DEPARTMENT OF CIVIL ENGINEERING GRADUATE STUDENT HANDBOOK^{*}

2022-2023 ACADEMIC SESSION



McMaster University

Hamilton, Ontario, Canada L8S 4L7

*Please note that if there is any discrepancy between this document and the 2022-2023 Graduate Calendar, the Graduate Calendar prevails.

*Certain sections may vary or be made inaccurate due to COVID restrictions, especially around registration, employment, and funding. McMaster University reserves the right to change its policies this year in the face of government and public health announcements.



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CHAIR'S WELCOME



Welcome to the Department of Civil Engineering! We are a world class research-intensive department with innovative and exciting programs focused within four synergistic areas of specialization that address global grand challenges: <u>intelligent energy systems</u>, <u>resilient infrastructure systems</u>, <u>smarter mobility</u>, and <u>water security under climate change</u>.

We have earned a strong reputation for research and teaching excellence. Our faculty are exceptional, constantly looking for new ways to innovate in emerging and impactful areas. They collaborate with government, industry, and other universities, and attract impressive amounts of research funding.

Our research programs are supported by state-of-the-art equipment housed in our Applied Dynamics, Environmental Systems, Soil Mechanics laboratories, and in other partner research labs across campus.

In our pursuit of excellence, we are committed to fostering an inclusive, diverse, and equitable department where everyone belongs. We provide a conducive environment for your academic success and personal growth, and work hard to ensure that your graduate experience is both enjoyable and rewarding. Our friendly and competent faculty and staff are here to help you succeed, so please do reach out if you need support.

I wish you a happy and successful academic year and look forward to meeting you in person!

Moncef L. Nehdi, PhD, P.Eng., FCAE, FEIC, FACI, FCSCE, FAAIC Professor and Chair

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Department of Civil Engineering Graduate Program Contact Information

Amelia Brook Graduate Program Administrative Assistant JHE-301 brookam2@mcmaster.ca x24287

Sarah Sullivan Academic Department Manager JHE-301A sullivsb@mcmaster.ca x24746

Dr. Peijun Guo Associate Chair of Graduate Studies JHE-227 guop@mcmaster.ca x27903 Amelia Brook is your first point of contact for all graduate program-related questions or concerns. Amelia is available to meet one-on-one with students to discuss policies, examinations, courses, and degree progression. She is the person you should contact prior to the below individuals.

Sarah Sullivan is your point of contact for teaching assistantship or funding questions.

Dr. Peijun Guo is your point of contact for supervisory or policy related graduate program questions or concerns.

Dr. Moncef Nehdi Department Chair JHE-301B <u>nehdim@mcmaster.ca</u> x23824 Dr. Moncef Nehdi is the Department Chair and can be contacted regarding questions or concerns you may have that could not be answered by the Associate Chair of Graduate Studies or Graduate Administrative Assistant.

Department of Civil Engineering Personnel

FACULTY		
Dr. Adedapo Awolayo	Assistant Professor, ETB 404 Reservoir engineering and simulation, enhanced oil recovery, geochemic porous media	awolayoa@mcmaster.ca cal modeling transport in
Dr. Georgios Balomenos	Assistant Professor, JHE-338 Structural engineering, resilience and sustainability of infrastructure, muresilience-based and multi-hazard design, risk analysis of interdependen reliability, and optimization	balomeng@mcmaster.ca Iti-hazard risk assessment, t infrastructure, structural
Dr. Samir E. Chidiac	Professor, JHE-A414 Durability/service life modeling of engineering materials, modeling heat porous media, concrete technology, stone masonry, energy efficiency of	chidiac@mcmaster.ca and mass transfer in buildings
Prof. Cameron Churchill	Assistant Professor and Director, Engineering and Society, JHE 316/C Design of sustainable communities.	church@mcmaster.ca
Dr. Paulin Coulibaly	Professor, GSB-235 Hydrologic modelling and forecasting, hydroinformatics, water resource environmental and climatic data analysis	couliba@mcmaster.ca es engineering,
Dr. Sarah Dickson-Anderson	Professor, JHE-225, Hydrogeology, contaminant fate & transport, local water security, coupl hydrology.	sdickso@mcmaster.ca ed-systems (social)
Dr. Wael W. El-Dakhakhni	Professor, JHE-303 Martini, Mascarin and George Chair in Masonry Design Complex systems simulation, data analytics, interdependence and resilie systemic risk mitigation, infrastructure performance in multi-hazard env	eldak@mcmaster.ca nce quantification, ironments
Dr. Mohamed Ezzeldin	Assistant Professor, JHE-224 Earthquake engineering, system-level performance quantification, exper numerical and analytical modelling, nonlinear simulation models, reinfo systems, reinforced concrete structures, resilient systems, risk assessmer analytics	ezzeldms@mcmaster.ca imental dynamic testing, rced concrete block it, structural dynamics, data
Dr. Peijun Guo	Professor, JHE-227 Geomechanics, geotechnical engineering seismic soil-structure interaction applications	guop@mcmaster.ca on and finite element
Dr. Yiping Guo	Professor, JHE-226 Uncertainty and trend analysis in water resources engineering, urban hyd stormwater management	guoy@mcmaster.ca drology, and urban
Dr. Ousmane Hisseine	Assistant Professor, BSB-B107 Sustainable and novel construction materials, civil infrastructure sustain	hisseino@mcmaster.ca ability and resilience
Dr. Mohamed Hussein	Assistant Professor, JHE 228 Road safety, active road users, road user interactions, Bayesian safety m modeling, applications of AI, machine learning, computer vision in trans applications, risk-based design, and ITS	hussem9@mcmaster.ca odels, agent-based sportation, AV/CV safety
Dr. Younggy Kim	Associate Professor, JHE-334 Canada Research Chair (II) Water and Health Biological wastewater treatment, nutrient recovery, PHA (polyhydroxya heavy metal separation, microbial electrochemistry, anaerobic digestion quality monitoring	younggy@mcmaster.ca lkanoate) production, electrodialysis, water

