MANAGEMENT

The MSc in Management program provides an awareness of theories of management, research methods, data analysis and other core management topics. It also requires completion of a thesis (for students in the Management Research field) or Major Research Project (MRP) (for students in the Accounting and Innovation, Commercialization and Entrepreneurship field) under the guidance and supervision of a member of the graduate faculty.

The MSc in Management offers opportunities for study in the fields of:

- Management Research
- Innovation, Commercialization, and Entrepreneurship
- Accounting

The objective of the PhD in Management is to prepare individuals who already have a strong background in a management area such as marketing, organizational behaviour, leadership, hospitality / tourism, quality management, economics, finance, or human resources to be academic scholars. This program prepares individuals with solid, formal foundations in theory and practice.

The PhD in Management is a thesis-based program that is offered through the Gordon S. Lang School of Business and Economics. The participating academic units are the Department of Marketing and Consumer Studies (MCS), the Department of Management (DoM) and the School of Hospitality, Food and Tourism Management (HFTM). The PhD in Management has three fields:

- Marketing and Consumer Behaviour
- Organizational Leadership
- Services Management

which are offered jointly by the three academic units.

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MSc Program

The Master of Science (MSc) in Management focuses on the challenges that face leaders in the public, private and, not-for-profit sectors while emphasizing the importance of evidence-based decision-making. Successful completion of the MSc in Management program involves a comprehensive program of theoretical study, backed by significant practical experience and analysis.

The MSc in Management has three fields:
1. Management Research: with emphasis on evidence-based decision-making, is designed to equip students with the necessary skills to create knowledge and to support managerial decisions, with evidence-based reasoning. Courses are designed in a hybrid format with a mix of face-to-face meetings, seminars and lectures as well as online learning. Students in the Management Research field complete a research thesis.

2. Innovation, Commercialization, and Entrepreneurship: equips students with the necessary skills to support managerial decision making and evidence-based reasoning with an emphasis on innovation management and commercialization of technology or business models. This field provides an enriching, professionally relevant and flexible academic experience by including students as part of a collaborative research culture that emphasizes evidence-based management. Students in the Innovation, Commercialization, and Entrepreneurship field complete a major research project.

3. Accounting: combines the conceptual and quantitative elements of accounting, while promoting the integration of theory and practice. It provides graduates with a systemic understanding of knowledge of financial accounting and managerial accounting while fulfilling the requirements of the professional accounting standards defined by CPA Canada Competency Map for the first four modules of the Professional Education Program. Students will develop the technical, analytical, evaluative, leadership and, communication skills needed for a successful career in accounting and related management areas in the field/profession. Students in the Accounting field complete a major research project.

Admission Requirements
To be considered for admission, applicants must meet the minimum requirements of a four-year honours undergraduate degree with a minimum average of 73% during the final two years of study. For the field specialization in Accounting, subject area coverage should be equivalent to that required for entry into the CPA Professional Education Program.

Applicants to the Management Research and Accounting field who do not hold an honours degree with a major in, or possess an undergraduate degree with a strong emphasis in related management fields, may be required to complete additional prerequisites or academic upgrading.

Applicants must submit their transcripts, referee assessment, statement of intent, and resume/CV. Applicants to the Management Research field must submit GMAT or GRE scores. In cases where English is a second language, the applicant must also submit International English Language Testing System (Academic) (IELTS) (minimum 6.5) or Test of English as a Foreign Language (TOEFL Internet-based test (iBT)) (minimum 89 overall with no component score lower than 21). Applicants may also be formally interviewed.

