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

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- 4 . All students registered at McGill University are considered to have agreed to act in accordance with the University procedures, policies and regulations.
- 5 . Although advice is readily available on request, the responsibility of selecting the appropriate courses for graduation must ultimately rest with the student.
- 6 . Not all courses are offered every year and changes can be made after publication. Always check the Minerva Class Schedule link at https://banweb.mcgill.ca/pban1/bwckschd.p_disp_dyn_sched for the most up-to-date information on whether a course is offered.
- 7 . The academic publication year begins at the start of the Fall semester and extends through to the end of the Winter semester of any given year. Students who begin study at any point within this period are governed by the regulations in the publication which came into effect at the start of the Fall semester.
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Note: Throughout this publication, "you" refers to students newly admitted, readmitted or returning to McGill.

Publication Information

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1 Dean's Welcome

To Graduate Students and Postdoctoral Fellows:

I am extremely pleased to welcome you to McGill University. With over 250 doctoral and master's degree programs, McGill is committed to providing world-class graduate education and postdoctoral training in a full range of academic disciplines and professions. Graduate and Postdoctoral Studies (GPS) provides strategic leadership and works in collaboration with the Faculties and other administrative and academic units to deliver the very highest level of teaching and research across the University. GPS is responsible for the admission and registration of graduate students, disbursing graduate fellowships, supporting postdoctoral fellows, and facilitating the graduation process, including the examination of theses.

As a student-centred research institution, McGill places singular importance upon the quality of graduate education and postdoctoral training. As Associate Provost (Graduate Education), as well as Dean of Graduate and Postdoctoral Studies, I work closely with the central administration, Faculties, graduate students, professors, researchers, postdoctoral fellows, and staff to enhance the graduate and postdoctoral experience and provide a supportive, stimulating, and enriching academic environment.

McGill is ranked as one of Canada's most intensive research universities and among the world's top 25. We recognize that these successes come not only from our outstanding faculty members, but also from the quality of our graduate students and postdoctoral fellows - a community into which we are very happy to welcome you.

I invite you to join us in advancing this heritage of excellence at McGill.

Martin Kr

Arts

- : Political Science*
- : Psychology*
- : Russian and Slavic Studies*
- : Social Studies of Medicine*
- : Social Work*
- : Sociology*

Dentistry

- section 11.1: Dentistry*

Desautels Faculty of Management

- : Desautels Faculty of Management*

Education

- : Educational and Counselling Psychology*
- : Information Studies*
- : Integrated Studies in Education*
- : Kinesiology and Physical Education*

Engineering

- : Architecture*
- : Chemical Engineering*
- : Civil Engineering and Applied Mechanics*
- : Electrical and Computer Engineering*
- : Mechanical Engineering*
- : Mining and Materials Engineering*
- : Urban Planning*

Law

- : Law*

McGill School of Environment

- : Environment*

Medicine

- : Anatomy and Cell Biology*
- : Biochemistry*
- : Bioethics*
- : Biomedical Engineering*
- : Communication Sciences and Disorders*
- : Epidemiology and Biostatistics*
- Experimental Medicine, see : *Medicine, Experimental*
- : Human Genetics*
- : Medical Physics*

Medicine

: *Microbiology and Immunology*

: *Neuroscience (Integrated Program in)*

: *Nursing*

: *Occupational Health*

: *Otolaryngology – Head and Neck Surgery*

: *Pathology*

: *Pharmacology and Therapeutics*

: *Physical and Occupational Therapy*

: *Physiology*

: *Psychiatry*

: *Surgical Researchc*

Graduate Certificates are offered in:

Assessing Driving Capabilities	Educational Leadership 2
Air and Space Law	Library and Information Studies
Bioresource Engineering (IWRM)	Post-M.B.A.
Biotechnology	Teaching English as a Second Language
Comparative Law	Theory in Primary Care
Educational Leadership 1	Theory in Neonatology

All graduate regulations apply to graduate diploma and certificate candidates.

4.2 Master's Degrees

Two categories of programs lead to higher degrees at McGill University, master's programs, and doctoral programs.

The following master's degrees are offered (see below for more Prerequisites:
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Educational Psychology (Thesis and Non-Thesis)

Educational Leadership (Thesis, Non-Thesis, and Non-Thesis Coursework); option in 8s9 717.34 (T-Thes0 1 312.219 400.38us and Nont (Thesis and Non-Thesis)

A program leading to the degree of Sanctae Theologiae Magister (S.T.M.) is given in the Faculty of Religious Studies. This degree is primarily for those who intend to enter the ministry of the Christian Church or another religious institution, or to proceed to teaching in schools. A Master of Arts program (thesis and non-thesis) is also available.

Master of Science Degrees

Programs leading to the degree of Master of Science are provided in the following areas:

Agricultural Economics

Animal Science

Atmospheric and Oceanic Science; options in Computational Science and Engineering, and Environment

Biochemistry; options in Bioinformatics, and Chemical Biology

Biology; options in Bioinformatics, Environment, and Neotropical Environment

Bioresource Engineering; options in Environment, Integrated Water Resource Management (Non-Thesis), and Neotropical Environment

Cell Biology and Anatomy

Chemical Engineering

Chemistry; option in Chemical Biology

Ci

Communication Sciences and Disorders

Human Nutrition

Nursing

Occupational Health

Occupational Therapy

Plant Science

Physical Therapy

Other degrees:

Master of Science, Applied (OT)

Master of Science, Applied (PT)

Master of Social Work Degrees

The M.S.W. degree (Thesis and Non-Thesis oT)

