

**EXAM CONFLICTS DUE TO OBSERVANCE OF RELIGIOUS HOLY DAYS.**

Students who are unable to write a final examination(s) during the regularly scheduled time slot because of a conflict with religious conviction must apply for the alternative examination(s) in the course(s) involved by the end of the normal add/drop period for the particular session. The Registrar's Office will schedule the alternative examination(s) for those students in another slot(s) within the regular examination period. Please download the appropriate form from <http://www.uwindsor.ca/registrar> and submit to the Office of the Registrar.

**WRITING THREE OR MORE EXAMS ON THE SAME DAY**

A student scheduled to write three invigilated final examinations in one calendar day, or three or more final examinations in consecutive time slots over a 24-hour period, may apply to have one examination rescheduled on an alternate examination day. The determination of which examination shall be rescheduled and the date of the alternate examination (may be the last possible day of the examination period) shall be made by the Registrar. Please download the appropriate form from <http://www.uwindsor.ca/registrar> and submit to the Office of the Registrar.

**Note:** These applications must be submitted by the end of the fourth week of classes (second week of classes for 6 week courses).

**2018 Fall Graduate Course Offerings****September 24, 2018**

11:06:09AM

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Course Section	Credits	Act	Days	Start Time	Stop Time	Bldg/Room	Professor	Exam Time
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**English Language and Literature****0126-500 Scholarship & the Profession**

Section 1	3.00	LEC					Luft, Joanna L	
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**0126-525 Renaissance Drama**

Section 1	3.00	LEC	M	01:00	03:50PM	Chrysler Hall North 2101	Johnston, Mark A	
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**0126-535 Literature of Eighteenth Century**

Section 1	3.00	LEC	W	01:00	03:50PM	Chrysler Hall North 2101	Quinsey, Katherine M	
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**0126-591 Creative Writing Seminar A**

Section 1	3.00	LEC	T	01:00	03:50PM	Chrysler Hall North 2101	Markotic, Nicole	
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Instructor's approval required for this course.

**0126-794 Creative Writing Project**

Section 1	12.00	LEC					Luft, Joanna L	
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**0126-797 Thesis**

Section 1	12.00	LEC					Luft, Joanna L	
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**Visual Arts****0127-561 Studio Practice 1**

Section 1	3.00	LEC					Faculty	
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**0127-562 Studio Practice 2**

Section 1	3.00	LEC					Faculty	
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**0127-563 Studio Practice 3**

Section 1	3.00	LEC					Faculty	
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**0127-564 Studio Practice 4**

Section 1	3.00	LEC					Faculty	
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# 2018 Fall Graduate Course Offerings

