



THE UNIVERSITY OF  
WINNIPEG

Faculty of  
Graduate Studies

### Western Dean's Agreement: University of Winnipeg Course Catalogue

The University of Winnipeg courses listed below are available to students wishing to register through the Western Dean's Agreement for Fall term 2020. The normal terms and regulations for using the WDA mechanism obtain. Please see the [WDA Authorization and Course Registration Form](#) for details. Further questions can be directed to Dagmawit Habtemariam at [d.habtemariam@uwinnipeg.ca](mailto:d.habtemariam@uwinnipeg.ca).

#### Master in Science: APPLIED COMPUTER SCIENCE AND SOCIETY (ACS)

<b>ACS</b>		<b>GACS 7101-002 Advance Data Structures and Algorithm</b>				
In this course, students will study methods for designing efficient data structures and algorithms such as binary search trees, red-black trees, priority queues, minimum spanning trees, strongly connected components, maximum flows, string matching and tree matching, bipartite graphs, as well as the algorithm analysis and proof. Through the study of these data structures and algorithms, students will develop skills to solve hard problems in specialized databases such as Graph databases, DNA and Deductive databases.						
Credits	Online Format	Term	Meeting Dates	Times	Instructor	Email
3	Asynchronous	G2020F	08-Sept-20 to 03-Dec-20	T/Th 1-2:15pm	Mary Adedayo	m.adedayo@uwinnipeg.ca
<b>ACS</b>		<b>GACS 7306-001 Applied Parallel Programming</b>				
The basis of this course is the parallel execution model, which is a generalization of the traditional single threaded paradigm. The focus is parallel and distributed computing for use in high-performance scientific applications. Students gain considerable knowledge in multi-core processors, concurrency, parallel execution, latency, communication and coordination among processes, message passing, shared-memory models, optimization techniques, parallel algorithms, decomposition strategies, system architecture, and performance analysis and tuning. Using the language C/C++, students gain hands-on experience writing scalable parallel applications for Graphics Processing Units.						
Credits	Online Format	Term	Meeting Dates	Times	Instructor	Email
3	Synchronous	G2020F	08-Sept-20 to 03-Dec-20	T/Th 2:30-3:45pm	Christopher Henry	ch.henry@uwinnipeg.ca
<b>ACS</b>		<b>GACS 7401-001 Complex Adaptive Systems</b>				
This course introduces students to selected topics in the field of Complex Adaptive Systems (CAS) and its application to health and social systems. CAS are systems with many components, which are interacting, adapting, and learning among themselves and the environment where they exist in a variety of ways. Because of these activities, novel properties for the system can emerge. Examples of CAS are everywhere and diverse, for instance our brain systems, immune systems, insect colonies, ecosystems, communities, geopolitical organizations, social systems, internet networks, etc. We will go over fundamental topics of complexity, cellular automata, dynamical systems, network models, genetic algorithms, immune systems, and artificial life. Then we will apply these ideas to health and social systems. We will utilize computational tools (Python & NetLogo models) to measure, simulate and analyze complexity in a variety of CAS. Theory and simulations will provide CAS understanding and a methodology to better manage CAS and their interrelationships. The student will learn techniques to model and simulate systems with the use of complexity science principles in several scientific areas.						

Credits	Online Format	Term	Meeting Dates	Times	Instructor	Email
3	Synchronous	G2020F	08-Sept-20 to 03-Dec-20	T/Th 10-11:15am	Sergio Camorlinga	s.camorlinga@uwinnipeg.ca