Biology; options in Bioinformatics, Developmental Biology, Environment, and Neotropical Environment
Biomedical Engineering; option in Bioinformatics
Bioresource Engineering; options in Environment, and Neotropical Environment
Chemical Engineering
Chemistry; option in Chemical Biology
Civil Engineering and Applied Mechanics
Classics
Communication Studies; option in Gender and Women's Studies
Communication Sciences and Disorders; option in Language Acquisition
Computer Science; option in Bioinformatics
Counselling Psychology
Earth and Planetary Sciences; option in Environment
Economics
Educational Psychology
Educational Studies; option in Gender and Women's Studies
Electrical Engineering
English
Entomology; options in Environment, and Neotropical Environment
Epidemiology and Biostatistics
Food Science and Agricultural Chemistry
French; option in Gender and Women's Studies
Geography; options in Environment, Gender and Women's Studies, and Neotropical Environment
German
Hispanic Studies
History
Human Genetics; option in Bioinformatics
Human Nutrition
Information Studies
Islamic Studies; option in Gender and Women's Studies
Linguistics; option in Language Acquisition
Management
Mathematics and Statistics; option in Bioinformatics
Mechanical Engineering
Medicine, Experimental; option in Environment
Microbiology and Immunology
Microbiology (Macdonald Campus); options in Bioinformatics, and Environment
Mining and Materials Engineering
Music; option in Gender and Women's Studies
Neuroscience
Nursing; option in Psychosocial Oncology
Occupational Health Sciences
Parasitology; options in Bioinformatics, and Environment
Pathology
Pharmacology and Therapeutics; option in Chemical Biology
Philosophy; options in Environment, and Gender and Women's Studies
Physics
Physiology; option in Bioinformatics
Plant Science; options in Bioinformatics, Environment, and Neotropical Environment
Political Science
Psychology; options in Language Acquisition, and Psychosocial Oncology
Rehabilitation Science
Religious Studies; option in Gender and Women's Studies
Renewable Resources; options in Environment, and Neotropical Environment
Russian
School/Applied Child Psychology
Social Work
Sociology; options in Environment, and Gender and Women's Studies
Surgery, Experimental

The following joint Ph.D. programs are offered:

Nursing (McGill/Université de Montréal)
Management (McGill/Concordia/H.E.C./UQAM)
Social Work (McGill/Université de Montréal)

4.4 Postdoctoral Research

See [section 8: Postdoctoral Research](#) for information about postdoctoral research at McGill University.

5 Program Requirements

5.1 Master's Degrees

Residence Requirements – Master's Degrees

Refers to the number of terms (or years) students must be registered on a full-time basis to complete their program. Students are NOT permitted to graduate until they have fulfilled the residence requirement (or paid the corresponding fees) in their program.

- The following master's programs have a minimum residence requirement of **three full-time terms**: M.Arch, M.A., M.Eng., LL.M., M.Mus. (**except** M.Mus. in Sound Recording), M.Sc., M.S.W., M.Sc.A. (**except** M.Sc.A. in Communication Sciences and Disorders).
- The following master's programs have a **minimum** residence requirement of **four full-time terms**: M.L.I.S.; M.Mus. in Sound Recording; M.U.P.; M.A. (60 credits – Counselling Psychology – thesis; 78 credits – Educational Psychology); M.A. Teaching and Learning – Non-Thesis; M.Sc.A. in Communication Sciences and Disorders; S.T.M., Religious Studies.
- The residence requirement for the master's program in Education (M.Ed.); Library and Information Studies (M.L.I.S.); Management (M.B.A.); Religious Studies (S.T.M.); M.A. Counselling Psychology – Non-Thesis; M.A. Teaching and Learning – Non-Thesis; M.Sc. in Public Health – Non-Thesis; M.Sc.A. Nursing; M.Sc.A. Occupational Therapy; M.Sc.A. Physical Therapy; and students in part-time programs is determined on a per course basis. Residence requirements are fulfilled when students complete all course requirements in their respective programs.
- For master's programs structured as Course, Project or Non-Thesis options where the program is pursued on a part-time basis, residence requirements are normally fulfilled when students complete all course requirements in their respective programs (minimum 45 credits or a minimum of three full-time terms) and pay the fees accordingly.

These designated periods of residence represent minimum time requirements. There is no guarantee that the work for the degree can be completed in this time. Students must register for such additional terms as are needed to complete the program.

Coursework – Master's Degrees

Program requirements are outlined in the relevant departmental sections of the Graduate and Postdoctoral Studies Calendar available at www.mcgill.ca/study.

The department concerned will examine the student's previous training and then decide which of the available courses in the area of specialization or related fields are required to bring the candidate to the proper level for the master's degree. Due account will be taken of relevant courses passed at any recognized university.

As a rule, no more than one-third of the McGill program formal coursework (not thesis, project, stage, or internship) can be credited with courses from another university.

Non-thesis degrees normally specify the course program which the candidate must follow.

The candidate is required to pass, with a mark of B- or better, all those courses which have been designated by the department as forming a part of the program, including additional requirements.

Students taking courses at another university must obtain a minimum grade of B- (65%) if the course is to be credited toward their McGill degree. In the cases where only a letter grade is used, a B- is the minimum passing grade and no equivalent percentage will be considered. In the cases where only a percentage grade is used, 65% is the minimum passing grade.

If courses were not used for a degree, they could be **credited** toward a McGill degree keeping in mind that a maximum of one-third of the course work (not thesis, project, stage, internship, and practicum) can be credited. If an **exemption** is granted, it must be replaced by another graduate course at McGill toward the degree. No double counting is ever allowed. This regulation also applies to doctoral programs.

Research and Thesis – Master's Degrees

All candidates for a research degree must present a thesis based on their own research. The total number of credits allotted to the thesis in any master's program must not be less than 24. The title of the thesis and names of examiners must be forwarded on a *Nomination of Examiners* form, in accordance with the dates on www.mcgill.ca/importantdates

Language Requirements – Master's Degrees

Most master's degree programs do not include language requirements, but candidates who intend to proceed to a doctoral degree should take note of any language requirements and are strongly advised to take the examinations in at least one language while working for the master's degree.

5.2 Doctoral Degrees

Residence Requirements – Doctoral

Refers to the numbers of terms (or years) students must be registered on a full-time basis to complete their program. Students are not permitted to graduate until they have fulfilled the residence requirement (or paid the corresponding fees) in their program.

Candidates entering Ph.D. 1 must follow a program of at least three years residence

After the thesis has been received and approved, a final oral examination is held on the subject of the thesis and subjects intimately related to it. This is conducted in the presence of a Committee of at least five members presided over by a Pro-Dean nominated by Graduate and Postdoctoral Studies. The Chair of the candidate's department and the Thesis Supervisor are regularly invited to be members of the Committee; at least one member of the Committee is appointed from outside the candidate's department. Guidelines are available at www.mcgill.ca/gps/students/thesis/guidelines.

5.3 Ad Hoc Programs

In exceptional cases, an applicant who wishes to pursue a master's (Thesis option only) or Ph.D. program in an academic department which is not currently authorized by the *Ministère de l'Éducation, du Loisir et du Sport* (MELS) to offer graduate programs, may be admitted to an *Ad Hoc* program. The application, including a research proposal, is examined by an Admissions Committee in the department which has familiarity with the proposed research area and experience in directing graduate studies.

