MANAGEMENT
CREDITS (CFU/ECTS): 1
Italian Scientific-Disciplinary Sector - SSD: MED/28 - ORAL DISEASES AND DENTISTRY

Learning Activity: INTERDISCIPLINARY ENDODONTIC-PERIODONTAL CASE DISCUSSIONS
CREDITS (CFU/ECTS): 1
Italian Scientific-Disciplinary Sector - SSD: MED/28 - ORAL DISEASES AND DENTISTRY

Learning Activity: ALVEOLAR BONE LOSS AND SOFT TISSUE SEQUELAE: ENDODONTIC-PERIODONTAL INTERACTIONS
CREDITS (CFU/ECTS): 1
Italian Scientific-Disciplinary Sector - SSD: MED/28 - ORAL DISEASES AND DENTISTRY

Learning Activity: PERIODONTAL TISSUE BIOLOGY AND CELLULAR RESPONSES TO DENTAL TRAUMA
CREDITS (CFU/ECTS): 1
Italian Scientific-Disciplinary Sector - SSD: MED/28 - ORAL DISEASES AND DENTISTRY

Learning Activity: IMPLANT THERAPY IN THE AESTHETIC ZONE AFTER TRAUMA: SURGICAL CONSIDERATIONS
CREDITS (CFU/ECTS): 1
Italian Scientific-Disciplinary Sector - SSD: MED/28 - ORAL DISEASES AND DENTISTRY

Learning Activity: IMPLANT THERAPY IN THE AESTHETIC ZONE AFTER TRAUMA: PROSTHETIC CONSIDERATIONS
CREDITS (CFU/ECTS): 1
Italian Scientific-Disciplinary Sector - SSD: MED/28 - ORAL DISEASES AND DENTISTRY

Subject Area: DENTAL TRAUMA IN THE PRIMARY DENTITION AND DEVELOPING DENTITION
Total Subject Area Credits: 6
Subject Area Coordinators: Gliga Alexandru - Grandini Simone

Learning Activity: COMPLICATIONS IN THE PRIMARY DENTITION AND EFFECTS ON DEVELOPING PERMANENT TEETH
CREDITS (CFU/ECTS): 1
Italian Scientific-Disciplinary Sector - SSD: MED/28 - ORAL DISEASES AND DENTISTRY

Learning Activity: BEHAVIOR MANAGEMENT, PARENTAL COMMUNICATION, CHILD PROTECTION, AND ETHICAL CONSIDERATIONS
CREDITS (CFU/ECTS): 1
Italian Scientific-Disciplinary Sector - SSD: MED/28 - ORAL DISEASES AND DENTISTRY

Learning Activity: MANAGEMENT OF LUXATION AND AVULSION INJURIES IN THE PRIMARY DENTITION
CREDITS (CFU/ECTS): 1
Italian Scientific-Disciplinary Sector - SSD: MED/28 - ORAL DISEASES AND DENTISTRY

Learning Activity: MANAGEMENT OF HARD TISSUE INJURIES IN THE PRIMARY DENTITION

CREDITS (CFU/ECTS): 1

Italian Scientific-Disciplinary Sector - SSD: MED/28 - ORAL DISEASES AND DENTISTRY

Learning Activity: INJURIES TO DEVELOPING TEETH: PSYCHOSOCIAL, LEGAL, AND ETHICAL IMPLICATIONS

CREDITS (CFU/ECTS): 1

Italian Scientific-Disciplinary Sector - SSD: MED/28 - ORAL DISEASES AND DENTISTRY

Learning Activity: DENTAL TRAUMA IN THE PRIMARY DENTITION: CLASSIFICATION AND DIAGNOSTIC ASSESSMENT

CREDITS (CFU/ECTS): 1

Italian Scientific-Disciplinary Sector - SSD: MED/28 - ORAL DISEASES AND DENTISTRY

Subject Area: ORTHODONTIC AND AUTOTRANSPLANTATION APPROACHES IN DENTAL TRAUMA

Total Subject Area Credits: 10

Subject Area Coordinators: Grandini Simone - Tzimpoulas Nestor

Learning Activity: AUTOTRANSPLANTATION IN DENTAL TRAUMA: CLINICAL APPLICATIONS AND LONG-TERM OUTCOMES

CREDITS (CFU/ECTS): 2

Italian Scientific-Disciplinary Sector - SSD: MED/28 - ORAL DISEASES AND DENTISTRY