Program Requirements
Management Research

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MGMT*6000</td>
<td>Seminar Series course (Fall and Winter Semester)</td>
<td>0.00</td>
</tr>
<tr>
<td>MGMT*6100</td>
<td>Leadership Assessment and Development</td>
<td>0.50</td>
</tr>
<tr>
<td>MGMT*6150</td>
<td>Business Consulting</td>
<td>0.50</td>
</tr>
<tr>
<td>MGMT*6160</td>
<td>The Creative Process of Innovation</td>
<td>0.50</td>
</tr>
<tr>
<td>MGMT*6200</td>
<td>Project Management</td>
<td>0.50</td>
</tr>
<tr>
<td>MGMT*6300</td>
<td>Foundational Theories of Management</td>
<td>0.50</td>
</tr>
<tr>
<td>MGMT*6400</td>
<td>Commercialization of Innovation</td>
<td>0.50</td>
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<tr>
<td>MGMT*6500</td>
<td>MacRo-Organizational Behaviour</td>
<td>0.50</td>
</tr>
<tr>
<td>MGMT*6600</td>
<td>The Creative Process of Innovation</td>
<td>0.50</td>
</tr>
<tr>
<td>MGMT*6700</td>
<td>Innovation Management</td>
<td>0.50</td>
</tr>
<tr>
<td>MGMT*6810</td>
<td>Cases in Biotechnology Management</td>
<td>0.50</td>
</tr>
<tr>
<td>MGMT*6820</td>
<td>Micro-Organizational Behaviour</td>
<td>0.50</td>
</tr>
<tr>
<td>MGMT*6830</td>
<td>Integrated Cases I</td>
<td>0.50</td>
</tr>
<tr>
<td>MGMT*6840</td>
<td>Integrated Cases II</td>
<td>0.50</td>
</tr>
<tr>
<td>MGMT*6850</td>
<td>Integrated Cases III</td>
<td>0.50</td>
</tr>
<tr>
<td>MGMT*6860</td>
<td>Taxation</td>
<td>0.50</td>
</tr>
<tr>
<td>MGMT*6870</td>
<td>Performance Management</td>
<td>0.50</td>
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</tbody>
</table>
PhD Program

The goal of the PhD program in Management is to produce graduates with both a breadth of knowledge about management theories in general, and a depth of knowledge such that they will be competent researchers and/or teachers in their chosen field. The PhD in Management is offered in three fields: 1) marketing and consumer behaviour; 2) organizational leadership; and 3) services management. Applicants seeking to work with a faculty member from any of the three contributing academic units within the Lang School of Business and Economics (i.e., Department of Management, Department of Marketing and Consumer Studies, School of Hospitality, Food and Tourism Management) on a research topic that does not align with any of the three fields listed above are also welcome to apply.

Admission Requirements

There are three means of entry:

1. An applicant who holds a recognized master's degree in a management related discipline with a high average (normally at least “A-” or first-class standing) may be admitted to PhD studies as a regular or provisional student.
2. An applicant who holds a recognized master's degree with high standing in a field other than management and who wishes to proceed to doctoral study in a management field should consult with the Graduate Program Coordinator about eligibility.
3. An applicant who has achieved excellent standing at the honours baccalaureate level in a management field and who wishes to proceed to doctoral study may enroll in a related master’s degree.

All applicants are required to submit GRE (Graduate Records Exam) or GMAT (Graduate Management Admission Test) results. Admission normally requires a minimum GMAT score of 600 or GRE scores in the 60th percentile or higher in each of verbal reasoning, quantitative reasoning and analytical writing. In exceptional circumstances when GRE/GMAT scores cannot be provided, applicants are advised to contact the Graduate Program Coordinator to inquire about potential alternative criteria.

An applicant seeking admission outside of one of the three fields must clearly explain in their statement of intent why their intended area of study and research does not fit within any of the three program fields and must indicate the faculty member(s) with whom they intend to study. Admission outside of one of the three fields requires that at least two eligible members of graduate faculty from the same academic unit are willing to support the student's studies and research.

Program Requirements

The PhD in Management requires the completion of 4.50 credits, comprising:

1. A set of four common core courses [2.00 credits];
2. A set of field-specific courses [1.50 credits]; and
3. Electives [1.00 credit]
4. Other requirements as listed below.