Dr. Zoe (Zhong) Li	Associate Professor, JHE-335 Reliability, vulnerability and risk of environmental infrastructure, climate ch impact assessment, hydrological risk modeling and probabilistic forecasting	zoeli@mcmaster.ca nange modeling and
Dr. Moataz Mohammad	Associate Professor, JHE-230 mm Electrification of transit systems, transit modelling, transportation-energy ne autonomous mobility, unmanned aerial vehicles (drones), optimization mode systems, system impacts, last-mile delivery	ohame@mcmaster.ca exus, electric and els and adaptable
Dr. SeonHong Na	Assistant Professor, JHE-A411 Computational geomechanics, geotechnical engineering, multiscale and Mul numerical modelling, data-driven modelling, plasticity and fracture mechani laws	nas1@mcmaster.ca htiphysics analysis, cs, material constitutive
Dr. Moncef Nehdi	Professor, JHE-301B n Cement-based materials, concrete technology, durability/repair/rehabilitation Net Zero - low carbon construction materials, sustainability, machine learnin models	ehdim@mcmaster.ca n, recycling byproducts, ng and data driven
Dr. Saiedeh Razavi	Professor, JHE-337 Chair in Heavy Construction Automation in construction, intelligent transportation systems, AI-driven log supply chain	razavi@mcmaster.ca gistics, data-driven
Dr. Michael Tait	Professor, JHE-143 Joe Ng-JNE Consulting Chair in Design, Construction and Managemen Renewal Structural dynamics, passive structural control systems, base isolation, struct retrofit/rehabilitation	taitm@mcmaster.ca t of Infrastructure tural health monitoring,
Dr. Susan Tighe	Provost and Vice-President (Academic), t Sustainable pavement engineering, long-life infrastructure, solar technology infrastructure, application of asset management to highway and airport operation	ighes1@mcmaster.ca in roads and pavement ations
Dr. Lydell Wiebe	Associate Professor, JHE-333 Endowed Chair in Effective Design of Structures Earthquake engineering, structural dynamics, nonlinear dynamic modelling structures, self-centering systems, large-scale physical testing, sustainable an infrastructure	wiebel@mcmaster.ca techniques, steel nd resilient
Dr. Cancan Yang	Assistant Professor, JHE-339 canca Prestressed/reinforced concrete highway bridges, precast concrete componen bridge construction, corrosion of concrete structures in a changing climate, i advanced materials in structural design for seismic resiliency, vehicle collisi highway bridges	myang@mcmaster.ca nts for accelerated mplementation of on with concrete
Dr. Hao Yang	Assistant Professor, JHE-229 ha Connected and autonomous vehicles, big data analytics, energy and environe transportation operations and control	noyang@mcmaster.ca ment sustainability, and
Dr. Benzhong (Robin) Zhao	Assistant Professor, JHE -336 rob Climate change mitigation, renewable energy, water security, energy storage multiphase flow, porous media, electrochemistry	inzhao@mcmaster.ca e, carbon storage,

PROFESSORS EMERITUS

Dr. Brian W. Baetz	Professor Emeritusbaetz@rDesign of sustainable communities.	ncmaster.ca
Dr. Robert G. Drysdale	Professor Emeritus drysdale@r Reinforced and prestressed concrete; building science; properties of masonry; design of structures.	ncmaster.ca of masonry
Dr. Ahmed Ghobarah	Professor Emeritus ghobara@r Dynamic analysis of structures and earthquake engineering. Rehabilitation of structure seismic upgrade of existing structures using advanced composites.	ncmaster.ca es and
Dr. F. L. Hall	Professor Emeritus	
Dr. Arthur C. Heidebrecht	Professor Emeritus heidebr@r Earthquake engineering and structural dynamics; seismic analysis of buildings and nuc plant structures; seismic qualification of equipment in nuclear power plants.	ncmaster.ca clear power
Dr. Robert M. Korol	Professor Emeritus korol@ Plastic theory of metal structures; inelastic buckling; limit analysis; environmental ass life cycle analysis methodologies.	ncmaster.ca essment and
Dr. Stanislaw Pietruszczak	Professor Emeritus, ITB-108 pietrusz@r Structural and geotechnical materials – constitutive relations and finite element application biomechanics.	ncmaster.ca ations;
Dr. A. Ghani Razaqpur	Professor Emeritus razaqpu@r Reinforced and prestressed concrete, fibre reinforced polymer (FRP) applications in st advanced numerical modelling of structures, durability of concrete and reinforcement design of structures against blast loads, bridge engineering.	ncmaster.ca ructures, corrosion,
Dr. K.S. (Siva) Sivakumaran	Professor Emeritus, JHE-119 siva@r Advanced composite material structures, cold-formed steel structures, structural dynar element analysis.	ncmaster.ca nics, finite
Dr. Alan A. Smith	Professor Emeritus alan@alar Water Resources	asmith.com
Dr. Dieter F. E. Stolle	Professor Emeritus, JHE-119 stolle@r Applied mechanics; geotechnical engineering and finite element applications	ncmaster.ca
Dr. Ioannis K. Tsanis	Professor Emeritus, tsanis@r Hydraulics, air-water interaction, lake hydrodynamics, diffusion and dispersion of pol	ncmaster.ca lutants.
Dr. John C. Wilson	Professor Emeritus jcwilson@r Structural dynamics and earthquake engineering, bridge engineering	ncmaster.ca

TECHNICIANS

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Kent Wheeler	ADL Supervisor and Innovative Experiential Learning Coordinator, ADL-105, Ext. 22031	wheelek@mcmaster.ca

ADMINISTRATIVE STAFF

Sarah Sullivan	Academic Department Manager, JHE-301/A, Ext. 24746	sullivsb@mcmaster.ca
Amelia Brook	Administrative Assistant - Graduate, JHE-301, Ext. 24287	brookam2@mcmaster.ca
Olive Pare	Administrative Assistant - Undergraduate, JHE-301, Ext. 24315	pareok@mcmaster.ca

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ADJUNCT MEMBERS

Assistant Professor (Adjunct), University of California	tbecker@mcmaster.ca
Professor (Adjunct), Warsaw	
Professor (Adjunct), Delft	
Professor (Adjunct), University of British Columbia	
Assistant Professor (Adjunct), McMaster University	hassinis@mcmaster.ca
Assistant Professor (Adjunct), Waterloo	
Professor (Adjunct), University of Regina	
Assistant Professor (Adjunct), University of California	konstant@mcmaster.ca
Assistant Professor (Adjunct), McMaster University	
Assistant Professor (Adjunct), Queens University	
Assistant Professor (Adjunct)	mekkyw@mcmaster.ca
Assistant Professor (Adjunct), McMaster University	
Professor (Adjunct), Hydromantis, INC	
	Assistant Professor (Adjunct), University of California Professor (Adjunct), Warsaw Professor (Adjunct), Delft Professor (Adjunct), University of British Columbia Assistant Professor (Adjunct), McMaster University Assistant Professor (Adjunct), Waterloo Professor (Adjunct), University of Regina Assistant Professor (Adjunct), University of California Assistant Professor (Adjunct), McMaster University Assistant Professor (Adjunct), Queens University Assistant Professor (Adjunct) Assistant Professor (Adjunct) Assistant Professor (Adjunct) Professor (Adjunct), McMaster University Professor (Adjunct), Hydromantis, INC