Learning Activity: AUTOTRANSPLANTATION IN DENTAL TRAUMA: BIOLOGICAL PRINCIPLES AND SURGICAL PROTOCOLS

CREDITS (CFU/ECTS): 2

Italian Scientific-Disciplinary Sector - SSD: MED/28 - ORAL DISEASES AND DENTISTRY

Learning Activity: ORTHODONTIC MANAGEMENT DURING AND AFTER DENTAL TRAUMA

CREDITS (CFU/ECTS): 2

Italian Scientific-Disciplinary Sector - SSD: MED/28 - ORAL DISEASES AND DENTISTRY

Learning Activity: ORTHODONTICS AND DENTAL TRAUMA: PRINCIPLES AND INTERDISCIPLINARY CONSIDERATIONS

CREDITS (CFU/ECTS): 2

Italian Scientific-Disciplinary Sector - SSD: MED/28 - ORAL DISEASES AND DENTISTRY

Learning Activity: ORTHODONTIC STRATEGIES FOR THE PREVENTION OF TRAUMATIC DENTAL INJURIES

CREDITS (CFU/ECTS): 1

Italian Scientific-Disciplinary Sector - SSD: MED/28 - ORAL DISEASES AND DENTISTRY

Learning Activity: TIMING, GROWTH CONSIDERATIONS, AND MULTIDISCIPLINARY TREATMENT PLANNING

CREDITS (CFU/ECTS): 1

Italian Scientific-Disciplinary Sector - SSD: MED/28 - ORAL DISEASES AND DENTISTRY

Subject Area: PREVENTION, PUBLIC HEALTH, AND PROGRAM ASSESSMENT Total Subject Area Credits: 8 Subject Area Coordinators: Grandini Simone - Panagiota Kardara
<i>Learning Activity:</i> PUBLIC EDUCATION AND COMMUNITY-BASED PREVENTION STRATEGIES <i>CREDITS (CFU/ECTS):</i> 2 <i>Italian Scientific-Disciplinary Sector - SSD:</i> MED/28 - ORAL DISEASES AND DENTISTRY
<i>Learning Activity:</i> MOUTHGUARDS: TYPES, FABRICATION, AND CLINICAL INDICATIONS <i>CREDITS (CFU/ECTS):</i> 2 <i>Italian Scientific-Disciplinary Sector - SSD:</i> MED/28 - ORAL DISEASES AND DENTISTRY
<i>Learning Activity:</i> PREVENTION OF TRAUMATIC DENTAL INJURIES: RISK ASSESSMENT AND STRATEGIES <i>CREDITS (CFU/ECTS):</i> 2 <i>Italian Scientific-Disciplinary Sector - SSD:</i> MED/28 - ORAL DISEASES AND DENTISTRY
<i>Learning Activity:</i> SPORTS-RELATED DENTAL TRAUMA: ON-FIELD ASSESSMENT AND IMMEDIATE CARE <i>CREDITS (CFU/ECTS):</i> 2 <i>Italian Scientific-Disciplinary Sector - SSD:</i> MED/28 - ORAL DISEASES AND DENTISTRY
Internship/Placement Internship
Internship/Placement Activities Practical exercises using simulation mannequins
Internship/Placement Venue Le Scotte University Hospital (Siena - Italy), Teaching Floor, Department of Endodontics and Restorative Dentistry, Building II, Seventh Floor
Credits Awarded for the Internship/Placement 50 Credits (CFU/ECTS)/ECTS
Internship/Placement Hours 1500
Internship/Placement Completion Date January 2029
Internship/Placement Supervisors: Gaeta Carlo - Gliga Alexandru - Grandini Simone

Intermediate Assessment Methods
Oral examination and practical examination using a simulation mannequin
Final Assessment Method
Dissertation or final project
Credits Awarded for the Final Assessment
10

Governing Bodies

Teaching Board
Body composed of all Area Coordinators
Executive Board
No