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Course Section	Credits	Act	Days	Start Time	Stop Time	Bldg/Room	Professor	Exam Time
<b>Visual Arts</b>								
<b>0127-565</b>	<b>Studio Production I</b>							
Section 1	3.00	LEC	F	11:30	02:20PM	Freedom Way 107	Nelson, Kim	
	was Tuesday's 4 - 6:50 p.m.							
<b>0127-566</b>	<b>Studio Production II</b>							
Section 1	3.00	LEC	M	11:30	02:20PM	Freedom Way 107	Torinus, Sigrun	
<b>0127-596</b>	<b>Graduate Seminar 1</b>							
Section 1	3.00	LEC	W	11:30	02:20PM	Armouries B36	Rodney, Lee	
<b>0127-598</b>	<b>Graduate Seminar 3</b>							
Section 1	3.00	LEC	W	11:30	02:20PM	Armouries B36	Rodney, Lee	
<b>0127-797</b>	<b>Thesis</b>							
Section 1	12.00	LEC					Faculty	
<b>Philosophy</b>								
<b>0134-526</b>	<b>Legal Philosophy</b>							
Section 1	3.00	LEC	TR	04:00	05:20PM	Dillon Hall 367	Conklin, William E	Dec 15 03:30pm
<b>0134-530</b>	<b>Topics in Gender and Sexuality</b>							
Section 1	3.00	LEC	W	04:00	06:50PM	Chrysler Hall North 2170	Hundleby, Catherine	
<b>0134-571</b>	<b>Recent French Philosophy</b>							
Section 1	3.00	LEC	T	11:30	02:20PM	O'Neil Medical Education Centre 3106	Cook, Deborah E	
<b>0134-590</b>	<b>Graduate Seminar</b>							
Section 1	3.00	LEC	M	02:30	05:20PM	Chrysler Hall North 2170	Neculau, Radu	
	To be held in room 2170 - CHN							
<b>0134-796</b>	<b>Major Paper</b>							
Section 1	6.00	LEC					Neculau, Radu	
<b>0134-797</b>	<b>Thesis</b>							
Section 1	12.00	LEC					Neculau, Radu	
<b>Argumentation Studies</b>								
<b>0179-500</b>	<b>History and Theories of Argumentation</b>							
Section 1	6.00	LEC	T	04:00	06:50PM	Dillon Hall 253	Hundleby, Catherine	
			F	09:00	11:50AM	Dillon Hall 253		
<b>0179-798</b>	<b>Dissertation Research</b>							
Section 1	12.00	LEC					Hundleby, Catherine	
<b>Communication, Media and Film</b>								

Course Section	Credits	Act	Days	Start Time	Stop Time	Bldg/Room	Professor	Exam Time
<b>Communication, Media and Film</b>								
<b>0240-501</b>	<b>Critical Theories of Communication</b>							
Section 1	3.00	LEC	M	10:00	12:50PM	Erie Hall 2127	Manzerolle, Vincent	
<b>0240-512</b>	<b>Communication and Social Movements</b>							
Section 1	3.00	LEC	W	10:00	12:50PM	Lambton Tower 3101	Brown, Brian A	
<b>0240-796</b>	<b>Major Paper</b>							
Section 1	9.00	LEC					Faculty	
<b>0240-797</b>	<b>Thesis</b>							
Section 1	12.00	LEC					Faculty	
<b>History</b>								
<b>0243-503</b>	<b>Modes of Historical Interpretation</b>							
Section 1	3.00	LEC	W	04:00	06:50PM	Chrysler Hall North 1186	Huffaker, Shauna	
<b>0243-511</b>	<b>Modernity</b>							
Section 1	3.00	LEC	T	04:00	06:50PM	Chrysler Hall North 1186	Wright, Miriam	
<b>0243-597</b>	<b>Topic : Health, Disease and Power</b>							
Section 1	3.00	LEC	R	04:00	06:50PM	Chrysler Hall North 1186	Palmer, Steven	
<b>0243-796</b>	<b>Major Paper</b>							
Section 1	6.00	LEC					Lazure, Guy	
<b>Political Science</b>								
<b>0245-500</b>	<b>Scope &amp; Approaches to Political Science</b>							
Section 1	3.00	LEC	W	09:30	12:20PM	Chrysler Hall North 1137	Richez, Emmanuelle	
	Instructor's approval required							
<b>0245-555</b>	<b>Political Economy, Mass Media &amp; Democracy</b>							
Section 1	3.00	LEC	W	04:00	06:50PM	Chrysler Hall North 1137	Wittebols, James	
<b>0245-569</b>	<b>Globalization, Poverty and Development</b>							
Section 1	3.00	LEC	R	01:00	03:50PM	Chrysler Hall North 1137	Ovadia, Jesse	Dec 10 03:30pm
<b>0245-588</b>	<b>Collective Action &amp; Contentious Politics</b>							
Section 1	3.00	LEC	T	09:30	12:20PM	Chrysler Hall North 1137	Maltseva, Elena	Dec 18 12:00pm
<b>0245-795</b>	<b>Political Science MA Internship</b>							
Section 1	6.00	LEC	F	08:30	11:20AM	Chrysler Hall North 1137	Sutcliffe, John B	
<b>0245-796</b>	<b>Major Paper</b>							
Section 1	6.00	LEC					Faculty	
<b>0245-797</b>	<b>Thesis</b>							
Section 1	12.00	LEC					Faculty	