ASSOCIATE MEMBERS

Dr. Altaf Arain

Dr. Carlos Filipe

Dr. Antonio Paez

Dr. Chi-Keung Tang Dr. Tom Wanyama

School of Geography and Earth Sciences Chemical Engineering School of Geography and Earth Sciences W. Booth School of Engineering Practice and Technology W. Booth School of Engineering Practice and Technology

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INDUSTRY PROFESSOR

Dr. Mark Ferguson Mr. Youngseck Hong Dr. Ayman Saudy Professor (Adjunct) Professor (Adjunct), GE Water Professor (Adjunct), McMaster

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Websites of Interest

Back to Mac Covid-19	https://covid19.mcmaster.ca/ This is where you can find undated information related to the
	university's policies and procedures surrounding COVID-19
McMaster Engineering Graduate Society	http://egs.mcmaster.ca/
McMaster Graduate Students Association	https://gsa.mcmaster.ca/
Civil Eng. Graduate Course Schedule	Available via Mosaic.
Graduate Studies Sessional Dates and Deadlines	https://academiccalendars.romcmaster.ca/content.php?catoid=46&navo id=9207
Human Rights and Equity Services	https://equity.mcmaster.ca/
International Student Services	https://studentsuccess.mcmaster.ca/international-students/ https://gs.mcmaster.ca/ive-accepted-my-offer/international-students/
Travelling to McMaster University	https://gs.mcmaster.ca/international-students-travelling-to-mcmaster- university/
Leaves of Absence	https://academiccalendars.romcmaster.ca/content.php?catoid=46&navo id=9200#2-5-7_leaves_of_absence
OMBUDS Office	https://www.mcmaster.ca/ombuds/
Parking and Transportation Services	Parking: http://parking.mcmaster.ca/
	Office of Sustainability – Alternative Transportation: https://facilities.mcmaster.ca/services/sustainability/transportation/
Student Accessibility Services	https://sas.mcmaster.ca/ Student Accessibility Services (SAS) provides academic accommodation assistance and related supports to students with disabilities at McMaster. SAS is available to assist students transitioning from high school, other post secondary institutions, undergraduate, continuing, and graduate students. Approved accommodations of previous undergraduates at McMaster do not automatically apply during graduate studies. Students needing accommodations should return to SAS soon after commencement of their graduate program to implement or update your status and activate accommodations.
SGS Orientation Hub	https://gs.mcmaster.ca/ive-accepted-my-offer/graduate-student- orientation-fall/ https://msumcmaster.ca/info/hsr-bus-pass/
Setting up your McMaster Email Address and other technology services for students	https://uts.mcmaster.ca/catalogue-students/
Student Wellness Centre	https://wellness.mcmaster.ca/
SWHAT (Students Walk Home Attendant Team)	https://msumcmaster.ca/service/swhat/
Health and Safety Training including WHMIS	https://hr.mcmaster.ca/employees/health_safety_well-being/our- safety/health-and-safety-training/
UHIP	https://studentsuccess.mcmaster.ca/international-students/health- insurance/

GENERAL INFORMATION FOR NEW GRADUATE STUDENTS

2022-2023 Academic Year

The following information is offered to assist incoming graduate students in establishing their programmes of study and research.

Programme Counselling:

The Associate Chair of Graduate Studies is Dr. Peijun Guo who can be reached at <u>guop@mcmaster.ca</u>. Dr. Guo will advise students on the design of programmes of study and will be available to answer questions concerning general graduate student issues. The Graduate Administrative Assistant, Amelia Brook, will be available in to assist with registration and general inquiries.

Students should discuss course content and research interests with appropriate faculty members so that study programmes can be developed which best suit the student's particular area of interest. All course descriptions are available in the <u>Graduate Calendar</u>, and a list of those offered by the department this year can be found on Mosaic.

Courses:

Graduate courses will commence on or after September 1, 2022. All students should register in their chosen courses, or indicate if they are working on their research, thesis/project for Terms I, II and III via MOSIAC by September 23, 2022.

Students should note that certain courses available for graduate credit are offered concurrently with undergraduate courses. These are designated as 600-level in the Graduate Calendar and 400-level courses in the Undergraduate Calendar. Since all undergraduate classes commence on <u>September 7th</u>, graduate students contemplating registration in such a course(s) should try to attend the first lectures in that week. Timetable and room schedule details are available in MOSAIC. Similarly, it should be noted that students taking graduate classes outside of the department (e.g. in Chemical Engineering) should ensure that their enrolment intentions are made known to the appropriate department. The most effective liaison is by personal contact with the course instructor. Students may be required to submit a request for In-Program Course Adjustments.

First Time Teaching Assistants (TA):

McMaster University requires all first time TAs to take five hours of training at the start of their first term of TA employment (i.e. first time a student starts to TA). Those who do not complete all five hours will not receive payment for the training and may, at the discretion of McMaster's Human Resources, incur disciplinary action. All new TAs in Engineering will be required to take MacPherson's online **anti-oppression training** module on AVENUE, which takes two hours to complete. A quiz at the end of the module will record completion of the course. In addition, Engineering TAs MUST take the three-hour **Engineering TA training workshop**. Engineering has carried out this workshop for over three years, consisting of information on the professional requirements of a TA and many exercises to help new TAs understand the expectations of marking and running tutorials in the Faculty. Engineering TAs **may NOT substitute** the workshop with other courses through MacPherson, though TAs are welcome to take additional courses through MacPherson's online offerings with no compensation. Once a TA receives payment for the five hours of training, they will receive no further compensation for any training modules taken, either in the first term or later.

ADMINISTRATIVE INFORMATION

McMaster Vaccination Policy

As of May 1, 2022, McMaster paused its <u>Vaccination Policy</u> but will continue to follow emerging guidance from University experts and Public Health officials.

Should pandemic circumstances shift, the University will review the situation, which may result in the reinstatement of a mask mandate and/or the resumption of a vaccination policy. Resumption of a vaccination policy will require that access to campus be limited to those fully vaccinated against COVID-19, unless a human rights exemption is obtained.