Once the Admissions Committee makes a favourable recommendation, Graduate and Postdoctoral Studies confirms an Advisory Committee (recommended by the academic unit) to be responsible for program planning and monitoring of research progress. The regulations are fully described in the document "Procedures for Admission in *Ad Hoc* Master's and Doctoral Programs", available from GPS.

5.4 Ad Personam Programs (Thesis Option only)

In very rare circumstances, an applicant who wishes to engage in master's (Thesis option only) or Ph.D. studies of an interdisciplinary nature involving joint supervision by two departments, each of which is authorized by the *Ministère de l'Éducation, du Loisir et du Sport* (MELS) to offer its own graduate programs, may be admitted to an *Ad Personam* program. The regulations are fully described in a document available from GPS.

5.5 Coursework for Graduate Programs, Diplomas, and Certificates

Upper-level undergraduate courses (excluding 500-level) may not be considered for degrees, diplomas, and certificates unless they are already listed as required courses in the approved program description. If an upper-level undergraduate course (excluding 500-level) is taken by a graduate student, it must come as a recommendation from the Graduate Program Director in the department. The recommendation must state if the undergraduate course is an additional requirement for the program (must obtain B- or better) or if the course is extra to the program (will be flagged as such on the record and fees will be charged). See document at www.mcgill.ca/gps/staff/registration.

English and French language courses offered by the French Language Centre (Faculty of Arts) or the School of Continuing Studies may not be taken for coursework credits toward a graduate program.

All substitutions for coursework in graduate programs, diplomas, and certificates must be approved by GPS.

Courses taken at other institutions to be part of the requirements of a program of studies must be approved by GPS before registration. Double counting is not permitted.

6 General Admission for Graduate Studies



Note: The following admission requirements and application procedures are the minimum standard for applicants to McGill's Graduate and Postdoctoral Studies programs. Some graduate units may require additional qualifications or a higher minimum CGPA; prospective students are strongly urged to consult the unit concerned regarding specific requirements set for their program of interest.

Website: www.mcgill.ca/gradapplicants

Email: servicepoint@mcgill.ca

Deadline: Admission to graduate studies operates on a rolling basis; complete applications and their supporting documentation must reach departmental offices on or before the date for guaranteed consideration specified by the department. To be considered for entrance fellowships, where available, applicants must verify the deadlines with individual departments. Meeting minimum admission standards does not guarantee admission.

6.1 Application for Admission

Application information and the online application form are available at www.mcgill.ca/gradapplicants/apply. Applicants (with some exceptions) are required to ask two instructors familiar with their work to send letters of recommendation. All applicants must themselves send, or ask the appropriate university authorities to send, two official or certified copies of their complete academic record from each university-level institution attended to date. McGill graduates do not need to submit McGill transcripts. Letters of recommendation and official transcripts must be sent **directly** to the department concerned. Please note

that all documents submitted to McGill University in support of an application to be admitted, including, but not limited to transcripts, diplomas, letters of reference and test scores, become the property of McGill University and will not be returned to the applicant or issuing institution under any circumstance.

A **non-refundable** fee of \$100 in Canadian funds **must** accompany each application, otherwise **it cannot be submitted**. This sum must be paid by credit card and is non-refundable when submitting the online application form. Candidates for Special, Visiting Student, and Qualifying status must apply and pay the application fee every year (i.e., every Fall term).

It is recommended that applicants submit a list of the titles of courses taken in the major subject, since transcripts often give code numbers only. **Transcripts written in a language other than English or French must be accompanied by a translation prepared by a licensed translator.** An explanation of the grading system used by the applicant's university is essential. The applicant should also indicate the major subject area in which further study is desired.

Completed applications, with supporting documents, must reach departmental offices according to individual department dates for guaranteed consideration. Applicants should contact the department concerned, or see: www.mcgill.ca/gradapplicants/programs. International students are advised to apply well in advance of the date for guaranteed consideration as immigration procedures may be lengthy. Applications received after the prescribed dates for guaranteed consideration may or may not be considered, at the discretion of the department. Candidates will be notified of acceptance or refusal by Graduate and Postdoctoral Studies as quickly as possible.

Admission to graduate programs at McGill is highly competitiv

- Has lived and attended university, or been employed, for at least four consecutive years, in a country where English is the acknowledged primary language.

Applicants who do not meet any of the above-listed conditions must demonstrate proficiency in English using *one* of the following options:

- TOEFL (Test of English as a Foreign Language): minimum acceptable scores are

Competency in English		
iBT (Internet-based test)	PBT (paper-based test)	CBT (computer-based test)*
86 overall, (no less than 20 in each of the four component scores)	550	* The CBT is no longer being offered and CBT results are no longer considered valid, or being reported by ETS.
N.B. an institutional version of the TOEFL is not acceptable.		

- IELTS (International English Language Testing System): a band score of 6.5 or greater.
- MELAB (Michigan English Language Assessment Battery): a mark of 85% or higher.
- University of Cambridge ESOL Certificate in Advanced English (CAE): a grade of "B" (Good) or higher.
- University of Cambridge ESOL Certificate of Proficiency in English (CPE): a grade of "C" (Pass) or higher.
- Edexcel London Test of English - Level 5 - with an overall grade of at least "Pass".
- McGill Certificate of Proficiency in English or McGill Certificate of Proficiency - English for Professional Communication: Certificate of Proficiency awarded. McGill Certificate of Proficiency in English or McGill Certificate of Proficiency - English for Professional Communication: Certificate of Proficiency awarded.

In each case, applicants must ensure that official test results are sent to McGill directly by the testing service. Applications cannot be considered if test results are not available. These scores are general minima; some departments may set higher requirements.

Revised – July 2008

6.5 Admission to a Qualifying Program

Some applicants whose academic degrees and standing entitle them to serious consideration for admission to graduate studies, but who are considered inadequately prepared in the subject selected may be admitted to a Qualifying Program for a Master's. The undergraduate-level courses to be taken in a Qualifying Program will be prescribed by the department concerned.

Qualifying students are registered in graduate studies, **but not as candidates for a degree**. Only one qualifying year (i.e., two full-time terms) is permitted.

In all cases, after the completion of a qualifying year or term, an applicant interested in commencing a degree program must apply for admission by the dates for guaranteed consideration. Successful completion of the work in the Qualifying Program (B- in all courses) does not automatically entitle the student to proceed toward a degree. Qualifying year students must apply for admission to the program for which they seek qualification.

In cases where a department recommends a change of registration from Qualifying Program (Fall) to Master's Degree First Year (Winter), **students must apply to the degree program by the Winter departmental dates for guaranteed consideration**. A Qualifying-Year applicant admitted to a Winter term as a first term of studies must apply for admission for a Fall term as his/her second term of studies.