### Master in Arts: MASTER IN MANAGEMENT (MiM)

<b>Master in Management</b>		<b>GBUS 7110 Intro to Technology, Innovation and Operations Management</b>				
<p>This course shall address fundamental topics related to the management of Technology, Innovation and Operations. Basic concepts are introduced and discussed with students by employing several teaching techniques such as readings, business cases, student presentations and group activities. It is designed to be a seminar-based course with an overview and starting point for students pursuing their MiM-TIO degree. It is also intended to prepare students for the Graduate Project (BUS7320 - Module 3). Students gain an understanding of the entire spectrum of the MiM-TIO Program by acquiring the management and planning skills to complete a complex and comprehensive Graduate Project at the end of their Program.</p>						
Credits	Online Format	Term	Meeting Dates	Times	Instructor	Email
3	Synchronous	G2020S	17-Aug-20 to 28-Aug-20	Week 1: 1:30 – 5 pm Week 2: 8:30 am – 12 pm	Kamel Fantazy	k.fantazy@uwinnipeg.ca
<b>Master in Management</b>		<b>GBUS 7120 Leadership and Organizational Behaviour in Innovative Organizations</b>				
<p>This course examines the “people side of fostering innovation”. Key topics include the following: the influence of organizational structure on a firm’s ability to innovate, fostering an organizational culture that supports innovation using evidence-based practices, the role of leadership in innovation, and examining human resource strategies to foster innovation. The latter includes topics such as assessing prospective employees’ ability to innovate during the recruitment and selection process, incentive design (including both material and behavioral incentives), trust and teambuilding, when innovation goes wrong (environmental conditions conducive to ethical problems among innovators and how to avoid them), and change management.</p>						
Credits	Online Format	Term	Meeting Dates	Times	Instructor	Email
3	Synchronous	G2020S	17-Aug-20 to 28-Aug-20	Week 1: 1:30 – 5pm Week 2: 8:30am – 12pm	Sylvie Albert	s.albert@uwinnipeg.ca
<b>Master in Management</b>		<b>GBUS 7210 Business Strategy</b>				
<p>This course is designed to help students to learn how to formulate business strategy and to put essential business-management principles to work through business cases. Students examine topical case studies that cover a wide range of Canadian and International business situations and issues. Students work from a general management perspective to gain strategic-planning expertise, and then explore and integrate functional business activities, such as production, finance, HR and marketing.</p>						
Credits	Online Format	Term	Meeting Dates	Times	Instructor	Email
3	Asynchronous	G2020F	TBD	N/A	Sylvie Albert	s.albert@uwinnipeg.ca
<b>Master in Management</b>		<b>GBUS 7220-761 Project Management</b>				
<p>This course extends beyond the planning phase to address topics related to the management and control of projects. Students gain hands-on experience in the entire spectrum of project management skills by planning and completing a service project. Course topics will include project leadership, the role of information systems, project evaluation techniques, managing the customer interface, risk analysis, supplier relationships, cost-schedule control systems, management of project crises, project management software, contract administration, conducting review meetings, and post-project evaluation.</p>						

Credits	Online Format	Term	Meeting Dates	Times	Instructor	Email
3	Asynchronous	G2020W	06-Jan-21 to 03-May-21	N/A	Katherine Breward	k.breward@uwinnipeg.ca
<b>Master in Management</b>		<b>GBUS 7230 Strategies in Operations and Supply Chain Management</b>				
<p>This course develops a conceptual framework that is useful in describing the nature of the operations function, with emphasis on identifying problems in managing production and service operations. It is designed to provide students with an appreciation for the role of business processes as determinants of the operation function, supply chain strategy and competitive advantage of an organization. Through readings, case discussions via mechanisms like group and case discussion boards, class exercises, and application assignments, students develop an understanding of the concepts and tools that are fundamental to the operations function and supply chain strategies.</p>						
Credits	Online Format	Term	Meeting Dates	Times	Instructor	Email
3	TBD	TBD	TBD	TBD	Maryam Zadeh	m.zadeh@uwinnipeg.ca
<b>Master in Management</b>		<b>GBUS 7240-760 Information Systems and Knowledge Management</b>				
<p>The objective of this course is to develop the students' analytical abilities to deal with issues relating to information systems and knowledge management within fast-paced organizations. Students study the development, control, and management of both information systems and knowledge management. With respect to the former, the emphasis is on IT governance, the strategic power and capabilities of information systems, the role and importance of business process re-engineering within the realm of information systems development, security concerns, business continuity management, and enterprise resource planning (ERP) systems. In terms of knowledge management, the course provides students with the skills necessary to strategically manage individual, group, and organizational assets.</p>						
Credits	Online Format	Term	Meeting Dates	Times	Instructor	Email
3	Synchronous	G2020F	08-Sept-20 to 07-Dec-20	N/A	Michael Breward	m.breward@uwinnipeg.ca
<b>Master in Management</b>		<b>GBUS 7250-760 Strategic Management Accounting</b>				
<p>The course aims to develop the students' analytical abilities to deal with problems relating to financial situations within the firm. The course deals with the role of accounting in an organization's planning and control system with an emphasis on responsibility accounting, performance evaluation, and risk management. Topics covered include management control and decentralization, activity-based costing and management, strategy mapping and the balanced scorecard, value chain analysis, and strategic cost management and strategic profitability analysis.</p>						
Credits	Online Format	Term	Meeting Dates	Times	Instructor	Email
3	Asynchronous	G2020F	08-Sept-20 to 07-Dec-20	N/A	Michael Breward	m.breward@uwinnipeg.ca
<b>Master in Management</b>		<b>GBUS 7260-761 Innovation Management</b>				
<p>The objective of this course is to provide students with an understanding of the key concepts of technology and innovation, their relationship with the organizational environment, and their overall impact on management and organizations. It is based on a selection of innovation management readings and business cases that helps to prepare students for decisions they are likely to face within the job market or in starting a new venture. It is a project-based course, and students are encouraged to observe, analyze, and experience innovation management issues and apply innovation management frameworks and analytical tools in their communities.</p>						
Credits	Online Format	Term	Meeting Dates	Times	Instructor	Email