Course Section	Credits	Act	Days	Start Time	Stop Time	Bldg/Room	Professor	Exam Time
<b>Psychology</b>								
<b>0246-503</b>	<b>Biological Bases of Behaviour</b>							
Section 1	3.00	LEC	T	08:30	11:20AM	Chrysler Hall South 265A	Baird, Rebecca	
	was Tues. 9 - 11:50 a.m.							
<b>0246-511</b>	<b>Statistics for Graduate Study in Psyc I</b>							
Section 1	3.00	LEC	W	08:30	11:20AM	Chrysler Hall South 265A	Jackson, D.	
			M	08:30	10:00AM	O'Neil Medical Education Centre 2128		
<b>0246-580</b>	<b>Psychopathology</b>							
Section 1	3.00	LEC	T	01:00	03:50PM	Dillon Hall 350	Rappaport, Lance	
<b>0246-581</b>	<b>Ethical &amp; Prof. Issues in Clinical Psyc</b>							
Section 1	3.00	LEC	M	01:30	04:20PM	Chrysler Hall South 265A	Langton, Calvin M	
<b>0246-582</b>	<b>Clinical Assessment I</b>							
Section 1	3.00	LEC	M	01:00	03:50PM	Chrysler Hall South 294	Casey, J.	
<b>0246-582</b>	<b>Laboratory</b>							
Section 51		LAB	W	01:00	03:50PM	Chrysler Hall South 294	Casey, J.	
<b>0246-588</b>	<b>Multicultural Issue in Clinical Practice</b>							
Section 1	Full 3.00	LEC	W	01:00	03:50PM	Chrysler Hall South 265A	Kuo, Chung-hsing	
<b>0246-589</b>	<b>Advanced Adult Assessment</b>							
Section 1	3.00	LEC	R	01:00	03:50PM	Chrysler Hall South 265A	Scoboria, Alan	
<b>0246-606</b>	<b>Preparing for Clinical Internships</b>							
Section 1	3.00	LEC	R	01:00	03:50PM		Thomas, Cheryl D	
<b>0246-642</b>	<b>Adult Clinical Neuropsychology/Theory</b>							
Section 1	3.00	LEC	R	01:00	03:50PM		Baird, Rebecca	
<b>0246-652</b>	<b>Child Clinical Assessment</b>							
Section 1	3.00	LEC	W	08:30	11:20AM	Chrysler Hall South 273	Fritz, Patti	
<b>0246-657</b>	<b>Issues in Cultural Diversity</b>							
Section 1	3.00	LEC	W	01:30	03:50PM	O'Neil Medical Education Centre 3106	Kwantes, Catherine	
<b>0246-670</b>	<b>Applied Social Psychology</b>							
Section 1	3.00	LEC	T	01:00	03:50PM	Chrysler Hall South 278	Chung-Yan, Gregory	
<b>0246-675</b>	<b>Child/Adolescent Clinici Interventions I</b>							
Section 1	Full 3.00	LEC	T	01:00	03:50PM		Fritz, Patti	
	was Thurs. 8:30 - 11:20 a.m. room 265A CHS							
	Now will be held on Thurs. ffrom 1 p.m. until 3:50 in room 101 PSRC							