Students who are ineligible for a Qualifying Program may apply to the appropriate undergraduate faculty for admission as regular or special students, and seek admission to graduate studies at a later date. The normal admission requirements must be met and the usual procedures followed.

6.6 Admission to a Second Degree Program

A candidate with a given higher degree may apply for admission to a second degree program at the same level but **in a different subject**. The normal admission requirements must be met and all the usual procedures followed.

6.7 Admission to Two Degree Programs

Students may, with special permission granted by Graduate and Postdoctoral Studies, be admitted to two degree programs or to two departments or 0 1 110.608 1327742.

6.8 Admission to an Ad Personam Joint Program

Ad Personam joint graduate programs are restricted to master's Thesis option and Ph.D. programs. Students shall be admitted and registered by one department, to be known as the "first department". Approval for the joint program must be obtained from Graduate and Postdoctoral Studies. The request shall be signed by the Chairs of both departments involved and shall explicitly list the conditions imposed by the second department. The student shall undertake research under the joint supervision of both departments.

Students shall fulfil the degree requirements of the first department and shall complete all the requirements specified by the second department in the request for admission. This program is described in more detail in a document available from GPS.

6.9 Admission to an Ad Hoc Program (Thesis)

In exceptional cases, admission to an *Ad Hoc* program (Thesis) may be considered. Before Graduate and Postdoctoral Studies will authorize the admission of a student into an *Ad Hoc* program, it must receive a favourable report from a departmental committee constituted to examine the program in question.

Candidates, through the supervisor designated by the academic department most closely related to their research field, must submit a research proposal, an outline of the coursework needed including a comprehensive examination (for doctoral programs) in the relevant field, and the list of four supervisory committee members.

Once the request has been approved, the candidate may register following all the regular procedures. A fuller description of the admission procedure is available from GPS.

6.10 Reinstatement and Admission of Former Students

Students who have not been registered for a period of less than two years and who have not officially withdrawn from the University by submitting a signed Withdrawal Form to Graduate and Postdoctoral Studies are eligible to be considered for reinstatement into their program. The student's department must recommend, in writing, that the student be reinstated, stipulating any conditions for reinstatement that it deems appropriate. The final decision rests with GPS. Normally, GPS will approve the departmental recommendation. If the student's department chooses not to recommend reinstatement, the student may appeal to the Associate Dean (Graduate and Postdoctoral Studies). The decision of the Associate Dean (Graduate and Postdoctoral Studies) shall be final and not subject to further appeal.

Reinstatement fees will be charged in addition to the fees due for the academic session into which the student has been reinstated. The amount of the reinstatement fees is the tuition portion of fees owed for all unregistered terms, up to a maximum of tw

Email: graduate.fellowships@mcgill.ca

Website: www.mcgill.ca/gps/students (under Fellowships and Awards)

Graduate Fellowships and Awards Calendar: <http://coursecalendar.mcgill.ca/fellowships201112/wwhelp/wwhimpl/js/html/wwhelp.htm>

The Fellowships and Aw

- i. Appointments may not exceed your registration eligibility status.
- ii. In order to be registered as a Postdoc, you must be assured of financial support other than from personal means during your stay at McGill University, equivalent to the minimal stipend requirement set by the University in accordance with guidelines issued by federal and provincial research granting agencies. There are no provisions for paid parental leave unless this is stipulated in the regulations of a funding agency outside the University.
- iii. At the outset of a postdoctoral appointment, a written Letter of Agreement for Postdoctoral Education should be drawn up and signed by the Postdoc, the supervisor, and the department head or delegate (see template Letter of Agreement on the web at www.mcgill.ca/gps/postdocs and supporting document – commitments for Postdoctoral Scholars and Supervisors at www.mcgill.ca/files/gps/Commitments_of_Postdoctoral_Scholars_and_Supervisors_July_09.pdf). This should stipulate, for example, the purpose of the postdoctoral appointment (research training and the advancement of knowledge), the duration of the fellowship/financial support, the modality of pay, the work space, travel funds, and expectations and compensation for teaching and student research supervision. Leaves from postdoctoral education must comply with the Graduate and Postdoctoral Studies Policies for Vacation, Parental/Familial, and Health Leave (see Graduate and Postdoctoral Studies General Information [section 8.3: Vacation Policy for Graduate Students and Postdocs](#) and [section 9.6: Health and Parental/Familial Leave of Absence Policy](#)). Any breach of these conditions may result in grievance procedures or the termination of the postdoctoral appointment.
- iv. Postdocs with full responsibility for teaching a course should be compensated over and above their fellowship at the standard rate paid to lecturers by their department.
- v. The amount of research, teaching, or other tasks that Postdocs engage in over and above postdoctoral activities should conform to the regulations for Postdocs specified by the Canadian research council of their discipline. This applies to all Postdocs, including those whose funding does not come from the Canadian research councils.

4. Privileges

- i. Postdocs have the same pertinent rights as the ones granted to McGill students in the *Handbook on Student Rights and Responsibilities* (“Green Book”), available at www.mcgill.ca/secretariat/policies/students.
- ii. Postdocs have full graduate student borrowing privileges in McGill libraries through their identity card.
- iii. As a rule, Postdocs who are Canadian citizens or who have Permanent Resident status may take courses for credit. Admission to such courses should be sought by submitting application documents directly to the appropriate program by the Postdoc. The

- 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 responsibilities of Postdocs are:

- to inform themselves of and adhere to the University’s policies and/or regulations for Postdocs for leaves, for research, and for student conduct as outlined in the *Handbook on Student Rights and Responsibilities* and the *General Information, Regulations and Research Guidelines* Calendar of Graduate and Postdoctoral Studies;
- to submit a complete file for registration to Graduate and Postdoctoral Studies;
- to sign and adhere to their Letter of Agreement for Postdoctoral Education;
- to communicate regularly with their supervisor;
- to inform their supervisor of their absences.

vii. Some examples of the responsibilities of the Univ

Category 1: An individual who has completed requirements for the Doctoral degree or medical specialty, but the degree/certification has not yet been awarded. The individual will subsequently be eligible for registration as a Postdoctoral Fellow.

Category 2: An individual who is not eligible for Postdoctoral Registration according to the MELS definition, but is a recipient of an external postdoctoral award from a recognized Canadian funding agency.