Common Core

Four common core courses provide general theoretical and research competencies to succeed as a management scholar:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MGMT*6800</td>
<td>Philosophical Foundations of Management Research</td>
<td>0.50</td>
</tr>
<tr>
<td>MGMT*6810</td>
<td>Management Research Methods &amp; Design</td>
<td>0.50</td>
</tr>
<tr>
<td>MGMT*6840</td>
<td>Quantitative Research Methods: Multivariate Techniques</td>
<td>0.50</td>
</tr>
<tr>
<td>MGMT*6850</td>
<td>Qualitative Research Methods</td>
<td>0.50</td>
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</tbody>
</table>

Note: Students without sufficient background in statistics/quantitative methods will be required to take additional graduate-level statistics courses (or equivalent training prior to registering in MGMT*6840).

Field-Specific Courses

Field-specific courses provide content knowledge in the chosen field. Students are encouraged to take additional courses in other fields to supplement their program of study. Students should select all courses in consultation with the Graduate Program Coordinator and their supervisor. Students admitted outside of a field will follow a plan of study recommended by their Advisory Committee, reviewed by the PhD in Management Program Committee and approved by the Graduate Program Coordinator.

The elective courses can be one from the other field required courses list or another course from the list below. Other electives from other University of Guelph academic units can be considered if agreed to by the Graduate Program Coordinator.

Marketing and Consumer Behaviour

Required field courses:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MCS*6000</td>
<td>Consumption Behaviour Theory I</td>
<td>0.50</td>
</tr>
<tr>
<td>MCS*6100</td>
<td>Marketing Strategy</td>
<td>0.50</td>
</tr>
<tr>
<td>MCS*6850</td>
<td>Models for Marketing Decisions</td>
<td>0.50</td>
</tr>
</tbody>
</table>

At least 2 additional courses will be selected as recommended by the student's advisory committee.

Organizational Leadership

Required field courses:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BUS*6840</td>
<td>Foundational Theories of Management</td>
<td>0.50</td>
</tr>
<tr>
<td>MGMT*6150</td>
<td>Micro-Organizational Behaviour</td>
<td>0.50</td>
</tr>
<tr>
<td>MGMT*6160</td>
<td>MacRo-Organizational Behaviour</td>
<td>0.50</td>
</tr>
</tbody>
</table>

At least 2 additional courses will be selected as recommended by the student's advisory committee.

Services Management

Required field courses:
At least 2 additional courses will be selected as recommended by the student's advisory committee.

**Other Requirements**

- Complete a non-credit mentored research course, MGMT*6900 PhD Research Seminar Project, in the third semester.
- Participate in a non-credit seminar series course, MGMT*6950 Doctoral Research Seminar, when offered, throughout semesters 1 through 12.
- Pass a qualifying examination. The qualifying examination will normally be scheduled during the fourth or fifth semester of full-time study (or equivalent) and must be completed no later than the end of the fifth full-time semester (or equivalent).
- Prepare, present and orally defend a research proposal upon passing the qualifying exam.
- Complete and defend a full doctoral dissertation.

**Additional Courses**
The individual student's program of study may also include "Additional Courses," selected on the recommendation of the student's Advisory Committee. The program of study will comprise no more than 12 courses in total, including required and additional courses. Students are encouraged to complete at least one field course from a PhD Management field other than their own.

**Collaborative Specializations**

**International Development Studies**
The Department of Management participates in the International Development Studies (IDS) MSc collaborative specialization. Please consult the International Development Studies listing (calendar.uoguelph.ca/graduate-calendar/collaborative-specializations/international-development-studies/) for a detailed description of the collaborative specialization including the special additional requirements for each of the participating departments.

**Courses**

**MGMT*6000 Management Seminar Series Fall and Winter [0.00]**
This course provides students with exposure to current and emerging research topics in the field of management. Academic speakers (faculty and students) present their work in weekly meetings. Students are encouraged to be engaged and participate actively during the presentations.

**Restriction(s):** Students in masters management programs

**Department(s):** Department of Management

**Location(s):** Guelph

**MGMT*6100 Evidence Based Management Research Unspecified [0.50]**
This course provides a conceptual overview of management research and its functions for academic and practitioner audiences. Students will explore the purpose of research, its relationship to theory, the benefits of various epistemological approaches and the notion of research impact. Topics include research problem definition and objectives, hypothesis development, research design, ethics approval, measurement, sampling methods, analysis, interpretation of results, and report writing.