Course Section	Credits	Act	Days	Start Time	Stop Time	Bldg/Room	Professor	Exam Time
<b>Psychology</b>								
<b>0246-685</b>	<b>Brief Psychodynamic Psychotherapy I</b>							
Section 1	3.00	LEC	W	09:00	11:50AM		Taylor, Andrew Taylor, A.	
	Location: PSRC was Tues. 1 - 3:50 p.m.							
<b>0246-688</b>	<b>Intro. Practicum in Clinical Neuropsych</b>							
Section 1	3.00	LEC					Miller, Carlin	
	Location - PRSC							
<b>0246-689</b>	<b>Intensive Practicum/Clinical Neuropsych</b>							
Section 1	Full 3.00	LEC					Miller, Carlin	
	Location: PSRC							
<b>0246-692</b>	<b>Cognitive Behaviour Therapy I</b>							
Section 1	Full 3.00	LEC	M	09:30	12:20PM	Chrysler Hall South 265A	Thomas, Cheryl	
Section 2	3.00	LEC	W	01:00	03:50PM	O'Neil Medical Education Centre 3112	Boroughs, Michael	
<b>0246-694</b>	<b>Integrative Psychotherapy I</b>							
Section 1	3.00	LEC	W	01:00	03:50PM		Jarry, Josee	
	Will be held in the PSR Centre (on Riverside Drive)							
<b>0246-701</b>	<b>Clinical Practicum: MA Level</b>							
Section 1	3.00	LEC					Scoboria, Alan	
<b>0246-702</b>	<b>Clinical Practicum: PhD Level</b>							
Section 1	3.00	LEC					Scoboria, Alan	
<b>0246-706</b>	<b>Predocloral Clinical Internship</b>							
Section 1	3.00	LEC					Thomas, Cheryl D	
<b>0246-715</b>	<b>Psychological Services Centre Practicum</b>							
Section 1	3.00	LEC	T	02:00	03:50PM		Kuo, Chung-hsing	
	Will be held @PSRC, room 209							
<b>0246-721</b>	<b>Applied Social Psychology Practicum</b>							
Section 1	3.00	LEC	R	09:30	11:20AM	Chrysler Hall South 278	Kwantes, C.	
<b>0246-731</b>	<b>Applied Social Doctoral Internship I</b>							
Section 1	3.00	LEC					Kwantes, Catherine T.	
<b>0246-732</b>	<b>Applied Social Doctoral Internship II</b>							
Section 1	3.00	LEC					Kwantes, Catherine T.	
<b>0246-741</b>	<b>Comprehensive Examination -Social Area</b>							
Section 1	3.00	LEC					Cramer, Kenneth M	

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<b>Psychology</b>								
<b>0246-741</b>	<b>Comprehensive Examination- Clinical Area</b>							
Section 2	3.00	LEC					Kuo, Chung-hsing	
<b>0246-797</b>	<b>M.A. Thesis Research</b>							
Section 1	12.00	LEC					Faculty	
<b>0246-798</b>	<b>Doctoral Dissertation Research</b>							
Section 1	12.00	LEC					Faculty	
<b>Social Work</b>								
<b>0247-503</b>	<b>Comprehensive Social Policy Analysis</b>							
Section 1	3.00	LEC	T	08:30	11:20AM	Windsor Hall 103	Escobar, K.	Dec 18 08:30am
	Section Offered Off Campus							
Section 81	3.00	LEC					Horn, Thomas D	
	Section Offered Off Campus Nov. 2 and 3 Nov. 16 and 17 Dec. 7 and 8							
Section 82	3.00	LEC					Mfoafo-M'Carthy, Magnus	
	Section Offered Off Campus Nov. 2 and 3 Nov. 16 and 17 Dec. 7 and 8							
Section 84	3.00	LEC	F	03:00	09:30PM		Holosko, Michael J	
			S	08:00	04:30PM			
	Section Offered Off Campus Nov. 2 and 3 Nov. 16 and 17 Dec. 7 and 8 This will be held in the Peel Location							
<b>0247-504</b>	<b>Communication Skills in Social Work Prac</b>							
Section 1	3.00	LEC	M	08:30	11:20AM	Windsor Hall 307	Donnelly, Elizabeth A.	Dec 10 12:00pm
<b>0247-523</b>	<b>Challenges in Human Behaviour</b>							
Section 86	3.00	LEC					Coyle, James	
	Section Offered Off Campus Nov. 2 and 3 Nov. 16 and 17 Dec. 7 and 8							
<b>0247-547</b>	<b>Adv Social Work Research: Practice Eval.</b>							
Section 1	3.00	LEC	T	01:00	03:50PM	Windsor Hall 307	Yun, Sung Hyun	
<b>0247-550</b>	<b>SW Values, Ethics &amp; Anti-Oppressive Prac</b>							
Section 1	3.00	LEC	M	01:00	03:50PM	Windsor Hall 306	Damianakis, Thecla	