3	Synchronous	G2020W	06-Jan-21 to 03-May-21	TBD	Kamel Fantasy	k.fantasy@uwinnipeg.ca
<b>Master in Management</b>		<b>GBUS 7110 Intro to Technology, Innovation and Operations Management</b>				
<p>This course shall address fundamental topics related to the management of Technology, Innovation and Operations. Basic concepts are introduced and discussed with students by employing several teaching techniques such as readings, business cases, student presentations and group activities. It is designed to be a seminar-based course with an overview and starting point for students pursuing their MiM-TIO degree. It is also intended to prepare students for the Graduate Project (BUS7320 - Module 3). Students gain an understanding of the entire spectrum of the MiM-TIO Program by acquiring the management and planning skills to complete a complex and comprehensive Graduate Project at the end of their Program.</p>						
Credits	Online Format	Term	Meeting Dates	Times	Instructor	Email
3	Synchronous	G2020S	17-Aug-20 to 28-Aug-20	Week 1: 1:30 – 5 pm Week 2: 8:30 am – 12 pm	Kamel Fantasy	k.fantasy@uwinnipeg.ca

### Master in Arts: CULTURAL STUDIES (CS)

<b>Cultural Studies</b>		<b>GENG 7104 Concepts in Cultural Studies</b>				
<p>This course is a historical and theoretical survey of some of the foundational texts and concepts in cultural studies, from the field's emergence alongside the New Left in post-war Britain to #WetsuwetenStrong, #BlackLivesMatter, and COVID-19. It includes core readings in theory and criticism, each complemented by class discussions about various cultural practices that have the potential to illuminate the political and radically contextual project of cultural studies as an academic field. The course pays particular attention to the work produced at — and around — the Birmingham Centre for Contemporary Cultural Studies, during the early decades of the field from the 1960s to the 1990s. Theories and concepts under study may include popular culture, the cultural industries, the politics of taste, and the politics of representation; hegemony, agency, and resistance; racial capitalism, extractive capitalism, and neo-liberalism; race, articulation, and societies structured in dominance; gender, sexuality, and intersectionality; diaspora, Indigeneity, and sovereignty; digital culture, new media, and new social movements.</p>						
Credits	Online Format	Term	Meeting Dates	Times	Instructor	Email
3	Synchronous	G2020F	09-Sept-20 to 02-Dec-20	Wednesday 2:30-3:15pm	Dr. Bruno Cornellier	b.cornellier@uwinnipeg.ca

### Master in Arts: CRIMINAL JUSTICE (CJ)

<b>Criminal Justice</b>		<b>GCJ 7400-001 Penology</b>				
<p>This course offers students a critical, multidisciplinary, and global approach to the study of punishment. More specifically, this course pivots around three central empirical realms: 1) the meaning and role of punishment; 2) historical shifts and current trends in how various societies punish; and 3) the nature of social control, punishment, and supervision inside and outside carceral institutions. We will discuss the ways in which punishment, both inside and outside the prison, are targeted at and experienced by particular populations and the effects punishment has on their lives. Complementing a focus on punishment in North America are opportunities to examine punishment in other countries/regions. The course will be run as a seminar and will consist of both synchronous components (e.g., live discussions and presentations) and asynchronous learning activities (e.g., discussion boards, mind maps, podcasts).</p>						
Credits	Online Format	Term	Meeting Dates	Times	Instructor	Email
3	Both synchronous and asynchronous	G2020F	11-Sept-20 to 04-Dec-20	Friday, 9:30am-12:20pm	Katharina Maier	k.maier@uwinnipeg.ca