Category 3: An individual who holds a professional degree (or equivalent) in a regulated health profession (as defined under CIHR-eligible health profession) and is enrolled in a program of postgraduate medical education at another institution. The individual wishes to conduct the research stage or elective component of his/her program of study at McGill University under the supervision of a McGill professor. The individual will be engaged in full-time research with well-defined objectives, responsibilities, and methods of reporting. The application must be accompanied by a letter of permission from the home institution (signed by the Department Chair, Dean or equivalent) confirming registration in their program and stating the expected duration of the research stage. Individuals who are expecting to spend more than one year are encouraged to obtain formal training (Master's or Ph.D.) through application to a relevant graduate program.

Category 4: An individual with a regulated health professional degree (as defined under CIHR-eligible health profession), but not a Ph.D. or equivalent or medical specialty training, but who fulfils criteria for funding on a tri-council operating grant or by a CIHR fellowship (up to maximum of five years post-degree).



Note: individuals who are not Canadian citizens or permanent residents must inquire about eligibility for a work permit.

General Conditions

- the maximum duration is three years;
- must be engaged in full-time research;
- must provide copies of official transcripts/diploma;
- must have the approval of a McGill professor to supervise the research and of the Unit;
- must have adequate proficiency in English, but is not required to provide official proof of English competency to Graduate and Postdoctoral Studies;
- must comply with regulations and procedures governing research ethics and safety and obtain the necessary training;
- will be provided access to McGill libraries, email, and required training in research ethics and safety. Any other University services must be purchased (e.g., access to athletic facilities);
- must arrange for basic health insurance coverage prior to arrival at McGill and may be required to provide proof of coverage.

9 Graduate Studies Guidelines and Policies

Students must inform themselves of University rules and regulations and keep abreast of any changes that may occur. The *General Studies Guidelines and Policies* section of this publication contains important details required by students during their studies at McGill and should be periodically consulted, along with other sections and related publications.



Note: The University Exam Regulations governed by the : *University Student Assessment Policy* (adopted by Senate in February 2011) are being updated for Fall 2011 and will be available at www.mcgill.ca/students/exams/regulations. The revised Regulations will be published in the *University Regulations and Resources* section of the 2012-2013 *Programs, Courses and University Regulations* publication. This “Note” applies to all subsections under this topic Graduate Studies Guidelines and Policies.

9.1 0 0 1g Guidelines and Regulations for Academic Units on Graduate Student Advising and Supervision

The general guidelines suggested below are meant to encourage units to examine their graduate programs and 67.5211y with re 0 0 1 (e)2e2ision

a particular program and should be made clear to incoming students. Thesis supervisors must be chosen from academic staff in tenure-track positions. Faculty Lecturers and Research Assistants may not act as supervisors but in exceptional cases, may be co-supervisors. Emeritus Professors and Adjunct Professors may co-supervise. Certain non-tenure track professors appointed in the Faculty of Medicine may be eligible to supervise or co-supervise graduate students with the approval of the unit and Graduate and Postdoctoral Studies. In the case of supervision, the academic unit in question must ensure continuity of appropriate supervision of their graduate students.

2. Program

- i. Early in their program, students should be informed of the phases through which they must pass toward the achievement of the graduate degree, the approximate amount of time each phase should take, the criteria for its successful completion, and any deadlines relating to these phases.
- ii. It is important that students are made aware of whatever courses are required to complete their programs, that these courses are available, and that they relate to students' proposed areas of research or to the development of related areas of scholarship.
- iii. Where relevant, students should also be informed early in their program of language requirements or comprehensive examinations. The guidelines, criteria and procedures for comprehensive examinations must be explicit and consistently applied in each program. Academic units should consider the rationale for language and comprehensive examinations and how they relate to the objectives of the graduate program.
- iv. Every effort should be taken to ensure that students choose, as soon as possible, realistic and appropriate areas of research commensurate with degree requirements.
- v. **There must be clear procedures established in every unit by which students receive guidance and constructive criticism on their progress on a regular basis through the program (e.g., regular meetings and/or email communication with supervisors and committees, attendance at research seminars, semester or annual reviews of student progress). In addition to regular meetings between the student and supervisor or advisory/thesis committee, each unit must establish a procedure to provide feedback to thesis students regarding their research progress. At least annually, there must be a meeting between the student, supervisor and advisory/thesis committee or, in the case where there is no such advisory/thesis committee, there must be a meeting between the supervisor and a departmental representative, at which objectives for the upcoming year are established and the prior year's research progress recorded and evaluated. A written record of such meetings must include the signature of the student, supervisor, and the advisory/thesis committee member or a departmental representative, and this record must be retained in the student's departmental file. (The Graduate Student Research Objectives Report Form, the Graduate Student Research Progress Record, and the Graduate Student Research Progress Report Form are to be utilized to keep a record of these meetings.) In the case where the student does not make expected progress, the advisory or thesis committee or, in the case where there is no such advisory or thesis committee, the student, supervisor and a departmental representative must meet at least once per semester for the subsequent twelve months to review progress and if appropriate to set new objectives. On the occasion of a second unsatisfactory progress report, the student may be required to withdraw from the program of study.**
- vi. Students should be made aware of the cost of living in Montreal and of sources of financial support (e.g., teaching or research assistantships, fellowships) and of the facilities available to them (e.g., study space, computers).
- vii. Students should receive guidance and encouragement in areas relating to their growth in scholarship, professional development and career planning. Examples may include, where appropriate, reporting research, writing abstracts, preparing papers for conference presentation or for publication, writing grant and fellowship applications, conducting a job search, and preparing for job interviews.
- viii. Units should be sensitive to special academic needs and concerns that may arise in the case of certain students, such as international students or students who undertake graduate studies after a long absence from university.

3. Responsibilities

Each unit should clearly identify the student's supervisory needs at each phase and the means by which these needs will be met. Some functions will be fulfilled by the Chair, some by the graduate program director, some by the supervisor and some by the committee. Each unit should clearly identify the specific responsibilities of each of these, as well as the responsibilities of students themselves.