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<b>Social Work</b>								
Section 81	3.00	LEC					Mfoafo-m'Carthy, Magnus	
	Section Offered Off Campus Sept 14 and 15 Sept 28 and 29 Oct 12 and 13							
Section 82	3.00	LEC					Horn, Thomas D	
	Section Offered Off Campus							
Section 84	3.00	LEC	F	03:00	09:30PM		Holosko, Michael J	
			S	08:00	04:30PM			
	Section Offered Off Campus Sept 14 and 15 Sept 28 and 29 Oct 12 and 13 This will be held in the Peel Location							
<b>0247-570 Field Integration Seminar</b>								
Section 71	3.00	LEC					Wade, Carol V	
	Section Offered Off Campus Online Friday Nights from 7pm to 9 pm  Sept. 14, 21, 28, Oct. 12, 19 26 Nov. 2, 9, 16, 23, 30 Dec. 7							
Section 72	3.00	LEC					Sawyer, Jami-Leigh A	
	Section Offered Off Campus Online Friday Nights from 7pm to 9 pm  Sept. 14, 21, 28, Oct. 12, 19 26 Nov. 2, 9, 16, 23, 30 Dec. 7							
Section 75	3.00	LEC					Spencer, Elaine A	
	Section Offered Off Campus							
<b>0247-571 Foundation Field Practicum</b>								
Section 71	6.00	LEC					Ambrose-miller, Wayne A	
	Section Offered Off Campus							
Section 72	6.00	LEC					Ambrose-miller, Wayne A	
	Section Offered Off Campus							
Section 75	6.00	LEC					Ambrose-miller, Wayne A	
	Section Offered Off Campus							
<b>0247-610 Advanced Direct Social Work Practice</b>								
Section 1	3.00	LEC	T	01:00	03:50PM	Windsor Hall 306	Grant, Jill G.	

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<b>Social Work</b>								
Section 2	3.00	LEC	F	01:00	03:50PM	Windsor Hall 307	Grant, Jill G.	
<b>0247-611</b>	<b>Advanced Indirect Social Work Practice</b>							
Section 1	3.00	LEC	W	08:30	11:20AM	Windsor Hall 306	Selmi, Patrick	Dec 19 08:30am
Section 2	3.00	LEC	R	08:30	11:20AM	Windsor Hall 307	Selmi, Patrick	Dec 19 08:30am
Section 61	3.00	LEC					Duni, Sarah	
								Sept. 14 and 15 Sept. 28 and 29 Oct. 12 and 13
Section 62	3.00	LEC					Firang, David Y	
								Sept. 14 and 15 Sept. 28 and 29 Oct. 12 and 13
Section 63	3.00	LEC	F	03:00	09:30PM	Windsor Hall 110	Smith-Carrier, Tracy	
			S	08:00	04:30PM	Windsor Hall 110		
								Sept. 14 and 15 Sept. 28 and 29 Oct. 12 and 13
Section 64	3.00	LEC	F	03:00	09:30PM	Windsor Hall 116	Vasey, Adam	
			S	08:00	04:30PM	Windsor Hall 116		
								Sept. 14 and 15 Sept. 28 and 29 Oct. 12 and 13
Section 65	3.00	LEC					Escobar, Keren M	
								Sept. 14 and 15 Sept. 28 and 29 Oct. 12 and 13
<b>0247-621</b>	<b>Social Justice and Social Change</b>							
Section 1	3.00	LEC	M	08:30	11:20AM	Windsor Hall 101	Guta, Adrian	Dec 10 03:30pm
Section 2	3.00	LEC	W	08:30	11:20AM	Windsor Hall 101	Guta, Adrian	Dec 10 03:30pm
								was in room 117.
Section 86	3.00	LEC					Clarke, Samantha V.	
								Section Offered Off Campus Sept. 14 and 15 Sept. 28 and 29 Oct. 12 and 13
<b>0247-622</b>	<b>Adv.Social Policy Analysis and Developmnt</b>							
Section 1	3.00	LEC	T	08:30	11:20AM	Windsor Hall 306	Habibov, Nazim	Dec 15 07:00pm
Section 2	3.00	LEC	F	08:30	11:20AM	Windsor Hall 103	Habibov, Nazim	Dec 15 07:00pm
<b>0247-625</b>	<b>Law/Social Wk-Research &amp; Policy Analysis</b>							
Section 1	Full 4.00	LEC	T	01:00	05:00PM	Windsor Hall 304	Park, Wansoo	
								Location: Windsor Tower, room 304, Downtown Windsor Tuesday's from 1 - 5p.m.



