

Rules of the Master Degree Course in Oral Health Sciences and Technologies

Article 1

Course

The Universidade de Lisboa, through the Faculdade de Medicina Dentária of the Universidade de Lisboa (FMDUL), grants the Master degree in Oral Health Sciences and Technologies, created by Regulation No. 400/2024, published in the Diário da República No. 69/2024, Series II of 2024-04-08.

Article 2

Scientific Area

The course is in the scientific area of Oral Health Sciences and Technologies, according to Table 1, 2 and 3 of the Attachments chapter.

Article 3

Aims and Objectives

1 - The Master's degree course in Oral Health Sciences and Technologies (MCTSO), hereinafter called Course, aims at the acquisition of scientific knowledge and advanced skills for study and research in the field of Oral Health Sciences and Technologies, as well as for the development of practical applications in the respective area of scientific knowledge.

2 - At the end of the Course, students should have the knowledge and skills that enable them to contribute to the improvement of the oral health of the population and of the health system, both in Portugal and more widely, at the scientific, professional and citizenship levels, and should be able to:

- a) To gather, analyse and present with rigor the current state of knowledge on the main issues of Oral Health and its aspects;
- b) Participate in the planning, execution, and evaluation of concrete actions in the area of Oral Health Sciences and Technologies;
- c) Demonstrate comprehensive knowledge of the scientific basis of Oral Health Sciences and Technologies and specialized knowledge of related areas;
- d) Reflect on and critically and continuously evaluate their professional practice.

e) Contribute, as a professional and citizen, to the development and innovation of Oral Health Sciences and Technologies, promoting their continuous improvement.

3 - Masters students must also have, at the end of the program, the capacity to produce new knowledge, namely through their participation in research studies in Oral Health Sciences and Technologies domains.

Article 4

Duration and organization of the course

The course lasts 4 semesters and is developed in two stages: a curricular phase (specialization course) lasting 3 semesters and the preparation and elaboration of an original dissertation of a scientific nature, specially made for this purpose, which takes place in the 4th semester.

Article 5

Rules for admission to the study cycle

1 — Can apply to the Master degree in Oral Health Sciences and Technologies-Specialization in Oral Hygiene:

- a) Holders of a first study cycle degree in Oral Hygiene or legal equivalent.
- b) Holders of a foreign higher education degree in Oral Hygiene, awarded following a first study cycle organized according to the principles of the Bologna Process by a State adhering to this Process.
- c) Holders of a foreign higher academic degree in Oral Hygiene that is recognized as meeting the objectives of the bachelor's degree ("*Licenciado*") in Oral Hygiene by the Scientific Council of the FMDUL.
- d) Holders of an academic, scientific, or professional curriculum in Oral Hygiene that is recognized as attesting the capacity to carry out this cycle of studies by the Scientific Council of the FMDUL.

2 — Can apply to the Master degree in Oral Health Sciences and Technologies-Specialization in Dental Technology:

- a) Holders of a first study cycle degree in Dental Technology or legal equivalent.
- b) Holders of a foreign higher academic degree in Dental Technology, awarded following a first study cycle organized according to the principles of the Bologna Process by a State adhering to this Process.

c) Holders of a foreign higher academic degree in Dental Technology that is recognized as meeting the objectives of the bachelor's degree (*Licenciado*) in Dental Technology by the Scientific Council of the FMDUL.

d) Holders of an academic, scientific, or professional curriculum in Dental Technology that is recognized as attesting the capacity to carry out this cycle of studies by the Scientific Council of the FMDUL.

3 — Can apply to the Master degree in Oral Health Sciences and Technologies-Specialization in Oral Biomedical Sciences:

a) Holders of a first study cycle degree or legal equivalent in the scientific area(s) of the master programme in Oral Health Sciences and Technologies and other related areas.

4 —The recognition referred to in sub-paragraphs b) to d) of number 1 and 2 has the effect of only granting access to the cycle of studies leading to the master's degree and does not confer on its holder the equivalence to the degree of first level course or the recognition of that degree.

5 - The candidature norms are annually advertised by the FMDUL by means of a notice.

6 - Applications will be evaluated and ranked by the Course Coordinating Council, and the criteria used for ranking are the degree classification, the academic, scientific, and professional syllabus, and an interview.

7 - Minutes will be drawn up describing the jury's actions and justifying the deliberations made.

8 - The number of vacancies, the deadlines for applications and the selection calendar are approved by the Scientific Council of the FMDUL, based on a proposal from the Course Coordinating Council.

9 - The number of vacancies, the deadlines for applications, enrolment, the selection calendar, the nominal list of candidates admitted and not admitted to enrolment, as well as the deadlines for their completion, will be posted and publicized through the FMDUL's official media.