Students will be notified directly upon resumption of a vaccination policy. Students will be expected to adhere to any academic regulations, which are developed in compliance with Public Health guidance and the University's health and safety policies, including any vaccination policy that is in effect. Any applicable deadline(s) for compliance will be clearly communicated.

Payment of Scholarships and Teaching Assistantships

Employment income from TA assignments will be paid bi-weekly by direct deposit to the employee, based on when the student is scheduled to work. TA payments are normally in term 1 (September to December) and/or term 2 (January – April). For more information about when you are scheduled to work, please refer to your employment contract.

Research scholarships paid by Supervisors from a research grant will be paid via lump sum instalments via direct deposit at the beginning of each term, unless otherwise specified by your supervisor. All other scholarships will be disbursed to the student in lump sum instalments via direct deposit at the beginning of each term. Funding for new MASc students entering the program in 2022-2023 extends for 24 months. The funding period is 48 months for the Ph.D. program. If a student is currently enrolled and wins a major graduate scholarship (NSERC, Vanier, OGS, CREATE, QEII GSST, CSC (China), CNPQ-Brazil, KASP (Saudi Arabia), and EAA (Egypt)) the total stipend provided by the department cannot be reduced by more than \$2,500 per term for each term in which the student holds the award (i.e., a maximum stipend adjustment of \$7,500 per year). If the student is a new applicant who brings with them a major graduate scholarship, the total support per year provided to the student cannot be less than the Faculty of Engineering minimum stipend. The stipend re-adjustment mentioned above does not apply. It is strongly recommended the applicant receive an offer covering their tuition at least for the duration of the major graduate scholarship, provided by a teaching assistant position, with the remainder provided by the department and supervisor. At no time shall the Faculty of Engineering contribute the \$6,250 domestic doctoral scholarship or the \$1,250 international doctoral bursary for the years which the applicant is anticipated to hold the major graduate scholarship.

Further information about student accounts, timing of payments and payment schedule for the 2022-2023 academic year will be sent prior to the Fall. Information regarding the funding model can be found here: <u>https://gs.mcmaster.ca/current-students/scholarships/</u>. Should you have questions concerning your monthly payment, please contact our Academic Department Manager, Sarah Sullivan, at ext. 24746 (E-mail: <u>sullivsb@mcmaster.ca</u>).

Grace Periods

Per <u>Section 3.2.5</u> of the 2022-2023 Graduate Calendar, 'Tuition fees continue to be assessed until all degree requirements are met, including the successful submission of the final approved thesis to MacSphere. If a student uploads their final thesis mid-term or -month, their tuition will be assessed to the end of that month and any future enrolment will be removed during the clear to graduate process (e.g., student uploads in February, they will be refunded for March and April). Note that there is no grace period at the end of December or April for final thesis submission and completion of degree requirements'.

Attendance and Vacations of Full-time Graduate Students

As indicated in the *School of Graduate Studies 2022-2023 Calendar, Section 2.5.8. Vacations*: "Full-time graduate students are expected to be on campus for all three terms of the university year, as specified in <u>Section 1.3</u>. In addition to statutory holidays (see <u>Sessional Dates</u>) and the closure of the University normally late December until early January, normal vacation entitlement for a graduate student is two weeks of vacation during the year to be scheduled by mutual agreement with the research supervisor. An exception to this allotment requires approval from the supervisor or in the supervisor's absence a member of the supervisory committee. Students who are also employees of the University must seek vacation approval from their employment supervisor and are entitled to vacation time pursuant to the terms of their employment contract."

Absences of more than two weeks <u>for any reason, including research</u>, must be approved by the Department Chair in addition to the supervisor. Absences of four weeks or more must be approved by the Associate Dean of Graduate Studies - Engineering. Please submit a "<u>Request to be Full-Time Off Campus Form</u>" to seek approval for absences beyond two weeks.

Section 1.3 Responsibilities of Graduate Students to the University - School of Graduate Studies 2021-2022 Calendar also notes that "this permission is needed even for field work or study elsewhere in the world, in order to allow the University to comply with the regulation requiring that a written explanation for such absences be lodged in the Graduate School office. Students may arrange, through the Department and the Associate Dean of Graduate Studies, to be "full-time offcampus" for periods of up to a year. Students will also be required to complete the Risk Management Manual (RMM) 801 forms and gain approval through EOHSS. In cases of unauthorized absence, the student will be deemed to have withdrawn voluntarily from graduate study and will have to petition for readmission. No guarantee of readmission or of renewal of financial arrangements can be made. An exception to this policy would be programs that deliver their curriculum either partially or fully in on-line formats. Please refer to details in individual program descriptions".

Health and Safety Requirements

Provincial legislation requires that all people employed in a workplace where hazardous materials are used attend the W.H.M.I.S. training session. The training is *mandatory*, not optional, for all graduate students in the Department.

All graduate students are *required* to complete the following courses:

- Asbestos Awareness
- Ergonomics
- Fire Safety
- Health and Safety Orientation
- WHMIS 2015
- Slips, Trips and Falls
- Violence & Harassment Prevention in the Workplace
- Job Hazard Analysis

Note that additional safety training courses may also be required depending on your research plans. Safety training plans should be discussed with your supervisor.

Departmental Photocopying

The department has a photocopier in Room 302. To use this copier, you must first obtain permission to do so from your supervisor and then request a copying account code. For further information regarding photocopying accounts, please see the Undergraduate Administrative Assistant, Olivia Pare (<u>pareok@mcmaster.ca</u>).

Computer Facilities

Graduate students who need to use computers for their research will be provided access to a computer by their research supervisors. For larger scale computation, access can be gained to the SHARCNET supercomputer facilities at McMaster. All graduate students' rooms are equipped with high-speed internet connections.

Your McMaster Email Address

As soon as you are issued your McMaster email address, please notify Amelia Brook (<u>brookam2@mcmaster.ca</u>). All email communication to students is done through your McMaster email account. We are unable to send emails to YAHOO, Hotmail or Gmail accounts as per university policy.

Convocating Students

Please see Amelia Brook to obtain our Departmental Exit Sign-Off sheet when you have completed all the requirements for your degree and you are about to submit the final electronic copy of your thesis, revised as directed by your defence examining committee, to the School of Graduate Studies. Additionally, we will be happy to forward your mail via Canada Post for up to three months after you have left if you provide us with your forwarding address.

Plagiarism Checking Software:

Effective October 1st 2021 the university requires all Master's and Doctoral theses to be reviewed by Ouriginal, a plagiarism checking software, before being seen by an external reviewer (Doctoral) or the finished copy submitted (Master's). This requirement can be found in Section 3.2.3 of the Graduate Calendar and the University's Research Plagiarism Checking Policy (found on the Secretariat website). This requirement is not meant to catch plagiarism, but rather to prevent it. By helping students detect sections of text requiring revision before the document is released to the public, the use of this tool can avoid otherwise serious allegations.