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## Social Work

### 0247-640 Program Design and Evaluation

Section 1	3.00	LEC	M	01:00	03:50PM	Windsor Hall 307	Park, Wansoo	
Section 2	3.00	LEC	R	01:00	03:50PM	Windsor Hall 306	Park, Wansoo	
Section 61	3.00	LEC					Stoddart, Jill K	

Section Offered Off Campus  
 Nov. 2 and 3  
 Nov. 16 and 17  
 Dec. 7 and 8

Section 62	3.00	LEC					Al-Saadi, Riham N	
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Section Offered Off Campus  
 Nov. 2 and 3  
 Nov. 16 and 17  
 Dec. 7 and 8

Section 63	3.00	LEC	F	03:00	09:30PM	Windsor Hall 110	Faubert, Sarah E	
			S	08:00	04:30PM	Windsor Hall 110		

Section Offered Off Campus  
 Nov. 2 and 3  
 Nov. 16 and 17  
 Dec. 7 and 8

Section 64	3.00	LEC	F	03:00	09:30PM	Windsor Hall 117	Brisebois, Kimberly	
			S	08:00	04:30PM	Windsor Hall 117		

Section Offered Off Campus  
 Nov. 2 and 3  
 Nov. 16 and 17  
 Dec. 7 and 8

Section 65	3.00	LEC					Reber, Margaret E	
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Section Offered Off Campus  
 Nov. 2 and 3  
 Nov. 16 and 17  
 Dec. 7 and 8

### 0247-680 Advanced Internship Seminar

Section 76	3.00	LEC					Morgenshtern, Marina	
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Section Offered Off Campus  
 Time 7 pm to 9 pm  
 Online Course  
 Sept. 14, 21, 28  
 Oct. 12, 19, 26  
 Nov. 2, 9, 16, 23, 30  
 Dec. 7

Section 77	3.00	LEC					Hartleib, Mindy L	
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Section Offered Off Campus

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## Social Work

### 0247-681 Advanced Practice Internship

Section 76	6.00	LEC					Ambrose-miller, Wayne A	
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Section Offered Off Campus

Section 77	6.00	LEC					Ambrose-miller, Wayne A	
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Section Offered Off Campus

### 0247-720 Epistemology/Philosophy of Sci: Soc Wk

Section 1	3.00	LEC	M	01:00	03:50PM	Windsor Hall 304	Guta, Adrian	
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### 0247-740 Qualitative methods-Social Work research

Section 1	3.00	LEC	M	08:30	11:20AM	Windsor Hall 308	Damianakis, Thecla	
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### 0247-743 Quantitative methods-SW research

