



**Faculty of Dental Medicine and Oral Health
Sciences (Graduate)**

Programs, Courses and University Regulations

2023-2024

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This publication provides guidance to prospects, applicants, students, faculty and staff.

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1	Dean's Welcome, page 7
2	Graduate and Postdoctoral Studies, page 7
2.1	Administrative Officers, page 7
2.2	Location, page 7
2.3	Graduate and Postdoctoral Studies' Mission, page 7
3	Important Dates, page 7
4	Graduate Studies at a Glance, page 8
5	Program Requirements, page 8
6	Graduate Admissions and Application Procedures, page 8
7	Fellowships, Awards, and Assistantships, page 8
8	Postdoctoral Research, page 8
8.1	Postdocs, page 8
8.2	Guidelines and Policy for Academic Units on Postdoctoral Education, page 9
8.3	Vacation Policy for Postdocs, page 10
8.4	Leave of Absence for Health and Parental/Familial Reasons, page 10
8.5	Postdoctoral Research Trainees, page 11
9	Graduate Studies Guidelines and Policies, page 11
10	Graduate Student Services and Information, page 11
11	Information on Research Policies and Guidelines, Patents, Postdocs, Associates, Trainees, page 12
12	Browse Academic Units & Programs, page 12
12.1	Faculty of Dental Medicine and Oral Health Sciences, page 12
12.1.1	Location, page 12
12.1.2	About Faculty of Dental Medicine and Oral Health Sciences, page 12
12.1.3	Dental Admission Requirements and Application Procedures, page 13
12.1.3.1	Admission Requirements, page 13
12.1.3.2	Application Procedures, page 13
12.1.3.3	Application Dates and Deadlines, page 13
12.1.4	Dental Medicine and Oral Health Sciences Faculty, page 13
12.1.5	Master of Science (M.Sc.) Dental Sciences (Thesis) (45 credits) , page 15
12.1.6	Master of Science (M.Sc.) Dental Sciences (Non-Thesis) (45 credits) , page 15
12.1.7	Doctor of Philosophy (Ph.D.) Oral Health Sciences , page

1 **Dean's Welcome**

Welcome to Graduate and Postdoctoral Studies (GPS) at McGill. You are joining a community of world-class researchers and more than 10,000 graduate students in over 400 programs. GPS is here to support you from admissions through to graduation and beyond. McGill's approach to graduate education emphasizes skills development; we cultivate your academic and professional growth through a variety of workshops, events and experiential learning opportunities. I invite you to consult the

4 Graduate Studies at a Glance

Please refer to [University Regulations & Resources](#) > *Graduate* > : [Graduate Studies at a Glance](#) for a list of all graduate departments and degrees currently being offered.

5 Program Requirements

Refer to [University Regulations & Resources](#) > *Graduate* > *Regulations* > : [Program Requirements](#) for graduate program requirements for the following:

- Master's Degrees
- Doctoral Degrees
- Coursework for Graduate Programs, Diplomas, and Certificates

6 Graduate Admissions and Application Procedures

Please refer to [University Regulations & Resources](#) > *Graduate* > : [Graduate Admissions and Application Procedures](#) for information on:

- Application for admission;
- Admission requirements;
- Application procedures;
- Competency in English; and
- Other information regarding admissions and application procedures for Graduate and Postdoctoral Studies.

7 Fellowships, Awards, and Assistantships

Please refer to [University Regulations & Resources](#) > *Graduate* > : [Fellowships, Awards, and](#)

8.2 Guidelines and Policy for Academic Units on Postdoctoral Education

Every unit hosting postdocs should apply institutional policies and procedures for the provision of postdoctoral education and have established means for informing postdocs of policies, procedures, and privileges (available at mcgill.ca/gps/postdocs), as well as mechanisms for addressing complaints. For their part, postdocs are responsible for informing themselves of such policies, procedures, and privileges.

