MBA ELECTIVES – Fall and Winter 2018-2019

N.B. Course offering and schedules subject to change

FALL 2018 (Block 1: Sept. 10 – Oct. 21) (Block 2: Oct. 29 – Dec. 9)

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<th>Units</th>
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<th>BLOCK 1 &amp; 2 Schedule</th>
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<td>International E-Business Strategies</td>
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<td>MBA6156C00</td>
<td>1.5</td>
<td>Performance Management Business Process Modelling</td>
<td>Regular (Block 1)</td>
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<td>MBA6210C00</td>
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<td>MBA6262A00</td>
<td>1.5</td>
<td>Entrepreneurship</td>
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Exam period: October 22 – 28 (Block 1) and December 10 – 21 (Block 2)

WINTER 2019 (Block 3: Jan. 7 – Feb. 16) (Block 4: Feb. 25 – Apr. 7)

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<td>ADM6275C00</td>
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<td>Business Intelligence Technologies and Big Data Analytics</td>
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<td>ADM6277C00</td>
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<td>E-Business Energy Management</td>
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<td>ADM6420C00</td>
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<td>Electronic Marketing</td>
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<td>MBA6295D00</td>
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<td>Seminar: Today’s Global Business Environment and Strategic Markets</td>
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<td>MBA6298A00</td>
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<td>MBA6298B00</td>
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<td>MBA6361C00</td>
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Exam period: February 19-24 (Block 3) and April 8 – 14 (Block 4)

FALL 2018

ADM 6274C00 INTERNATIONAL E-BUSINESS STRATEGIES (1.5 unit)
International trends in the global economy together with assessment of risks, and associated international e-business opportunities. Strategies for translating international opportunities into e-businesses, including localizing international web-based content, developing international supply networks, international crowdsourcing, international payments and international collaboration. How to address local laws on privacy, intellectual property and business contracts. **Prerequisite:** MBA 5270 (for EMP, MBA and MHA students).
MBA 6156C00 PERFORMANCE MANAGEMENT: BUSINESS PROCESS MODELLING (1.5 unit)
Develop core skills in the application of Lean Six Sigma, especially within the context of service organizations. Core concepts will include process analysis, value stream mapping, prioritization matrix, DMAIC. Upon the completion of this course, the student will have met all requirements leading to the Yellow Belt certification of Lean Sigma Six (LSS).

MBA 6210C00 BUSINESS GOVERNMENT RELATIONS (1.5 unit)

MBA 6262C00 ENTREPRENEURSHIP (1.5 unit)
Creating, growing, and sustaining or exiting a new firm in a technology-intensive industry. Issues important to the technology (the scope and nature of technological knowledge and intellectual property protection), financing (seed capital, venture capital, and initial public offerings), and inter-firm relationships (spin-offs, alliances and equity alliances, and acquisitions). The course is practically oriented and will draw upon local expertise to enhance its pertinence and appeal.

MBA 6296D00 Seminar: Data Supply Chain (1.5 unit)
This course reviews common data sources and the processes involved in extracting and preparing data for analysis. It will cover Cognos Analytics with Datawatch, Qlik with Datamarket and will also address social media sources of data. The course will blend theory and practice so that students build practical experience preparing data sets for analysis working with all of the afore-mentioned tools.

MHA 6XXX (1.5 & 3 units) (see Telfer Timetables)
Can be taken as electives (MBA students and upon approval for out of program students) providing the prerequisites have been met.

MGT 5XXX, MGT 6XXX, MHS 5XXX, MHS 6XXX (3 units) (see MSc Timetables)
MGT (M.Sc. in Management) and MHS (M.Sc. in Health Systems) seminars may count as electives providing the prerequisites have been met and upon approval from the program (MBA students and for out of program students). However, it should be noted that the readings are extensive and participation in each of the class is mandatory.

WINTER 2019

ADM 6260 PROJECT MANAGEMENT 1 (1.5 unit)
Project management methods based on standards, including the Guide to the Project Management Body of Knowledge, (PMBOK® Guide) of the Project Management Institute (PMI®); project charter and project plan; managing a project throughout its life cycle (identification, design, planning, realization and close-out). Students will have hands-on experience using MS Project.

PMBOK and PMI are registered marks of the Project Management Institute, Inc.