Section 1	3.00	LEC	T	08:30	11:20AM	Windsor Hall 308	Gorey, Kevin M	
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### 0247-798 Dissertation Research

Section 1	12.00	LEC					Faculty	
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## Sociology

### 0248-601 Classical Theories and Beyond

Section 1	3.00	LEC	T	08:30	11:20AM	Dillon Hall 359	Cradock, Gerald A.	
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### 0248-607 Survey Data

Section 1	3.00	LEC	R	04:00	06:50PM	Dillon Hall 254	Mcmurphy, Suzanne M	
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moved from MB 3108

### 0248-620 Social Movement and Popular Mobilization

Section 1	Full 3.00	LEC	W	11:30	02:20PM	Erie Hall 2126	Ku, Jane	
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was in Dillon Hall, room 364

### 0248-661 Crime and Exclusion

Section 1	3.00	LEC	R	08:30	11:20AM	Dillon Hall 353	Fitzgerald, Amy J	
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### 0248-664 Contemporary Criminological Theory

Section 1	3.00	LEC	T	01:00	03:50PM	Dillon Hall 359	Deukmedjian, John	
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Course Section	Credits	Act	Days	Start Time	Stop Time	Bldg/Room	Professor	Exam Time
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**Sociology**

**0248-687 Unruly City urban analysis & ethnography**

Section 1	3.00	LEC	W	02:30	05:20PM	Chrysler Hall South 53-2	Harney, Nicholas	
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As cities assume a growing importance in all societies, as they house an increasing proportion of the world's people, and as they become more closely interlinked through the processes of globalisation, so they command more attention from anthropologists and sociologists. The aim of this course is to consider the work of anthropologists, sociologists and others who have explored and attempted to conceptualise cities and urban spaces, urban cultures and social relations, and the intersections between cultural phenomena and urban transformation all within the context of political economic formations. The course further aims to familiarise students with the variable theoretical perspectives that have been brought to bear on urban life, and the way in which ethnographic research may be undertaken in cities. Students develop the skills to analyse and debate social issues and aspects of cities and urban life.

Section 2 Full	3.00	LEC					Ku, Jane	
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As cities assume a growing importance in all societies, as they house an increasing proportion of the world's people, and as they become more closely interlinked through the processes of globalisation, so they command more attention from anthropologists and sociologists. The aim of this course is to consider the work of anthropologists, sociologists and others who have explored and attempted to conceptualise cities and urban spaces, urban cultures and social relations, and the intersections between cultural phenomena and urban transformation all within the context of political economic formations. The course further aims to familiarise students with the variable theoretical perspectives that have been brought to bear on urban life, and the way in which ethnographic research may be undertaken in cities. Students develop the skills to analyse and debate social issues and aspects of cities and urban life.

**0248-690 Reading: Development/Thesis Proposal**

Section 1	3.00	LEC						
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Instructor approval required

**0248-794 Directed Study Major Project I**

Section 1 Full	3.00	LEC					Ku, Jane	
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**0248-797 M.A. Thesis**

Section 1	12.00	LEC					Faculty	
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**0248-798 Doctoral Dissertation**

Section 1	12.00	LEC					Faculty	
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**Economics**

**0341-501 Microeconomic Theory I**

Section 1	3.00	LEC	MW	10:00	11:20AM	Dillon Hall	368	Trudeau, Christian
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**0341-502 Macroeconomic Theory I**

Section 1	3.00	LEC	MW	02:30	03:50PM	Dillon Hall	368	Arbex, Marcelo
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Was in Dillon Hall, room 352

**0341-541 Econometric Theory I**

Section 1	3.00	LEC	TR	01:00	02:20PM	Memorial Hall	105	Li, Dingding
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**0341-550 Monetary Theory**

Section 1 Full	3.00	LEC	MW	11:30	12:50PM	Dillon Hall	265	Rhee, Hyuk-jae	Dec 10 03:30pm
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Open to MAEP students only.