10 - The enrolment and attendance of the course presuppose the payment of fees that will be fixed and advertised according to the legislation and direction of the FMDUL.

Article 6

Conditions and start-up

The course will run as long as at least ten students have been admitted and registered.

Article 7

Study plan and curricular structure

1 - The course is organized according to the European Credit Transfer and System (ECTS).

2 - The total number of credits required to obtain the master's degree of Oral Health Sciences and Technologies is 120.

3 - The first three semesters are structured in course units that correspond to 90 credits (ECTS).

4 - The course's study plan is completed in the 4th semester with the elaboration of a dissertation (of a scientific nature, original and specially made for this purpose), its discussion and approval.

5 - The dissertation is carried out under the course unit "Dissertation", which corresponds to 30 credits (ECTS).

6 - The curricular units that make up the curricular structure are identified in Table 4 in the attachments.

Article 8

Precedence and evaluation system

1 - The second year of the course can only be attended by students who have completed with full approval the study plan of the first two semesters.

2 - The preparation, elaboration, and discussion of the dissertation, corresponding to the fourth semester of the course, can only be done by students who have successfully completed the course unit of the 3rd semester.

3 - Attendance of course units may imply precedence, namely in the specialization of Oral Hygiene the course unit Advanced Clinical Intervention I is precedent of the course unit of Advanced Clinical Intervention II; and in the specialization of Dental Technology the course unit Computer Aided Planning and Design I is precedent of the course unit of Computer Aided Planning and Design II.

4 - The classification in each of the curricular units that integrate the study plan is made on a numerical integer scale from 0 to 20 points, implying approval:

- a) Minimum attendance of 90% of the time established as contact hours;
- b) A minimum final classification of 10 points resulting from the constituent elements of the evaluation established in each curricular unit.

5 - Students who have not passed a given course unit may take an appeal exam on a date to be established by the school Calendar.

6 -The grade resulting from the assessment in each curricular unit will be fixed within the maximum period defined in the Regulation for the Evaluation of Students' Knowledge and Skills of the Faculdade de Medicina Dentária of the Universidade de Lisboa (Regulation No. 868/2021)

7- The system for crediting curricular units will be evaluated on a case-by-case basis by the Course Coordinating Council, considering their syllabus.

Article 9

Prescription system

The prescription regime follows that established in the applicable legislation in force.

Article 10

1 - All students must register their dissertation topic and language within the deadlines set annually by the Scientific Council.

2 - The registration foreseen in the previous number must be done simultaneously with the proposal of the supervisor and the respective declaration of acceptance.

Article 11

Guidance

1 - The preparation of the dissertation is supervised by a professor or doctoral researcher from the Faculdade de Medicina Dentária of the Universidade de Lisboa.

2 - The Scientific Council designates the supervisor, under proposal of the student and upon express acceptance of the proposed person.

3 - The Scientific Council may accept situations of co-supervision limited to a maximum of two members of the mentoring team.

4 - In the cases foreseen in the previous number, one of the co-supervisors may be a professor or PhD researcher from the Faculdade de Medicina Dentária at the Universidade de Lisboa or a professor or PhD researcher from another higher education and/or scientific research institution, national or foreign, recognized as competent by the Scientific Council.

5 - The student may request to the Scientific Council, through a duly justified proposal, the substitution of the supervisor, requiring express acceptance of the proposed new supervisor.

6 - The supervisor may at any time ask the Scientific Council, through a duly justified proposal, to renounce the student's supervision.

Article 12

Follow-up process for the elaboration of the dissertation

1 - The advisor must effectively and actively guide the student in the preparation of the dissertation.

2 - The advisor's duties are to:

- a) Ensure the existence of the necessary conditions for the development of the student's work;
- b) Accompany the work, advising the student on how best to achieve the objectives of his or her dissertation project;
- c) Inform the student whenever you judge his or her progress to be unsatisfactory;
- d) Guide the organization and review the text of the dissertation.

3 - The student's duties are to:

- a) Carry out their work and promote their scientific knowledge through careful study of subjects relevant to their training;
- b) Keep your supervisor regularly informed of the progress of your work, as agreed upon by them.

Article 13

Guidelines for the presentation of the dissertation

1 - The dissertation may be written in Portuguese or in English.

2 - When the dissertation is written in Portuguese, it must respect the Orthographic Agreement of the Portuguese Language in force.

3 - The rules for presenting the dissertation are defined in a specific document, approved by the Scientific Council.