Each faculty member has access to the software through AVENUE and is responsible for providing access to their students. Student and supervisor will work together to revise any sections of the thesis that may be overlapping with previously published content that the student does not have permission to copy; sandwich theses are expected to have a substantial amount of already published content, but in this case the student should have sought, and been granted, permission to use it in their document. The student's supervisor is responsible for confirming the thesis is ready to submit. Videos and guides on using Ouriginal are located on the School of Graduate Studies website: https://gs.mcmaster.ca/current-students/resources/ouriginal-urkund-plagiarism-software-testing-phase/

COURSE INFORMATION

General Information

All required courses must be consistent with the content within the areas of research outlined by the department in the School of Graduate Studies Calendar. Courses outside the seven academic departments of Engineering are generally not eligible for use towards graduate degree requirements unless approved by the department and supervisory committee. **Courses in SEPT are not acceptable towards a degree requirement. Professional skills and other complementary type courses like EDU 750 (Principles and Practices of University Teaching) are also not acceptable towards a degree requirement. If your supervisor requires you to take a course outside of the established list approval must be granted by the department. Please see Amelia Brook, Administrative Assistant – Graduate Program for details on how to request approval.**

600-level half courses are offered for graduate credit and are also available to senior undergraduate students. In accordance with the School of Graduate Studies regulations, no program may allow more than one-third of their course requirements to be filled at the 600 level.

Course Registration

Each term there is a deadline for registration and change in course registration (drop/add). Students adding a course after the appropriate deadline will not receive academic credit for that course. Also, students dropping a course after the deadline will receive a failing grade in that course. Students wishing to drop/add extra courses must do so in accordance with the School of Graduate Studies deadlines. Deadlines for such drop/adds are detailed on School of Graduate Studies website at https://gs.mcmaster.ca/current-students/dates-and-deadlines/.

Students are to register for their courses through MOSAIC. All students must meet with their supervisors and gain their approval before registering for courses online. If a student wishes to take "extra credit" courses, they must submit a <u>petition</u> via MOSAIC. More information can be found in <u>Section 2.6.4</u> of *the School of Graduate Studies 2022-2023 Calendar*

Note: Any change in a student's program requires the approval of the student's Supervisor, the Graduate Student Advisor and the Associate Dean of Graduate Studies, Engineering.

Master of Applied Science (M.A.Sc.) Degree Requirements

Graduate Career Planning:

As of September 1, 2015, all new graduate students in Masters or Doctoral programs within the Department of Civil Engineering and the Faculty of Engineering, are required to complete a career planning exercise within their first academic year (September to August). Students must produce a report before the end of their first year. The report should be no more than two pages and must be submitted to the department's Associate Chair of Graduate Studies before the end of August in their first year. For students who start their programs in May or January their career plan must be submitted by the end of their first 12 months in the program. In preparation for writing this career planning exercise, students will be contacted by the Engineering Career Services Dept. for career counseling sessions.

M.A.Sc. Course Requirements:

Candidates will be required to complete satisfactorily the equivalent of 4 half courses (3 units each), of which 50% must be taken from within the Department of Civil Engineering at McMaster University. Please note that additional course work may be prescribed if deemed necessary by the candidate's research supervisor. If a student wishes to take "extra credit" courses they must submit a <u>petition</u> via Mosaic. More information can be found in <u>Section 2.6.4</u> of *School of Graduate Studies 2022-2023 Calendar*.

Additional Requirements:

In addition to the above course requirements, all full-time Master's candidates must attend and participate in the Department of Civil Engineering Graduate Student Seminar Day for the first 6 terms (24 months) of study. Upon completion of all degree requirements, and after the approval of the supervisor, a thesis must be presented which will embody the results of an original investigation usually in the form of one journal paper; and the dissertation is to be defended in an oral examination. Information pertaining to the thesis defence procedures can be found in the Master of Applied Science Examination Regulations section of this document.

As of Sept 2022, all Masters students will be required to complete a degree audit form once a year. Completion of this form will take place prior to the start of an academic calendar year. Students will be required to meet with their supervisors to complete and receive approval of the form. Completed forms must be sent to the department by the specified deadlines.

Supervision:

Supervision of M.A.Sc. students is governed by the regulations set by the School of Graduate Studies. These are outlined in <u>Section 3.1</u> of the *School of Graduate Studies 2022-2023 Calendar*

Preparation of Theses (Regular and Sandwich):

The general requirements for the production of a Master's thesis can be found in the Guide for the Preparation of Master's and Doctoral Theses provided by of the School of Graduate Studies. The link to this document can be found here: https://gs.mcmaster.ca/app/uploads/2019/10/Prep_Guide_Masters_and_Doctoral_Theses_August-2021.pdf

Defence & Submission of M.A.Sc. Theses:

Information on how to write, defend and submit your Master's thesis can found at <u>https://gs.mcmaster.ca/current-students/completing-your-degree/masters-thesis/</u>. Please ignore Step 2 and contact the graduate administrative assistant when you are ready to defend.

DEPARTMENT OF CIVIL ENGINEERING

McMaster University

Hamilton, Ontario

MASTER OF APPLIED SCIENCE EXAMINATION REGULATIONS

RESEARCH THESIS

All M.A.Sc. (thesis) candidates are required to present a thesis, which embodies the results of an original research investigation. The following regulations apply to theses submitted in partial fulfillment of the M.A.Sc. degree requirements.

1. Examination Committee

Each M.A.Sc. candidate must successfully defend her/his thesis in an open oral examination before a committee appointed by the Department Chair. The committee shall be composed of at least three voting members (at least two from the Department), including the candidate's supervisor, and chaired by a non-voting member.

Proposed examination committee voting membership will be made known to each candidate, who has the right to express her/his own opinion concerning this membership to the Graduate Student Advisor. It is the responsibility of the supervisor to inform the candidate of the proposed voting membership of the examination committee.

2. Thesis Examination

It will be the responsibility of the candidate to submit the thesis to members of the examination committee a minimum of two (2) weeks prior to the tentative date of the oral defence.