- i. Each unit should consider the availability of student support, research facilities, space, and availability of potential supervisors in determining the number of students admitted into the program.
- ii. Some examples of the responsibilities of the graduate program director are to be knowledgeable about program requirements, the composition of committees, the procedures for comprehensive and oral defense examinations, and other policies relating to graduate studies; to maintain a dossier on each student's progress; and to be sensitive to graduation deadlines and students' career plans.
- iii. Some examples of the responsibilities of a supervisor are to uphold and to transmit to students the highest professional standards of research and/or scholarship; to provide guidance in all phases of the student's research; to meet with their students regularly; to provide prompt feedback when work is submitted including drafts of the thesis; and to clarify expectations regarding collaborative work, authorship, publication and conference presentations.
- iv. Some examples of the responsibilities of the students are to inform themselves of program requirements and deadlines; to work within these deadlines; to communicate regularly with the supervisor and committee; and to submit progress reports to the supervisor and committee.
- v. The Chair of the unit should ensure that procedures are in place to address serious disagreements that may arise, for example, between a student and a supervisor or between a supervisor and committee members. Such procedures should involve a neutral mediator who will ensure that all sides of a dispute are heard before any decision is made.

4. Quality of Supervision and Teaching

- i. Academic units and Graduate and Postdoctoral Studies should consider ways to assess and improve the quality of supervision and to help new supervisors, e.g., through workshops or mentoring

- iii. Academic units should establish criteria of excellence in supervision and graduate teaching appropriate to their disciplines and should suitably reward those who meet these criteria, e.g., in decisions concerning tenure and promotion, or merit pay awards.
- iv.

The majority of doctoral programs at McGill require candidates to pass a comprehensive examination or set of examinations or equivalent, such as qualifying examinations, preliminary examinations, candidacy paper, comprehensive evaluation, thesis proposal, etc. The Calendar of Graduate and Postdoctoral Studies (GPS) includes the following statement:

A comprehensive examination or its equivalent is usually held near the end of Ph.D. 2. The results of this examination determine whether or not students will be permitted to continue in their programs. The methods adopted for examination and evaluation and the areas to be examined are specified by departmental regulations and approved by Graduate and Postdoctoral Studies. It is the responsibility of students to inform themselves of these details at the commencement of their programs.

It is recognized that expectations for the Ph.D. comprehensive will vary according to the needs of the discipline. It is important to make it clear to doctoral candidates what the expectations and procedures are for their Ph.D. comprehensive, and to maintain consistency within a given program.

1. General Policy

At the beginning of the relevant academic year, units must provide doctoral students with a written description of the Ph.D. comprehensive, covering the following issues: objectives and content, format, timing, assessment, grading and reporting, failures. (See below for details.)

- 2.** All units that have a Ph.D. comprehensive must adopt an administrative course number for it, usually XXXX 701. One of the following forms of grading must be adopted and used consistently within the program: Pass/Fail or letter grades. ("Mixed" modes of grading are not permitted, i.e., some students within a program reported on a Pass/Fail basis and others by means of letter grades.)

Specific Issues

Objectives and Content

Units must specify the objectives of the Ph.D. comprehensiv

The assessment and reasons for the decision must be documented and provided to the student in sufficient detail to allow the student to understand the decision, including identifying strengths and weaknesses. (A number of units have developed short forms specifically for this purpose.) In the case of oral examinations, the student should also be given feedback on presentation, logical exposition, ability to answer questions, etc.

In the case of oral exams, units may wish to consider the following: ensure that there is a reasonably detailed written assessment of the student's performance; tape the oral examination; allow the student to select a faculty member to act as a neutral observer; have one faculty member serve as a neutral chair (equivalent to a Pro-Dean); have an "outside" committee member; have the oral examination open to other students and faculty members.

Plagiarism

McGill University values academic integrity, which is fundamental to achieving our mission of the advancement of learning. Therefore, all students must understand the issues associated with **academic integrity** (see www.mcgill.ca/students/srr/honest for more information).

Plagiarism in a Ph.D. comprehensive examination contravenes McGill University's academic goals and standards. Consequently, any student found guilty of plagiarism under the Code of Student conduct and Disciplinary Procedures (see the *Handbook on Students Rights and Responsibilities* available at www.mcgill.ca/secretariat/policies/students) in a Ph.D. comprehensive examination may face very serious penalties, even expulsion from the University without the degree.

Failures

i. Repeats

In the event of a failure, units must allow, without prejudice, one repeat of the comprehensive (in whole or in part). The first time a student fails, the student must be informed in writing by the department that he/she has failed the comprehensive and must be informed of conditions relating to a repeat of the examination. In such circumstances, the grade of HH (continuing) will be used. In the event of a second failure, a grade of F will be reported to Graduate and Postdoctoral Studies and the student will be asked to withdraw from the Ph.D. program.

Conditions for retaking the examination must be clearly stated, including the time frame, potential dates, nature of the re-examination, committee membership, etc.

Units have the right to specify further requirements in the event of failure (e.g., requiring students to take an additional course or courses in areas where they have shown weakness on the comprehensive).

ii. Plagiarism

If plagiarism is suspected, the case will be referred directly to the committee on Student Discipline in accordance with the code of Student Conduct, Part III (article 15) and Part V (A). If plagiarism is established by due University process, the student is considered to have failed the examination, with no possibility of repeat.

iii. Review and Reassessment

Rereads. In the case of written comprehensives, the Graduate Studies Reread Policy applies.

A student who fails an oral examination may request a review. In such cases, Graduate and Postdoctoral Studies will conduct a review of the examination process and procedures.

Other Relevant Policies/Offices

- Charter of Student Rights
- Graduate Studies Reread Policy
- Office for Students with Disabilities

Approved by Executive of Faculty of Graduate Studies and Research (FGSR) February 17, 1997 and Council of FGSR March 7, 1997

9.5 Graduate Studies Reread Policy

This policy applies only in the case of marks given for written work in 600- and 700-level courses. For 500-level courses and below, the reread policy of the appropriate undergraduate faculty applies.

Consultation

In accordance with the Charter of Student Rights, and subject to the conditions stated therein, graduate students have the right, subject to reasonable administrative arrangements, "to consult any written submission for which they have received a mark and to discuss this submission with the examiner". Upon request by the student, the instructor of the course is obliged to conduct this consultation with the student.

(Note: Where materials have been graded by a TA and the student wants a reconsideration of the grade, the faculty member responsible for the course is expected to review the materials and the appropriateness of the grade. This is so even if the materials in question have already been discussed by the TA with the student.)

Verification

In a case where a student feels that totalling errors have been made in arriving at the final grade, the student can request the instructor to carry out a detailed check that all questions have been marked and that the final grade has correctly been computed on the basis of the term work, final examination, etc.

Rereads

According to the Charter, students have the right, subject to reasonable administrative arrangements, "to an impartial and competent review of any mark" (hereafter "reread").

At the time the request for a reread is made, the student should have already met with the faculty member responsible for the course to review the mark, or made a reasonable attempt to do so. Rereads can only be requested if a change upwards in the letter grade for the course is possible as a result of the reread. Assignments can only be reread if, together, they account for more than 20% of the course grade.