**Restriction(s):** Students in masters management programs

**Department(s):** Department of Management

**Location(s):** Guelph

**MGMT*6120 Quantitative Methods for Evidence Based Management Unspecified [0.50]**
This course provides a practical overview of statistical methods for evidence-based management applications. Students will work with quantitative data to conduct a variety of statistical analyses, including descriptive statistics, visualization of data, null hypothesis significance testing, univariate and multivariate analysis of variance and covariance, correlation, linear and logistic regression and exploratory factor analysis. The course puts an emphasis on the interpretation of results in terms of their practical managerial implications.

**Prerequisite(s):** MGMT*6100

**Restriction(s):** Students in masters management programs

**Department(s):** Department of Management

**Location(s):** Guelph

**MGMT*6130 The Creative Process of Innovation Unspecified [0.50]**
This course is focused on the creative process of innovation required to effectively engage in problem-solving and opportunity creation toward organizational and societal flourishing. Students will develop both a theoretical understanding and the practical skills to engage in creative experimentation for novel idea generation.

**Department(s):** Department of Management

**Location(s):** Guelph

**MGMT*6140 Well-Being in the Workplace Unspecified [0.50]**
This course examines well-being in the workplace. It draws on research on positive organizations and may explore issues at the individual level (i.e., work engagement), group level (i.e., high-quality connections), and organizational level (i.e., culture). Students learn about how to promote their own well-being at work, in addition to how to build and lead organizations that foster the well-being of others.

**Location(s):** Guelph

**MGMT*6150 Micro-Organizational Behaviour Unspecified [0.50]**
This course provides an introduction to major topics in the field of organizational behaviour. Students examine theories, methods, concepts and approaches from historical and current perspectives, with a focus on micro-organizational behaviour (Micro OB). The course provides broad exposure to the field, an understanding of its central concepts and controversies and an appreciation for different approaches.

**Location(s):** Guelph

**MGMT*6160 MacRo-Organizational Behaviour Unspecified [0.50]**
This course provides an overview of macro-level organizational theories and research with a focus on sociological analyses. Students examine theories, methods, concepts and approaches from historical and current perspectives, with a focus on macro-organizational behaviour (Macro OB). The course provides broad exposure to the field, an understanding of its central concepts and controversies and an appreciation for different approaches.

**Location(s):** Guelph
MGMT*6200 Leadership Assessment and Development Unspecified [0.50]
This course provides a conceptual overview of the leadership competencies that lead to leadership performance. Students will explore and learn a method for assessing their own leadership competencies. They will learn a process for developing themselves, the knowledge and skills relevant for effective leadership. Topics include managerial competencies models, assessment models, learning styles, intentional change process, and personal development plan. This course emphasizes those techniques most frequently used in personal development and coaching individuals and teams.
Offering(s): Offered through Distance Education and on-campus.
Restriction(s): Restricted to students in masters management and Master of Conservation Leadership programs.
Department(s): Department of Management
Location(s): Guelph

MGMT*6300 Business Consulting Unspecified [0.50]
This course provides students with an understanding of the concepts, principles, and practices for management consulting. Students will be exposed to the various components of the consulting process, consulting approaches and styles, client-consultant relationships, issue and problem diagnosis, reporting of results, and professional codes of conduct and ethics. The emphasis is on techniques most frequently used in the context of both internal and external organizational roles and as a career choice.
Restriction(s): Students in masters Management programs.
Department(s): Department of Management
Location(s): Guelph

MGMT*6400 Project Management Unspecified [0.50]
This course provides students with an understanding of the concepts, principles, and practices for project management. It introduces an understanding and appreciation of the importance of managing projects, project teams, the project management systems and tools, the various components of the project management process, and professional codes of conduct and ethics. The emphasis is on the techniques most frequently used in the context of both internal and external organizational roles of a project manager.
Restriction(s): Students in masters Management programs.
Department(s): Department of Management
Location(s): Guelph