1. Definition and Status

- i. Postdoctoral status will be recognized by the University in accordance with Quebec provincial regulations as may be modified from time to time. The eligibility period for postdoctoral status is up to five years from the date when the Ph.D. or equivalent degree was awarded. A : *leave of absence* for f

- Service Point
- Student Rights and Responsibilities
- Student Services – Downtown and Macdonald Campuses
- Residential Facilities
- Athletics and Recreation
- Omb

section 12.1.6: Master of Science (M.Sc.) Dental Sciences (Non-Thesis) (45 credits)

The program includes a practicum in an organization or a clinic implicated in providing public health services. All non-thesis students are encouraged to seek volunteer and summer research opportunities with researchers in the Faculty to further their research experience.

This program offers students a great opportunity to clarify their interests, connect with faculty members, and engage with their cutting-edge research programs to seek additional career and training options (such as entering a Ph.D. program). This non-thesis option is not a residency program and does not provide clinical qualifications.

section 12.1.5: Master of Science (M.Sc.) Dental Sciences (Thesis) (45 credits)

The goal of this program is to train students in research in the dental sciences, which comprise a number of disciplines relating to the functioning of the oro-facial complex. For the Thesis Master's in Dental Sciences, we aim to train students to:

1. perform a literature review;
2. identify important issues in a specific field and understand the scientific approach to research questions;
3. carry out a scientific study and appropriately manage its data;
4. appreciate the ethics involved in animal and/or human research; and
5. express themselves clearly when speaking and writing about science.

section 12.1.7: Doctor of Philosophy (Ph.D.) Oral Health Sciences

A thesis for the doctoral degree must constitute original scholarship and must be a distinct contribution to knowledge. It must show familiarity with previous work in the field and must demonstrate ability to plan and carry out research, organize results, and defend the approach and conclusions in a scholarly manner. The research presented must meet current standards of the discipline; as well, the thesis must clearly demonstrate how the research advances knowledge in the field. Finally, the thesis must be written in compliance with norms for academic and scholarly expression and for publication in the public domain.

12.1.3 Dental Admission Requirements and Application Procedures

12.1.3.1 Admission Requirements

M.Sc. in Dental Sciences

Students who have completed a D.M.D./D.D.S. or a B.Sc. in one of the Health Science disciplines listed on our [website](#) with a CGPA of 3.2 on a 4.0 scale are eligible to apply for admission to a graduate program in the Faculty of Dental (Oral and Cranial Health Sciences) leading to the M.Sc. degree in Dental Sciences. Applicants with a CGPA of lower than 3.2 may still be considered for admission if their application is accompanied by a justification for the lower CGPA. **TOEFL (or IELTS)** 167 (or 116) for students from a recognized Canadian institution (anglophone or francophone) or from a recognized foreign institution where English is the language of instruction.

The number of candidates accepted each year will depend on the elective courses and research facilities available that are applicable to the candidate's area of expertise.

Application Pr

Associate Dean, Undergraduate Dental Education

S. Abi-Nader

Assistant Dean, Undergraduate Dental Education

P. Chauvin

Undergraduate Clinic Director

N. Morin

Associate Dean, Research and Graduate Dental Education

B. Willie

Assistant Dean, Research and Graduate Dental Education

S. Komarova

Graduate Program Director

S. Tran

Associate Dean, Postgraduate Dental Education

N. Makhoul

Emeritus Professors

K.C. Bentley, F. Cervero, M. Gornitsky, C. Smith

Associate Members

H.F. Al-Jallad, E.L. Franco, S.D. Wurzba, P. Moffatt, R.S. Naeini, S. Abbasgholizadeh-Rahimi

12.1.5 Master of Science (M.Sc.) Dental Sciences (Thesis) (45 credits)**Thesis Courses (24-33 credits)**

DENT 650	(3)	Thesis Research 1
DENT 651	(6)	Thesis Research 2
DENT 652	(9)	Thesis Research 3
DENT 653	(15)	Thesis Research 4

Required Courses (6 credits)

DENT 505	(3)	Epidemiology and Data Analysis in Primary Care 1
DENT 663	(1)	Principles of Health Research
DENT 671D1	(1)	Advanced Research Seminar
DENT 671D2	(1)	Advanced Research Seminar

Complementary Courses (6-15 credits)

6-15 credits chosen from the following courses:

DENT 504	(3)	Biomaterials and Bioperformance
DENT 509	(3)	Epidemiology and Data Analysis in Primary Care 2
DENT 610	(3)	Introduction to Craniofacial Research
DENT 654	(3)	Mechanisms and Management of Pain
DENT 664	(1)	Health Research Communications
DENT 665	(1)	Leadership and Management Skills in Research
DENT 672	(1)	Applied Mixed Methods in Health Research
DENT 679	(3)	Epidemiology and Data Analysis in Primary Care 3
DENT 681	(1)	Readings in Dentistry and Health Research 1
DENT 682	(2)	Readings in Dentistry and Health Research 2
DENT 683	(3)	Readings in Dentistry and Health Research 3
DENT 685	(3)	Theory of Dental Public Health
DENT 686	(2)	Illness Experience and Social Determinants of Health
DENT 688	(3)	Bone Mechanobiology
EPIB 621	(4)	Data Analysis in Health Sciences
EPIB 635	(3)	Clinical Trials
EXMD 610	(3)	Molecular Methods in Medical Research

Other complementary 500- or 600-level courses may be taken with the approval of the supervisor or the research director and GPS.

12.1.6 Master of Science (M.Sc.) Dental Sciences (Non-Thesis) (45 credits)

The M.Sc. in Dental Sciences; Non-Thesis program focuses on research and/or clinical expertise to improve populational health, including diagnosis, prevention, monitoring and control. The program includes a practicum in an organization or a clinic implicated in providing public health services.

Required Courses (24 credits)

DENT 505	(3)	Epidemiology and Data Analysis in Primary Care 1
DENT 625	(3)	Applied Qualitative Health Research
DENT 663	(1)	Principles of Health Research
DENT 668	(3)	Practicum Readings in Dentistry and Health Research
DENT 670	(6)	Dentistry Community Health Practicum
DENT 671D1	(1)	Advanced Research Seminar
DENT 671D2	(1)	Advanced Research Seminar
DENT 685	(3)	Theory of Dental Public Health
DENT 690	(3)	Literature Reviews

Complementary Courses (21 credits)

21 credits from the following:

ANAT 690D1	(3)	Cell and Developmental Biology
ANAT 690D2	(3)	Cell and Developmental Biology
BMDE 505	(3)	Cell and Tissue Engineering
DENT 504	(3)	Biomaterials and Bioperformance
DENT 509	(3)	Epidemiology and Data Analysis in Primary Care 2
DENT 625	(3)	Applied Qualitative Health Research
DENT 654	(3)	Mechanisms and Management of Pain
DENT 664	(1)	Health Research Communications
DENT 665	(1)	Leadership and Management Skills in Research
DENT 669	(3)	Extracellular Matrix Biology
DENT 672	(1)	Applied Mixed Methods in Health Research
DENT 681	(1)	Readings in Dentistry and Health Research 1
DENT 682	(2)	Readings in Dentistry and Health Research 2
DENT 683	(3)	Readings in Dentistry and Health Research 3
DENT 686	(2)	Illness Experience and Social Determinants of Health
DENT 688	(3)	Bone Mechanobiology
EDEM 692	(3)	Qualitative Research Methods
EPIB 635	(3)	Clinical Trials
EPIB 641	(1)	Substantive Epidemiology 1
EPIB 669	(2)	Special Topics 2
EPIB 671	(3)	Cancer Epidemiology and Prevention
EPIB 677	(3)	Special Topics 8
EPIB 679	(3)	Special Topics 10
EXMD 609	(3)	Cellular Methods in Medical Research
EXMD 610	(3)	Molecular Methods in Medical Research
PHGY 518	(3)	Artificial Cells
PHGY 550	(3)	Molecular Physiology of Bone

Other complementary 500- or 600-level courses at the University may be taken with the approval of the director of the program and GPS.

12.1.7 Doctor of Philosophy (Ph.D.) Oral Health Sciences

The Ph.D. in Oral Health Sciences provides training for health science researchers in advanced research in oral health problems. It will build upon an approach to scholarly knowledge that embraces discipline specific training in tandem with an understanding on one's position in research and possibilities for collaboration.