Prior to the thesis defence, before sending out the draft to the examiners, the entire document must be reviewed for its originality using the University's paid subscription to Ouriginal. The program/supervisor will review the originality report generated by Ouriginal, and either recommend changes to the document or approve it for the defence. A thesis may not be seen by the thesis examining committee (including the external reviewer in the case of a doctoral thesis) until the Ouriginal, generated report was reviewed and approved by the supervisor or the program, unless authorized by the Associate Dean of Graduate Studies.

In the event that a voting member indicates that gross deficiencies exist in the thesis, the examination committee chair will convene a meeting of the voting members to discuss the thesis at least two (2) days before the anticipated date of defence. The purpose of that meeting will be to recommend one of the following courses of action, based on a majority vote:

- (a) that the thesis is not acceptable for defence in its present form and return it to the candidate with explicit comments as to why it is not acceptable.
- (b) that specific modifications in the thesis are required prior to formal defence, and direct the candidate to effect those changes; or
- (c) that the thesis be formally defended with/without minor modifications.

3. Seminar

Each M.A.Sc. candidate must present a seminar on the completed research work. For M.A.Sc. thesis candidates, this seminar will normally be held on the day of the oral examination. Attendance at that seminar is open to all interested persons.

4. Oral Defence

The examining committee chair will convene an oral defence only after receiving from voting members written confirmation that the thesis is acceptable for defence. Formal presentation of the thesis work will normally not be required during an oral examination. <u>The examination will be open to all interested persons.</u>

5. Examination Outcome

A successful defence will include acceptance, by a majority of voting members, of the written thesis and of the oral defence. The outcome of the oral defence will be limited to one of the following, based on majority vote:

- (a) the oral defence and thesis are satisfactory; the candidate is passed;
- (b) either the thesis or the oral defence is unsatisfactory and the candidate is given an opportunity to be reexamined only once; or
- (c) the thesis and/or the oral defence is unsatisfactory; the candidate is failed.

Master of Engineering (M.Eng) Degree Requirements

Graduate Career Planning:

As of September 1, 2015 all graduate students in Masters or Doctoral programs within the Department of Civil Engineering and the Faculty of Engineering, are required to complete a career planning exercise within their first academic year (September to August). Students must produce a report before the end of their first year. The report should be no more than two pages and must be submitted to the department's Associate Chair of Graduate Studies before the end of August in their first year. For students who start their programs in May or January their career plan must be submitted by the end of their first 12 months in the program. In preparation for writing this career planning exercise, students will be contacted by the Engineering Career Services Department for career counseling sessions.

M.Eng. Course Requirements:

Candidates who begin their studies on September 1st, 2021, or later will be required to complete satisfactorily the equivalent of at least 8 half courses (3 units each), of which at least 50% must be taken from within the Department of Civil Engineering at McMaster University. This 50% includes CIVENG 700, the required research project course. CIVENG 700, which is equivalent to 2 half-courses (6 units), is to be taken when students are working on their project, typically after the completion of all academic coursework. Additional course work may be prescribed if deemed necessary by the candidate's project supervisor. If a student wishes to take "extra credit" courses, they must submit a <u>petition</u> via MOSAIC. More information can be found in <u>Section 2.6.4</u> of the *School of Graduate Studies 2022-2023 Calendar*.

Additional Requirements:

In addition to the above course requirements, all full-time Master's candidates must attend and participate in the Department of Civil Engineering Graduate Student Seminar Day for the first 6 terms (24 months) of study. Upon completion of all degree requirements, and after the approval of the supervisor, a report must be presented on a project which demonstrates ability to carry out independent study and reach a satisfactory conclusion. The report must be approved by the department and presented orally to the department. Information pertaining to the project presentation procedures can be found in the Master of Engineering Project Report Guidelines section of this document.

As of Sept 2022, all Masters students will be required to complete a degree audit form once a year. Completion of this form will take place prior to the start of an academic calendar year. Students will be required to meet with their supervisors to complete and receive approval of the form. Completed forms must be sent to the department by the specified deadlines.

Supervision:

Supervision of M.Eng. students is governed by the regulations set by the School of Graduate Studies. These are outlined in <u>Section 3.1</u> of the *School of Graduate Studies 2022-2023 Calendar*

Submissions of M.Eng. Projects:

Once you have successfully presented your M.Eng. project and all corrections have been made, as required by your examination committee, you must submit an electronic copy of your project to our department. This electronic copy must be in a PDF format. Submissions are to be emailed to our Graduate Administrative Assistant. Once this document is received, the appropriate paperwork indicating that you have successfully completed the degree requirements will be submitted to the School of Graduate Studies.

DEPARTMENT OF CIVIL ENGINEERING

McMaster University

Hamilton, Ontario

MASTER OF ENGINEERING PROJECT REPORT GUIDELINES

All Master of Engineering (project) candidates are required to complete CIVENG700 and submit a project report.

CIVENG 700 - M.Eng. INDEPENDENT RESEARCH PROJECT

The M.Eng. Independent Research Project is supervised by a faculty member, and involves either: an experimental investigation, an analytical investigation, a design project, a state-of-the art review, or a combination of these elements in a chosen topic matter in civil engineering. A faculty member (from the Department of Civil Engineering) must agree to supervise the project, and it is a student's responsibility to obtain prior consent of a supervisor. The supervisor may request a project proposal.

The student must submit a project report which demonstrates ability to carry out independent study and reach a satisfactory conclusion. The written report will be evaluated by the supervisor and an independent reader (another faculty member). Upon approval of the written report, the student must orally present the report to the department. A McMaster letter grade will be assigned by the supervisor and the reader based on the written report and the oral presentation.

All project reports submitted for examination will be subject to the same standards as theses. The format and style will comply with the School of Graduate Studies guidelines for thesis preparation.

Should the candidate desire clarification of any matter related to the project report, the Associate Chair of Graduate Studies should be contacted.

PROJECT REPORT

Project reports submitted in partial fulfillment of the Master of Engineering degree requirements will be examined in the following manner:

1. Examination Committee

The project report will be examined by at least two faculty members of the Department, appointed by the Department Chair, including the candidate's supervisor. A third examining member will only be appointed when required to cast a determining vote for an examination outcome in 4 below.

2. **Project Report Examination**

The examination will consist of a detailed review of the project report by the examination committee. The examination committee may require an oral defence.

3. Seminar

Each M.Eng. candidate must present a seminar on their project topic. Attendance at that seminar is open to all interested persons.

4. Examination Outcome

A McMaster letter grade will be assigned by the supervisor and the reader based on the written report and the oral presentation.