ADM 6261 PROJECT MANAGEMENT 2 (1.5 unit)
Focus on projects that have incomplete and/or unstable requirements such as IT projects or software development projects. Topics covered include: portfolio management; risk management; determining requirements and solutions; quality management; communication management; design methods (Quality Function Deployment, Value Analysis); iterative and adaptive project management; fast tracking and concurrent methods of project management.
ADM 6275C00 BUSINESS INTELLIGENCE TECHNOLOGIES AND BIG DATA ANALYTICS (1.5 unit)
Business Intelligence (BI) as a concept; review of major BI tools and methods; identification of the right types of BI for different types of decision making environments; Introduction to Big Data; Business applications of Big Data; review of the supporting technologies such as data bases and data warehouses and Big Data Platforms for integrating structured and unstructured data including Hadoop, sandbox analytics; streaming analytics, and advances in data warehousing appliances that accelerate analytics. **Prerequisite: MBA 5270 (for EMP, MBA and MHA students). Courses ADM 6275, ADM 6287 cannot be combined for units.**

ADM 6277C00 E-BUSINESS ENERGY MANAGEMENT (1.5 unit)
Reduction of e-business power requirements by locating data centres in areas with low cost electricity and where cold outside air can be used for cooling, e.g. British Columbia, Québec, Finland, Iceland and Sweden. Reduction of power requirements in other industries, e.g. using smart grid, smart buildings and smart cities. Calculation of energy requirements for specific e-business services, e.g. e-banking, e-newspapers, media download, media streaming and web-based advertising. Review of current international standardization work on sustainability for and by IT.

ADM 6420C00 ELECTRONIC MARKETING (1.5 unit)

MBA 6295D00 SEMINAR: TODAY’S GLOBAL BUSINESS ENVIRONMENT AND STRATEGIC MARKETS (1.5 unit)
This course offers an introduction to the global business environment with a focus on strategic markets including India, China, Mexico and Brazil. Students will explore the trend towards increased globalization of the world's economies and the significance of strategic and emerging markets to the global trading system. The course will also introduce students to a number of strategic decisions firms must make in order to compete effectively in the current global business environment. Factors to be considered in areas such as foreign market entry and the management of global operations will be explored. Students will have the opportunity to develop an understanding of the business environments in India, China, Mexico and Brazil and how business is conducted in these strategic markets. An assessment of the accelerators (positive factors) and decelerators (obstacles) in the business environments is undertaken which helps to illuminate specific challenges for Canadian firms as they tackle these markets. The major economic, political, legal and cultural factors that shape the approach to business in these markets will also be examined.

MBA 6298A00 SEMINAR: VENTURE CAPITAL & PRIVATE EQUITY (1.5 unit)
This course is designed to help students understand the structure of the private equity market in general and of venture capital in particular. The course reviews the types of businesses that are attractive to investors of risk capital. The components of the private equity market (investments from friends and family, business angels, “classic” venture capital, buyouts, and mezzanine financing) are examined. It investigate how early-stage risk capital is assembled and invested, how venture capital firms operate, how they evaluate investments, how they manage their portfolios, and the non-financial forms of value added that venture capital funds provide. **Co-requisite: MBA 5350 Corporate Finance.**

MBA 6298B00 SEMINAR: INTERNATIONAL PROJECT FINANCE (1.5 unit)
Comprehensive overview of the risks associated with financing greenfield/brownfield projects. Allocation of risk between the main project participants: construction, operation, market, financial and legal/documentation risk. Extensive use of case studies and exercises from the following sectors: (i) Public Private Partnerships (PPP) (hospital), (ii) Infrastructure (transport), (iii) Power, including renewable energy, (iv) Natural resources (oil and gas, and mining).

MBA 6351A00 FINANCING NEW VENTURES (1.5 unit)
Overview of the scope of early stage of financing (suppliers, angels, crowdfunding, banks, owners' resources, etc.) using lectures, case studies, guest lectures and panels. The second portion of the course involves student teams tackling live cases examples.
MBA 6361C00 SELECTED TOPICS IN MANAGEMENT: DATA SCIENCE FOR MANAGERS (1.5 unit)
The R programming language has become the single most important tool for computational statistics,
visualization, and data science. Analytics with R is designed to provide students with all the tools and features
they need throughout the entire data science pipeline, from the basics to more advanced techniques. This
course will cover the topics of version control systems, basics of R programming, data cleaning and data
management, exploratory data analysis and visualization.

MHA 6XXX (1.5 & 3 units) (see Telfer Timetables)
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