MGMT*6500 Major Research Project Unspecified [1.00]
This course is available to individuals or groups of graduate students. Students will complete a set of readings and an associated paper as approved by designated faculty. Specific learning objectives consistent with the University's will be developed each time the course is offered.
Prerequisite(s): MGMT*6100 and MGMT*6200
Restriction(s): Students in the MA.MGMT/L/MSC.MGMT/L programs.
Department(s): Department of Management
Location(s): Guelph

MGMT*6800 Philosophical Foundations of Management Research Unspecified [0.50]
This course introduces students to the underlying philosophical assumptions that support empirical research methods within social science disciplines. The aim of this course is to examine the philosophy of knowledge generation and claims, particularly in the context of management phenomena.
Prerequisite(s): #Take MGMT*6810; Minimum grade 065;
Department(s): Department of Marketing and Consumer Studies
Location(s): Guelph

MGMT*6810 Management Research Methods & Design Unspecified [0.50]
This course provides students with an understanding of different research approaches and methodologies relevant to management disciplines. Topics include specifying a significant research topic, identifying a theoretical perspective to inform the methodology, choosing an appropriate research strategy and design, specifying data needs, research ethics, participant sampling and the application of particular research methods of data gathering and analysis.
Location(s): Guelph

MGMT*6830 Applied Univariate Statistical Analysis for Management Fall Only [0.50]
This course focuses on the use of univariate statistics as applied to social and behavioural research within the fields of organizational, management, and consumer studies. Emphasis will be placed on providing a solid understanding of descriptive statistics, mean difference testing, analysis of variance and covariance, linear and logistic regression, and power and effect size. Laboratory sessions will focus on analysis application using statistical packages such as SPSS, R, SAS, Stata, and Mplus.
Department(s): Department of Marketing and Consumer Studies
Location(s): Guelph

MGMT*6840 Quantitative Research Methods: Multivariate Techniques Winter Only [0.50]
This course provides a review of selected multivariate analysis techniques with applications to management. Students will learn to determine which multivariate technique is appropriate for a specific research problem and how to apply multivariate quantitative techniques to research questions. Topics include regression analysis, anova, principal components, factor and discriminant analysis, nonmetric scaling and trade-off analysis. The course uses a hands-on approach and requires computer-program analysis.
Restriction(s): Restricted to Marketing and Consumer Studies and Management students.
Department(s): Department of Marketing and Consumer Studies
Location(s): Guelph

MGMT*6850 Qualitative Research Methods Winter Only [0.50]
This doctoral seminar provides students with the historical roots, underlying theoretical frameworks, and methods of qualitative research for consumer and management studies. Students will develop their capacity to conduct qualitative research through the development of an original qualitative research project.
Department(s): Department of Marketing and Consumer Studies
Location(s): Guelph

MGMT*6900 PhD Research Seminar Project Summer Only [0.00]
The summer seminar project has the objective to start familiarizing students with the research process. Students will prepare and submit a research piece drawing on techniques acquired in the research methods courses. [Restricted to PhD.MGMT students.]
Prerequisite(s): MGMT*6830 MGMT*6840 and MGMT*6850
Department(s): Department of Management
Location(s): Guelph
MGMT*6950  Doctoral Research Seminar  Fall and Winter  [0.00]
This is a seminar course attended by graduate students and faculty. Academic guest speakers present their work in weekly meetings. Students are encouraged to be engaged and participate actively during the presentations.

Restriction(s): Restricted to PhD Management students.
Department(s): Department of Marketing and Consumer Studies
Location(s): Guelph

Field Courses

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<tr>
<th>Code</th>
<th>Title</th>
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<tr>
<td>BUS*6830</td>
<td>Foundational Theories of Leadership</td>
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<td>BUS*6840</td>
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<td>MCS*6800</td>
<td>Best Worst Scaling and Discrete Choice Analysis</td>
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<td>MCS*6810</td>
<td>Experimental Design and Analysis for Behavioural Research in Management Studies</td>
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