The reread by a second reader is a review of the mark, not the work assigned. It is the second reader's task to determine whether the original mark is fair and reasonable, not to give the work a totally new assessment.

1. The time limit for requesting a reread is within 30 days after posting of the final marks for the course. However, in the case of work which has been graded during the course and returned to the student, students must indicate in writing to Graduate and Postdoctoral Studies within 5 working days of receiving the graded work their intention to request a reread. This intention must be confirmed within 30 days of the posting of the final marks for the course.

(Note: Material that is returned to a student **cannot be reread** unless arrangements have been made to ensure that the material has not been changed subsequent to the original grading; for example, the student can make a copy for the professor to retain either before handing the material in or immediately upon receiving it back from the instructor or at the point where the professor and student review the work together.)

Instructors are strongly advised to write their corrections in red pen and to write comments which help the student to understand the mark assigned.)

2. The request for a formal reread must be made by the student in writing to Graduate and Postdoctoral Studies and should specify the reasons for the request. It should include a statement indicating that the student has already met with the faculty member responsible for the course to review the mark or indicating why this has not been possible. The reread fee (\$35 for an exam, \$35 for a paper

All requests for a leave of absence for health reasons should be accompanied by the following:

- a duly completed *Leave of Absence/Non-Resident Request Form* available from www.mcgill.ca/gps/staff/registration;
- a written request from the student;
- a Minerva form to drop all courses for all relevant terms;
- a medical certificate.

To be acceptable, the medical certificate must contain a least the following items:

- the student's name, as well as complete contact information for the physician;
- a clear statement by the physician justifying the student's inability to perform his/her academic duties, with start and end dates;
- if the request is submitted during a term for which the leave is requested, a clear explanation as to why the health conditions in question did not prevent the normal performance of academic duties at the beginning of the semester.

No retroactive requests for leave of absence will be considered.

It remains the student's responsibility to verify their administrative situation, in particular, as it pertains to term and course registration.

9.7 Failure Policy

Please refer to *University Regulations and Resources > Graduate > Regulations > : Failure Policy* for information regarding the policy and procedures to follow in cases of failure.

9.8 Guideline on Hours of Work

In order to maintain full-time status, a graduate student should not work more than 180 hours per term over 15 weeks with 12 hours per week.

10 Research Policy and Guidelines, Patents, Postdocs, Associates, Trainees

Students must inform themselves of University rules and regulations and keep abreast of any changes that may occur. The *Research P*

10.5 Guidelines for Research with Animal Subjects

Please refer to the guidelines for research involving animal subjects available at: www.mcgill.ca/research/researchers/compliance/animal.

10.6 Policy on Intellectual Property

Please refer to the Policy on Intellectual Property available at: www.mcgill.ca/research/researchers/ip.

10.7 Regulations Governing Conflicts of Interest

Please refer to the regulations governing conflicts of interest available at www.mcgill.ca/secretariat/policies/conflictinterest.

10.8 Safety in Field Work

Please refer to the policies on safety in field work available at www.mcgill.ca/ehs/fieldworksafety.

10.9 Office of Sponsored Research

Please refer to the Office of Sponsored Research, available at: www.mcgill.ca/research/researchers.

10.10 Postdocs

Please see www.mcgill.ca/gps/postdocs.

10.11 Research Associates

A Research Associate is a senior career researcher who usually works independently, in most cases has a Ph.D. or equivalent, and is often supported directly by outside granting agencies. (www.mcgill.ca/apo/classifications/other/research-associate)

11 Academic Programs

The programs and courses in the following sections have been approved for the 2011-2012 session as listed, but the Faculty reserves the right to introduce changes as may be deemed necessary or desirable.

11.1 Dentistry

11.1.1 Location

Faculty of Dentistry
3640 University Street, Room B15

11.1.2 About Dentistry

M.Sc. in Dental Sciences

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.

M.Sc. in Dental Sciences, Option in Oral and Maxillofacial Surgery

A residency training program in Oral and Maxillofacial Surgery provides a candidate with a comprehensive background for the practice of Oral and Maxillofacial Surgery as a specialty.

During the four years of the program, the candidate serves as a resident principally at the Montreal General Hospital. During this time, the resident is given increasing responsibility for the care of in-patients and out-patients, as well as being required to fulfil certain basic science courses and other assignments. A research project must be undertaken, followed by a master's thesis.

The program is open to one candidate per year.

Ph.D. (Ad Hoc)

The Faculty of Dentistry also offers the possibility of directly entering a Ph.D. program on an ad hoc basis, or, with the permission of the supervisor and the approval of the Graduate Program Director, exceptional students may transfer from the M.Sc. to the ad hoc Ph.D. program.

section 11.1.5: 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.

section 11.1.6: Master of Science (M.Sc.); Dental Sciences (Thesis) — Oral and Maxillofacial Surgery (46 credits)

McGill University, through the Faculty of Dentistry and the McGill University Health Centre, offers an advanced education program in Oral and Maxillofacial Surgery. The program is fully accredited by the Canadian Dental Association Accreditation Committee. It is a four-year program and commences on July 1st of each year.

section 11.1.7: Master of Science (M.Sc.); Dental Sciences (Non-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.

11.1.3 Dentistry Admission Requirements and Application Procedures

11.1.3.1 Admission Requirements

M.Sc. in Dental Sciences

Students who have successfully completed a B.A. with a CGPA of 3.0 on a 4.0 scale are eligible to apply for admission to a graduate program in the Faculty of Dentistry leading to the M.Sc. degree in Dental Sciences. TOEFL (or IELTS) tests must be passed in the case of applicants to graduate studies whose mother tongue is not English and who have not completed an undergraduate or graduate degree from a recognized foreign institution where English is the language of instruction or from a recognized Canadian institution (anglophone or francophone).

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

M.Sc. in Dental Sciences, Option in Oral and Maxillofacial Surgery

Candidates for this program must possess a D.D.S. or D.M.D. degree or its equivalent, and be acceptable to l'Ordre des Dentistes du Québec as a training elatiT.0 ohal Hospi.1.3

M.Sc. in Dental Sciences, Option in Oral and Maxillofacial Surgery

This is a four-year M.Sc. thesis program. Applicants applying to the OMFS program must apply to the Certificate in Oral and Maxillofacial Surgery (not Graduate Studies). Prior to the start of the third year, students will be requested to submit an application to the M.Sc. Dental Sciences - OMFS program (Graduate Studies program) in order to complete the program.