Article 14

Delivery of the dissertation and admission to the exams

1 - All students must submit their dissertation within the deadlines set annually by the Scientific Council.

2 - The request for admission to dissertation defence examinations must be addressed to the president of the Scientific Council, using the appropriate form.

3 - Together with the request, the student must deliver the following elements:

a) 1 printed or photocopied copies of the dissertation; after the corrections indicated in the dissertation defence.

b) 1 copy of the dissertation in digital format, not editable;

c) Declaration of acceptance of the dissertation signed by the advisor.

d) Statement regarding the availability for digital consultation through the Universidade de Lisboa's Digital Repository.

5 - If there is no reason to reject the request for admission to the exams, in a decision based on the lack of legally required assumptions, the Scientific Council presents the proposal for the composition of the jury to the Dean of the Faculty.

6 - Plagiarism and fraudulent copying will lead to exclusion from final evaluation and will be subject to academic disciplinary procedure.

Article 15

Jury of the public examinations to discuss and evaluate the Dissertation

1 - The dissertation is subject to public discussion and evaluation by a jury appointed by the Director of the FMDUL on the proposal of the Scientific Council.

2 - The jury will be composed of three to five elements, and one of them, other than the president, may be the advisor. The president of the jury is the president of the Scientific Council or whoever he delegates.

3 - Whenever there is more than one advisor, only one can integrate the jury.

4 - The members of the jury must be specialists in the field of the dissertation and are appointed from among national or foreign doctoral degree holders.

5 - The jury's deliberations are made by a majority of its members, through justified roll-call voting, and abstentions are not allowed.

6 - Minutes will be taken of all the jury's acts, with their nominal votes and respective justifications, which may be common to all or some of the jury members.

Article 16

Deadlines for public discussion and evaluation

1 - The exams must take place within 90 days of the jury's appointment.

Article 17

Public examinations for dissertation defence

1 - The public exams for discussion and evaluation of the dissertation cannot exceed ninety minutes and all members of the jury must participate, and the student must have the same amount of time as the jury members.

2 - The candidate has up to 15 minutes to present the dissertation.

3 - It will be up to the jury president to define the way to distribute the mentioned times and the various interventions, respecting a maximum duration of 90 minutes, and to inform the candidate of this.

4 - The final classification of the dissertation implies the approval with a classification of at least 10 points by more than half of the members of the jury.

5 - The Scientific Council may establish complementary rules concerning evaluation criteria.

6 - In the case of exams that take place using teleconferencing, the jury meeting also takes place in this format, and the jury president must certify the voting declarations corresponding to the members that participate via teleconferencing

Article 18

Awarding of the master's degree and respective final classification

1 - The master's degree is conferred on students who pass all the components of the master's study cycle.

2 - Students who pass the cycle of studies leading to the degree of master are awarded final grades in the range of 10 to 20 on the numerical scale from 0 to 20, as well as on its equivalent on the European scale of comparability of grades.

3 - The final classification of the Course is the result of the weighted average, in function of the credits (ECTS), of all the classifications obtained in the curricular units including the Dissertation.

4 - The final classification of the cycle of studies leading to the master's degree, as mentioned in number 2, may be accompanied by qualitative statements of *Suficiente* (10-13), *Bom* (14-15), *Muito bom* (16-17), and *Excelente* (18-20), defined in accordance with Decree-Law no. 42/2005.

5 - The conclusion of the curricular component of the Course, while not conferring a degree, will grant, if requested, a diploma of post-graduate studies.

6 - The final mark of the curricular component of the Course will be calculated by the weighted average (according to the credits) of the marks obtained in the various curricular units of that component.

Article 19

Deadline for issuance of certificates, course letter and diploma supplement

1 - The certificate of registration, generically designated as diploma, and the course letter, resulting from the final approval in the Course, will be issued within a maximum of 90 working days after its request by the interested party.

Article 20

Monitoring by the scientific and pedagogical bodies

1 - Within the respective areas of competence, the course development obeys the rules and principles established by the Scientific and Pedagogical Councils of the FMDUL.

Article 21

Missing cases

Cases not covered by these regulations will be decided by the Director of the FMDUL, after hearing the FMDUL Scientific Council, considering the provisions applicable by FMDUL and Universidade de Lisboa regulations and by the legislation in force.

