



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

Programs, Courses and University Regulations

2022-2023

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

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Publication Information

Published by

Enrolment Services

McGill University
3415 McTavish Street
Montreal, Quebec, H3A 0C8
Canada

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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 departmentm(cnw688Aa list of all gras2.355

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

i. Postdocs are subject to the responsibilities outlined at mcgill.ca/students/srr and must abide by the policies listed at mcgill.ca/secretariat/policies-and-regulations.

ii. Each academic unit hosting postdocs should clearly identify postdocs' needs and the means by which they will be met by the unit.

iii. Each academic unit should assess the availability of research supervision facilities, office space, and research funding before recruiting postdocs.

iv. Some examples of the responsibilities of the academic unit are:

- to verify the postdoc's eligibility period for registration;
- to provide postdocs with departmental policy and procedures that pertain to them;
- to facilitate the registration and appointment of postdocs;
- to assign departmental personnel the responsibility for postdoctoral affairs in the unit;
- to oversee and sign off on the Letter of Agreement for Postdoctoral Education;
- to ensure that each postdoc has a supervisor, lab and/or office space, access to research operating costs and necessary equipment;
- to include postdocs in departmental career and placement opportunities;
- to refer postdocs to the appropriate University policies and personnel for the resolution of conflict that may arise between a postdoc and a supervisor.

v. Some examples of the responsibilities of the supervisor are:

- to uphold and transmit to their postdocs the highest professional standards of research and/or scholarship;
- to provide research guidance;
- to meet regularly with their postdocs;
- to provide feedback on research submitted by the postdocs;
- to clarify expectations regarding intellectual property rights in accordance with the University's policy;
- to provide mentorship for career development;
- to prepare, sign, and adhere to a Letter of Agreement for Postdoctoral Education.

vi. Some examples of the responsibilities of postdocs are:

- to inform themselves of and adhere to the University's policies and/or regulations for postdocs as outlined at

8.5 Postdoctoral Research Trainees

Eligibility

If your situation does not conform to the Government of Quebec's definition of a Postdoctoral Fellow, you may be eligible to attend McGill as a Postdoctoral Research Trainee. While at McGill, you can perform research only (you may not register for courses or engage in clinical practice). Medical specialists who will have clinical exposure and require a training card must register through Postgraduate Medical Education of the Faculty of Medicine and Health Sciences—not Graduate and Postdoctoral Studies.

The category of Postdoctoral Research Trainee is for:

Category 1: An individual who has completed requirements for the Doctoral degree or medical specialty, but whose de

- Service Point
- Student Rights & Responsibilities
- Student Services – Downtown & Macdonald Campuses
- Residential Facilities
- Athletics and Recreation
- Ombudsperson for Students
- Extra-Curricular and Co-Curricular Activities
- Bookstore
- Computer Store
- Day Care

11 Information on Research Policies and Guidelines, Patents, Postdocs, Associates, Trainees

Refer to [University Regulations & Resources](#) > *Graduate* > : [Research Policy and Guidelines](#) for information on the following:

- Regulations on Research Policy
- Regulations Concerning the Investigation of Research Misconduct
- Requirements for Research Involving Human Participants
- Policy on the Study and Care of Animals
- Policy on Intellectual Property
- Regulations Governing Conflicts of Interest
- Safety in Field Work
- Office of Sponsored Research
- Postdocs
- Research Associates

12 Browse Academic Units & Programs

The programs and courses in the following sections have been approved for the 2022–2023 session as listed.

12.1 Faculty of Dental Medicine and Oral Health Sciences

12.1.1 Location

Faculty of Dental Medicine and Oral Health Sciences
2001 McGill College Avenue, Suite 500
Montreal QC H3A 1G1
Telephone: 514-398-7203
Fax: 514-398-8900
Website: mcgill.ca/dentistry

12.1.2 About Faculty of Dental Medicine and Oral Health Sciences

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

The Non-Thesis M.Sc. program offers students the possibility to supplement their existing education by exploring a variety of research topics. The Non-Thesis program focuses on research and/or clinical expertise to improve populational health, including diagnosis, prevention, monitoring and control.

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

12.1.3

M.Sc. in Dental Sciences (Thesis)

	Application Opening Dates		Application Deadlines	
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Summer Term:	Sept. 15	Jan. 15	Jan. 15	Jan. 15
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M.Sc. in Dental Sciences (Non-Thesis)

	Application Opening Dates		Application Deadlines	
	All Applicants	Non-Canadian citizens (incl. Special, Visiting & Exchange)	Canadian citizens/Perm. residents of Canada (incl. Special, Visiting & Exchange)	Current McGill Students (any citizenship)

Fall Term:	Sept. 15	Mar. 1	Mar. 1	Mar. 1
Winter Term:	N/A	N/A	N/A	N/A
Summer Term:	N/A	N/A	N/A	N/A

Ph.D. in Oral Health Sciences

	Application Opening Dates	Application Deadlines
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Current McGill Students (any citizenship)

Associate Dean, Postgraduate Dental Education

N. Makhoul

Emeritus Professors

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

Professors

P.J. Allison; J.E. Barralet; L. Diatchenko; J.S. Feine; S. Komarova; M.D. McKee; D. Reinhardt; M. Tabrizian; S. Tran; Bettina Willie.

Associate Professors

S. Abi-Nader; C. Bedos; V. Benhamou Cohen; P.J. Chauvin; A. Chehade; I.M. Fried; G.J. Harasymowycz; R. Hovey; A. Ianella; M.T. Kaartinen; M.E. Macdonald; N. Makhoul; S.I. Miller; F.I. MurofAbi-Nader9u76k

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
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)

Epidemiology and Data

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
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.

Thesis

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.

Required Courses (12 Credits)

DENT 663	(1)	Principles of Health Research
DENT 664	(1)	Health Research Communications
DENT 665	(1)	Leadership and Management Skills in Research
DENT 671D1	(1)	Advanced Research Seminar
DENT 671D2	(1)	Advanced Research Seminar
DENT 700	(1)	Comprehensive Exam Skills
DENT 701	(0)	PhD Comprehensive Examination

DENT 786D1	(3)	Foundations in Oral Health Science
DENT 786D2	(3)	Foundations in Oral Health Science

Complementary Courses (6-12 credits)

* 6-12 credits from the following:

DENT 504	(3)	Biomaterials and Bioperformance
DENT 610	(3)	Introduction to Craniofacial Research
DENT 654	(3)	Mechanisms and Management of Pain
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 685	(3)	Theory of Dental Public Health
DENT 706	(3)	Advanced Seminar in Qualitative Health Research

* The number of Complementary credits each student must take is determined with their supervisor, depending on the student's background.

Note: Courses at the 500 level or higher in other departments can be chosen in consultation with their supervisors and the program director.