A successful examination will include acceptance, by a majority of voting members, of the written project report. The outcome of the examination will be limited to one of the following:

- (a) the project is satisfactory, and the candidate passes.
- (b) the project report is unsatisfactory, and the candidate is given an opportunity to have the report reexamined only once; or
- (c) the project report is unsatisfactory, and the candidate is failed.

Doctor of Philosophy (Ph.D) Degree Requirements

Graduate Career Planning:

As of September 1, 2015, all new graduate students in Masters or Doctoral programs within the Department of Civil Engineering and the Faculty of Engineering, are required to complete a career planning exercise within their first academic year (September to August). Students must produce a report before the end of their first year. The report should be no more than two pages and must be submitted to the department's Associate Chair of Graduate Studies before the end of August in their first year. For students who start their programs in May or January their career plan must be submitted by the end of their first 12 months in the program. In preparation for writing this career planning exercise, students will be contacted by the Engineering Career Services Dept. for career counseling sessions.

Ph.D. Course Requirements:

Candidates will be required to complete satisfactorily the equivalent of 4 half courses (3 units each) in addition to the course requirements for an M.A.Sc. degree (see page 16 of this handbook). 50% of this courseload must be taken from within the Department of Civil Engineering at McMaster University. Additional course work may be prescribed if deemed necessary by the candidate's research supervisor. If a student wishes to take "extra credit" courses, they must submit a petition via Mosaic. More information can be found in <u>Section 2.6.4</u> of the *School of Graduate Studies 2022-2023 Calendar*.

Students entering the Ph.D. program in Civil Engineering directly with a Bachelor's degree or via a transfer from the M.A.Sc. program in Civil Engineering must fulfil the M.A.Sc. course requirements plus complete one additional one-term technical course (equivalent to a half course) at the 700 level.

Additional Requirements:

In addition to the above course requirements, all full-time Ph.D. candidates must attend and participate in the Department of Civil Engineering Graduate Student Seminar Day for the first 12 terms (48 month) of study. The candidate must also pass a Comprehensive Examination which has 2 parts: Part A and Part B. The purpose of this examination is to test the candidate's acquisition of knowledge and maturity of approach to problems in the major field of study, as well as in appropriately chosen cognate subject areas. The detailed regulations governing these examinations is discussed in the *Ph.D. Comprehensive Examination Regulation* section of this document. Upon completion of all degree requirements, and after the approval of the supervisor, a thesis must be presented which will embody the results of an original investigation usually in the form of one journal paper; and the dissertation is to be defended in an oral examination.

As of Sept 2022, all PhD candidates will be required to complete a degree audit form. The student must complete this form at each annual committee meeting with their supervisory committee. Approval of the completed form from the supervisor will be required. Completed forms must be sent to the department after each committee meeting.

Supervision:

Supervision of Ph.D. candidates is governed by the regulations set by the School of Graduate Studies. These are outlined in <u>Section 3.1</u> of the *School of Graduate Studies 2022-2023 Calendar*

Preparation of Theses (Regular and Sandwich):

The general requirements for the production of a Doctoral thesis found in the Guide for the Preparation of Master's and Doctoral Theses provided by of the School of Graduate Studies. The link to this document can be found here: https://gs.mcmaster.ca/app/uploads/2019/10/Prep_Guide_Masters_and_Doctoral_Theses_August-2021.pdf

Defence & Submission of Ph.D Theses:

Information on how to write, defend and submit your Ph.D. thesis can found at <u>https://gs.mcmaster.ca/current-students/completing-your-degree/doctoral-degree/</u>.

Prior to the thesis defence and, in the case of a doctoral thesis, before sending out the draft to the external examiner, the entire document must be reviewed for its originality using the University's paid subscription to Ouriginal, The program/supervisor will review the originality report generated by Ouriginal, and either recommend changes to the document or approve it for the defence. A thesis may not be seen by the thesis examining committee (including the external reviewer in the case of a doctoral thesis) until the Ouriginal, generated report was reviewed and approved by the supervisor or the program, unless authorized by the Associate Dean of Graduate Studies.

DEPARTMENT OF CIVIL ENGINEERING McMaster University Hamilton, Ontario

Ph.D. SUPERVISION AND RESPONSIBILITIES OF Ph.D. SUPERVISORY COMMITTEE

Ph.D. students are required to meet with the supervisory committee once per year at the minimum. The 1st supervisory committee meeting is recommended to be held within the first 4-6 months of the program. If the student's start date is in January or May, they need to have the 1st supervisory meeting no later than November 30th of that year and preferably within the first 4-6 months. It is the responsibility of the student to plan their meeting dates and times based on the availability of the committee, and once this is done, they may contact the Graduate Administrative Assistant to book a room. It is the responsibility of the student to communicate the date, time, and location to the committee. It is important to note subsequent meetings must occur within 12 months of the preceding meeting as per the Graduate Calendar.

At each meeting the student is required to submit the electronic supervisory committee meeting report to their respective committee outlining their progress. The link to this electronic report will be sent by the Graduate Administrative Assistant to the student. The student will verify that the committee is correct and if it is found that it is not, they will contact the Graduate Administrative Assistant. If a hard copy of the Ph.D. supervisory committee report form is needed, a copy can be found on the School of Graduate Studies website under 'Resources' or on the Department of Civil Engineering website under 'Resources'.

NEW AS OF SEPT 2022

All PhD candidates will be required to complete a degree audit form each year at their annual committee meeting with their supervisory committee. Approval of the completed form from the supervisor will be required. Completed forms must be sent to the department after each committee meeting.

All Ph.D. students are required to take, and pass, a comprehensive examination (both Part A and Part B) in order to become a Ph.D. candidate. The governing regulations can be found in the next section.

DEPARTMENT OF CIVIL ENGINEERING

McMaster University

Hamilton, Ontario

Ph.D. COMPREHENSIVE EXAMINATION REGULATIONS

1. Purpose

The purpose of this examination is to test the candidate's acquisition of knowledge and maturity of approach to problems in the major field of study, as well as in appropriately chosen cognate subject areas. It is intended that this examination will also be used to test the candidate's competence and ability to conduct research in the chosen speciality.

The comprehensive examination will consist of two parts – Part A and Part B.

2. Membership of the Ph.D. Examination Committee

<u>The Part A Ph.D. Examination Committee</u> shall consist of a non-voting Committee Chair, and **three voting members** as follows: the supervisor, one representative from the candidate's supervisory committee (this representation will be decided by the members of the supervisory committee), and one departmental representative who is not part of the candidate's Supervisory Committee.

<u>The Part B Ph.D. Examination Committee</u> shall consist of a non-voting Chair, and the three voting members of the Ph.D. Supervisory Committee.