Attachements:

Curricular Structure

Specialization in Oral Hygiene

Table nº 1 - Scientific areas and credits that must be met to obtain the degree or diploma

		Credits	
		Required	Optional
Scientific area	Acronym		
Oral Health Sciences and Technologies	CTSO	55 ⁽¹⁾	0
Oral Hygiene Sciences	CHO	50	3
Social Sciences, Humanities and Education	CSHE	12	0
	Total	117⁽¹⁾	3⁽²⁾

1) 30 ECTS correspond to the Dissertation

2) Number of optional ECTS required to obtain the degree or diploma

Specialization in Dental Technology

Table nº 2 - Scientific areas and credits that must be met to obtain the degree or diploma

		Credits	
		Required	Optional
Scientific area	Acronym		
Oral Health Sciences and Technologies	CTSO	55 ⁽¹⁾	0
Dental Technology Sciences	CPD	50	3
Oral Rehabilitation Sciences	CRO	7	0
Social Sciences, Humanities and Education	CSHE	5	0
	Total	117⁽¹⁾	3⁽²⁾

1) 30 ECTS correspond to the Dissertation

2) Number of optional ECTS required to obtain the degree or diploma

Specialization in Oral Biomedical Sciences

Table nº 3 - Scientific areas and credits that must be met to obtain the degree or diploma

		Credits	
		Required	Optional
Área Científica	Acronym		
Oral Health Sciences and Technologies	CTSO	120	0
	Total	120⁽¹⁾	0

1) 30 ECTS correspond to the Dissertation

Table n° 4 - Study plan (Syllabus)

Course unit	Scientific area	Type	Working time (hours)		Credits	remarks
			Total	Contact hours by type (T;TP;PL;TC;S;E;OT;O)		
<i>Commun Core</i>						
<u>1st year</u>						
Oral Health Research I	CTSO	1st semester	224	48 - T=16; TP=32	8	Required
Epidemiology and Oral Public Health	CTSO	1st semester	112	24 - T=16; TP=8	4	Required
Oral Health Research II	CTSO	2nd semester	252	56 - T=16; TP=40	9	Required
<u>2nd year</u>						
Dissertation	CTSO	2nd semester	840	30 - OT=30	30	Required
<i>Specialization in Oral Hygiene</i>						
<u>1st year</u>						
Socioprofessional Foundations of Oral Hygiene	CTSO	1st semester	112	24 - T=16; TP=8	4	Required
Advanced Clinical Intervention I	CHO	1st semester	280	64 - TP=16; PL=32; S=16	10	Required
Health Management and Policy	CSHE	1st semester	112	24 - T=12; S=12	4	Required
Advanced Clinical Intervention I	CHO	2nd semester	280	64 - PL= 48; S=16	10	Required
Health Communication and Marketing	CSHE	2nd semester	224	48 - T=24; S=24	8	Required
Intervention in People with Special Needs	CHO	2nd semester	84	16 - PL=16	3*	Optional
Internship	CHO	2nd semester	84	16 - E=16	3*	Optional
Supervision in Oral Hygiene Clinic	CHO	2nd semester	84	16 - TP=16	3*	Optional
<u>2nd year</u>						
Advanced Research Seminars in Oral Hygiene	CHO	1st semester	840	30 - S=30	30	Required

* 3 ECTS are required to obtain the degree or diploma

Specialization in Dental Technology**1st year**

Computer-Aided Planning and Design I	CPD	1st semester	252	48 - TP=16; S=32	9	Required
Material and Computed Assisted Machining	CPD	1st semester	252	48 - TP=16; S=32	9	Required
Computer-Aided Planning and Design II	CPD	2nd semester	252	48 - TP=16; S=32	9	Required
Management and Entrepreneurship	CSHE	2nd semester	140	32 - TP=16; S=16	5	Required
Digital Information and Communication Technologies	CTSO	2nd semester	112	24 - TP=16; S=8	4	Required
Digital Technologies and Industry Seminars	CPD	2nd semester	84	16 - S=16	3*	Optional
Digital Laboratory Technology Seminars	CPD	2nd semester	84	16 - S=16	3*	Optional
Seminars in Digital Technology-Based Diagnostics	CPD	2nd semester	84	16 - S=16	3*	Optional

2nd year

Advanced Research Seminars in Dental Technology	CPD	1st semester	644	30 - S=30	23	Required
Digital Oral Rehabilitation	CRO	1st semester	84	30 - T=15; S=15	3	Required
Implantology	CRO	1st semester	112	24 - T=15; S=9	4	Required

* 3 ECTS are required to obtain the degree or diploma

Specialization in Oral Biomedical Sciences**1st year**

Oral Biomedical Sciences Seminars I	CTSO	1st semester	504	30 - S=10; PL=20	18	Required
Oral Biomedical Sciences Seminars II	CTSO	2nd semester	588	40 - S=10; PL=30	21	Required

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Advanced Research Seminars in Oral Biomedical Sciences	CTSO	1st semester	840	30 - S=30	30	Required
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