Further information may be obtained through our website at

www.mcgill.ca/dentistry/prospective-students/oral-and-maxillofacial-surgery-training-programs/4-year-residency-oral-and-maxi.

11.1.4 Dentistry Faculty**Dean, Faculty of Dentistry**

P.J. Allison

Associate Dean, Graduate Studies and Research

M.D. McKee

Director, Graduate Studies

S. Tran

Director, Graduate Program in Oral and Maxillofacial Surgery

M. El-Hakim

Professors

P.J. Allison; B.D.S., F.D.S.R.C.S., M.Sc.(Lond.), Ph.D.(McG.)

G. Bennett; B.A.(Rutgers), M.A., Ph.D.(Va.)

M.C. Bushnell; B.A.(Md.), M.A., Ph.D.(Amer.)

F. Cervero; M.B., Ch.B., Ph.D.(Madrid), D.Sc.(Edin.)

J.S. Feine; D.D.S., M.S.(Texas), H.D.R.

M.D. McKee; B.Sc., M.Sc., Ph.D.(McG.)

Associate Professors

R. Albuquerque; D.D.S., Ph.D.(Brazil)

J.E. Barralet; Ph.D., IRC(Lond.)

C. Bedos; D.D.S.(Paris), M.Sc., Ph.D.(Montr.)

P.J. Chauvin; B.Sc., D.D.S.(McG.), M.Sc.(W. Ont.), F.A.A.O.P., F.R.C.D.(C)

M. Dagenais; D.M.D.(Montr.), Dip. Oral Radiology(Tor.)

R. Emery; D.D.S., M.Sc.(McG.), F.R.C.D.(C), Dipl. A.B.O.M.S.

M.T. Kaartinen; M.Sc.(Jyväskylä), Ph.D.(Kuopio, Finland)

S. Komarova; M.Sc., Ph.D.(Moscow)

H. LeMoual; D.E.A., M.Sc.(Paris), Ph.D.(Montr.)

S. Nazhat; B.Eng., M.Sc., Ph.D.(Lond.)

D. Reinhardt; Ph.D.(Munich)

J.-M. Retrouvey; D.M.D.(Montr.), M.Sc.(Boston)

S. Schwartz; D.M.D.(Montr.), M.Sc. Cert. Pedo.(Boston), F.I.C.D., F.A.C.D.

M. Tabrizian; D.E.A., Ph.D.(Paris)

S. Tran; D.M.D.(Montr.), Cert. Perio, Ph.D.(Minn.)

H. Vali; B.Sc., Ph.D.(Germany)

Assistant Professors

M.E. Macdonald; M.A.(Dal.), Ph.D.(McG.)
 M. Murshed; B.Sc.(Aligarh, India), M.Sc.(Free Univ., Brussels), Ph.D.(Cologne)
 P. Schweinhardt; M.D.(Ruprecht-Karls Univ.), Ph.D.(Oxf.), Postdoctoral Fellow(McG.)
 L. Stone; B.Sc.(Calif.), Ph.D.(Minn.)
 F. Tamimi; D.M.D.(Jordan), Ph.D.(Madrid)
 A. Velly; D.D.S.(Brazil), M.Sc., Ph.D.(Montr.)
 J. Veronneau; D.D.S., M.Sc.(Montr.), Ph.D.(McG.)
 J. Zhang; M.D.(Shanghai Second Medical), M.Sc.(Univ. Paris XIII), Ph.D.(Laval)

Adjunct Professors

B. Nicolau; D.D.S.(Brazil), M.Sc., Ph.D.(Lond.)
 M.-C. Rousseau; B.Sc.(UQAM), M.Sc., Ph.D.(McG.)
 A. F. Smith; B.A.(McG.), M.Sc., Ph.D.(Lond.)

Associate Members

E.L. Franco, E.G. Gisel, J. Morais, H. Warshawsky

11.1.5 Master of Science (M.Sc.); Dental Sciences (Thesis) (45 credits)**Thesis Courses (30 credits)**

(24-30 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 (8 credits)

DENT 563	(1)	Introduction to Research
DENT 671D1	(2)	Advanced Research Seminar
DENT 671D2	(2)	Advanced Research Seminar
EPIB 507	(3)	Biostatistics for Health Professionals

Complementary Courses (13 credits)

7-13 credits chosen from the following courses:

ANAT 663D1	(4.5)	Histology
ANAT 663D2	(4.5)	Histology
DENT 504	(3)	Biomaterials and Bioperformance
DENT 654	(3)	Mechanisms and Management of Pain
DENT 672	(3)	Applied Mixed Methods in Health Research
EPIB 621	(4)	Data Analysis in Health Sciences
EPIB 635	(3)	Clinical Trials
EPIB 655	(3)	Epidemiology in Public Health

EXMD 610	(3)	Biomedical Methods in Medical Research
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Other complementary 500- or 600-level courses may be taken with the approval of the supervisor or the research director and GPS.

11.1.6 Master of Science (M.Sc.); Dental Sciences (Thesis) — Oral and Maxillofacial Surgery (46 credits)

Thesis Courses (30 credits)

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

Required Courses (16 credits)

DENT 631	(3)	OMFS 2 Seminar
DENT 632	(3)	Clinical OMFS 2
DENT 641	(3)	OMFS 3 Seminar
DENT 642	(3)	Clinical OMFS 3
EPIB 607	(4)	Inferential Statistics

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

The M.Sc. degree should normally be completed within two years of full-time study.

Research Project (6 credits)

DENT 670	(6)	Dental Research Project
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Required Courses (20 credits)

BIOE 682	(3)	Medical Basis of Bioethics
DENT 563	(1)	Introduction to Research
DENT 655	(3)	Health Technology Assessment
DENT 671	(4)	Advanced Research Seminar
EPIB 507	(3)	Biostatistics for Health Professionals
EPIB 600	(3)	Clinical Epidemiology
EXMD 610	(3)	Biomedical Methods in Medical Research

Complementary Courses (19 credits)

(minimum 19 credits)

19 credits from Stream 1 OR Stream 2:

Stream 1: Basic Science Research Methods

ANAT 663D1	(4.5)	Histology
ANAT 663D2	(4.5)	Histology
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 654	(3)	Mechanisms and Management of Pain
DENT 669	(3)	Extracellular Matrix Biology
DENT 673	(3)	Biotechnology and Entrepreneurship
MIMM 509	(3)	Inflammatory Processes
PHGY 517	(3)	Artificial Internal Organs