<b>Criminal Justice</b>		<b>GCJ 7101-050 Conceptualizing Criminal</b>				
<p>This course provides an overview of the history and theoretical infrastructure of the academic study of criminal justice. Overviews the theoretical and philosophical development of the discipline and explores the history of academic studies of crime and justice in North America. Emphasizes the major theoretical perspectives of criminal justice studies and their application to graduate level study of criminal law and the court process; policing and security; and punishment and corrections.</p>						
<b>Credits</b>	<b>Online Format</b>	<b>Term</b>	<b>Meeting Dates</b>	<b>Times</b>	<b>Instructor</b>	<b>Email</b>
3	Synchronous	G2020F	10-Sept-20 to 03-Dec-20	Thursday 6-9pm	Dr. Stephen Kohm	s.kohm@uwinnipeg.ca
<b>Criminal Justice</b>		<b>GCJ 7500-001 Colonialism and Criminal Justice in Canada</b>				
<p>This seminar explores the relationship between settler colonialism and the Criminal Justice system in Canada. The criminal justice system is considered as one among many interlocking systems that shape the life chances of Indigenous peoples in the present, and continues to be shaped by Indigenous peoples' resistance to attempted domination. Topics may include: Indigenous legal systems; deaths in custody; policing; murdered and missing Indigenous women and girls; social work; resistance and resurgence movements; and restorative justice. Emphasis is placed on reading Indigenous scholars from across Turtle Island and cultivating tools to critically engage with hegemonic narratives about Indigenous criminalization. This course will be run as a seminar and will consist of both synchronous components (e.g., live discussions and presentations) and asynchronous learning activities (e.g., discussion boards).</p>						
<b>Credits</b>	<b>Online Format</b>	<b>Term</b>	<b>Meeting Dates</b>	<b>Times</b>	<b>Instructor</b>	<b>Email</b>
3	Both synchronous and asynchronous	G2020F	11-Sept-20 to 04-Dec-20	Wednesday 9:30 am-12:20pm	Bronwyn Dobchuk-Land	b.dobchuk-land@uwinnipeg.ca
<b>Criminal Justice</b>		<b>GCJ 7116 – 001, GCJ-7116-070 (lab) Program and Policy Evaluation</b>				
<p>This course examines methodologies for the formal assessment of social programs using quantitative and qualitative methods of inquiry including survey, interview, observation and case study techniques. The political and social processes framing evaluation research are also discussed. Twelve weeks of lecture/seminar are supplemented with 6 Labs focussed on SPSS analysis.</p>						
<b>Credits</b>	<b>Online Format</b>	<b>Term</b>	<b>Meeting Dates</b>	<b>Times</b>	<b>Instructor</b>	<b>Email</b>
3	Synchronous	G2020F	08-Sept-20 to 03-Dec-20	Monday 4-7pm Lab Wednesday 4-530pm	Dr. Michael Weinrath	m.weinrath@uwinnipeg.ca
<b>Criminal Justice</b>		<b>GCJ 7140-001-050 Criminal Justice Policy</b>				
<p>The course will engage students in critical and controversial policy debates such as distributive and procedural justice, use of evidence based practice, police oversight, technology and surveillance in the criminal justice system, regulation of the sex trade, regulation of illicit drugs, problem solving courts, rehabilitation models, use of custody and sex offender notification.</p>						
<b>Credits</b>	<b>Online Format</b>	<b>Term</b>	<b>Meeting Dates</b>	<b>Times</b>	<b>Instructor</b>	<b>Email</b>
3	Synchronous	G2020F	08-Sept-20 to 03-Dec-20	Tuesday 6-9pm	Dr. Michael Weinrath	m.weinrath@uwinnipeg.ca