In case of a re-examination the provision of 6(b) shall also apply.

3. Chair of the Ph.D. Examination Committee

The position of the Examination Committee Chair shall be taken by rotation of the departmental faculty. The candidate's supervisor(s), the Graduate Student Advisor or the Department Chair shall in no instance be the Ph.D. Examination Committee Chair.

4. Part A: Breadth and Depth of Knowledge

<u>Objective</u>: The objective of Part A, consisting of a written examination and an oral examination, is to test the candidate's knowledge of undergraduate material in the major field of study, with graduate level understanding and the ability to think independently.

Time: Students shall take Part A normally within 10 months of admission to the doctoral program.

Written part**:

This is a 4-hour open-book/closed-door examination, with three questions in three selected subject areas. For each question, the candidate must demonstrate a graduate-level understanding of undergraduate material. The three subject areas shall be selected by the Examination Committee. The candidate shall be informed of the three areas **at least two months** prior to the exam. Without restricting the reference materials that candidates may choose to bring to the examination, candidates shall be notified at least two months before the examination of any references that they are required to bring. The use of computers/tablets during the examination will be allowed however access to communication platforms and internet will be strictly prohibited.

Oral part:

The oral exam shall be conducted within 48 hours following the written part.

The oral examination will mostly be based on the questions from the written part of the examination. However, the scope of the oral part may extend to examine the depth of knowledge in the candidate's discipline area and possible deficiencies in the candidate's academic background.

The oral exam shall not exceed two hours in duration.

5. Part B: Research Proposal and Oral Exam

<u>Objective</u>: The objective of Part B is to test the candidate's competence and ability to conduct research in the chosen specialty.

Time: Within **<u>8 months</u>** of passing Part A Examination.

Written part:

The candidate shall submit a research proposal, a minimum of two weeks before the Part B examination, up to a maximum of 25 pages in length. This page length does not include the cover page or references.

Oral part:

The candidate will be required to present the research proposal in a summary fashion (approximately 20 minutes) to the committee, followed by questions directly related to the proposal and the candidate's specific area of research. The oral part is an open examination and shall not exceed two hours in duration.

6. Outcome of the Examination

The evaluation and outcome of the examination applies to both Parts A and B of the examination.

There shall only be two possible outcomes of the first Ph.D. Comprehensive examination. The committee shall render one of the following decisions:

- a. When there are two or more passing votes then the Committee rules that the candidate passed the examination. The Committee may add to this pass conditions to correct any weaknesses detected (e.g., take a specific course). [Designation of 'Pass']
- b. When there are two or more "Unsatisfactory" votes there shall be a re-examination.
 - For Part A, the re-examination shall be within <u>4 months</u> of the initial attempt. The Part A reexamination shall contain only three questions. In the event of a re-examination for Part A, one new member shall be added to the original examination committee.
 - ii) For Part B, the re-examination shall be within <u>3 months</u> of the original examination and within <u>20 months</u> of admission to the doctoral program, whichever is earlier. [Designation of 'Re-Examination']
 - iii) There shall only be two possible outcomes of a re-examination. The committee shall render one of the following decisions:
 - i. <u>For Part A</u>, when there are three or more passing votes then the Committee rules that the candidate passed the examination.
 - ii. <u>For Part B</u>, two or more passing votes are required for a pass. The Committee may add to this pass conditions to correct any weaknesses detected (e.g., take a specific course).
 [Designation of 'Pass']
 - When there are two or more "Unsatisfactory" votes, the candidate will fail. The candidate will be required to withdraw from the Ph.D. programme for a "Fail" in the reexamination of either Part A or Part B. [Designation of 'Fail']

The Re-Evaluation and Outcome of the Examination apply to both Part A and B of the Comprehensive Examination.

7. Notification of Outcome

The Chair of the Ph.D. Examination Committee shall verbally inform the candidate of the Committee's decision based on one of the two possible outcomes above. That decision shall be conveyed to the candidate immediately after the Committee has concluded discussion.

Formal written notification of the Committee ruling will be provided by the Graduate Student Advisor upon receipt of the Committee report.

Pertinent McMaster University Policies and Procedures

Academic Integrity Policy:

https://secretariat.mcmaster.ca/app/uploads/Academic-Integrity-Policy-1-1.pdf

Academic Accommodation of Students with Disabilities

https://secretariat.mcmaster.ca/app/uploads/Academic-Accommodations-Policy.pdf

Accessibility Policy:

https://secretariat.mcmaster.ca/app/uploads/2019/05/Accessibility.pdf

Discrimination, Harassment and Sexual Harassment Prevention and Response Policy:

https://secretariat.mcmaster.ca/app/uploads/Discrimination-and-Harassment-Policy.pdf

Fair Dealing Policy

https://copyright.mcmaster.ca/app/uploads/2018/06/Fair-Dealing-Policy-Nov-2013.pdf

Ownership of Student Work

https://secretariat.mcmaster.ca/app/uploads/2019/06/Ownership-of-Student-Work.pdf

Policy on Academic Accommodation for Religious, Indigenous and Spiritual Observances

https://secretariat.mcmaster.ca/app/uploads/2019/02/Academic-Accommodation-for-Religious-Indigenous-and-Spiritual-Observances-Policy-on.pdf

Research Integrity Policy:

https://secretariat.mcmaster.ca/app/uploads/Research-Integrity-Policy.pdf

Sexual Violence Policy:

https://secretariat.mcmaster.ca/app/uploads/Sexual-Violence-Policy.pdf

Sexual Violence Response Protocol:

https://svpro.mcmaster.ca/

Collective Agreement for TA/RA in Lieu of TA:

https://hr.mcmaster.ca/employees/labour-relations/cupe-local-3906-unit-1-tas/

Copyright Information:

https://copyright.mcmaster.ca/

Graduate Student Leaves of Absence:

https://academiccalendars.romcmaster.ca/content.php?catoid=46&navoid=9200#2-5-7_leaves_of_absence

Petition for Special Consideration:

https://gs.mcmaster.ca/app/uploads/2020/02/petition_-_october_2018_revised.pdf

Incomplete/Failing Grades:

https://academiccalendars.romcmaster.ca/content.php?catoid=46&navoid=9200#2-6-11_milestones

Student Code of Conduct:

https://secretariat.mcmaster.ca/app/uploads/Code-of-Student-Rights-and-Responsibilities.pdf

Student Appeals Procedure:

https://secretariat.mcmaster.ca/app/uploads/Student-Appeal-Procedures.pdf