# 2018 Fall Graduate Course Offerings

September 24, 2018

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Course Section	Credits	Act	Days	Start Time	Stop Time	Bldg/Room	Professor	Exam Time
<b>Economics</b>								
<b>0341-582</b>	<b>Selected Topic: Growth &amp; Development</b>							
Section 15	3.00	LEC	TR	02:30	03:50PM	Dillon Hall 354	Batu, M.	
<b>0341-591</b>	<b>Urban Economics</b>							
Section 1	3.00	LEC	MW	11:30	12:50PM	Dillon Hall 367	Craig, Andrea	Dec 19 03:30pm
<b>0341-601</b>	<b>Applied Microeconomics</b>							
Section 1	3.00	LEC	MW	01:00	02:20PM	Dillon Hall 265	Zhang, Yahong	Dec 19 08:30am
<b>0341-603</b>	<b>Mathematics for Applied Economics</b>							
Section 1	3.00	LEC	TR	11:30	12:50PM	Dillon Hall 255	Turdaliev, Nurlan	Dec 8 08:30am
<b>0341-604</b>	<b>Applied Econometrics 1</b>							
Section 1	3.00	LEC	TR	02:30	03:50PM	Dillon Hall 255	Zhang, Yahong	Dec 14 07:00pm
	was in Education Bldg.,							
<b>0341-606</b>	<b>Business Communication</b>							
Section 1	3.00	LEC					Lanoue, Christopher	
	>>>Session A:							
	>> October 23rd 7 - 9:50 p.m. Dillon Hall, room 255							
	>> October 30th 7 - 9:50 p.m. Dillon Hall, room 255							
	>> November 13th 7 - 9:50 p.m. Dillon Hall, room 255							
Section 2	3.00	LEC					Lanoue, C.	
	>>> Session D:							
	>> September 18th 7 - 9:50 p.m. Dillon Hall, room 255							
	>> October 2nd 7 - 9:50 p.m. Dillon Hall, room 255							
	>> October 16th 7 - 9:50 p.m. Dillon Hall, room 255							
<b>0341-607</b>	<b>Research Project in Econ. Pol. &amp; Seminar</b>							
Section 1	3.00	LEC	MW	04:00	05:20PM	Memorial Hall 109	Zhang, Yahong	
<b>0341-796</b>	<b>Major Paper</b>							
Section 1	3.00	LEC					Faculty	
<b>Biology</b>								
<b>0355-603</b>	<b>Topic: Skills for Success in Biology</b>							
Section 17	3.00	LEC					Love, Oliver P	
	Skills for Success in Biology A lecture-, reading- and discussion-based graduate course in Biological Sciences							
<b>0355-797</b>	<b>Thesis Research</b>							
Section 1	12.00	LEC					Faculty	
<b>0355-798</b>	<b>Dissertation Research</b>							
Section 1	12.00	LEC					Faculty	
<b>Chemistry</b>								

# 2018 Fall Graduate Course Offerings

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Course Section	Credits	Act	Days	Start Time	Stop Time	Bldg/Room	Professor	Exam Time
<b>Chemistry</b>								
<b>0359-542 Magnetic Resonance Spectroscopy</b>								
Section 1	3.00	LEC	M	02:30	03:50PM	Erie Hall	1115	Schurko, Robert W.
			W	02:30	03:50PM	Erie Hall	1114	
<b>0359-565 Membrane Biochemistry</b>								
Section 1	3.00	LEC	T	10:00	12:00PM	Dillon Hall	350	Marquardt, Drew
Day, Time & Location - TBA								
<b>0359-575 Organic Nanomaterials</b>								
Section 1	Full 3.00	LEC	W	04:00	06:50PM	Dillon Hall	256	Rondeau-Gagne, Simon
was Tuesday's 4 - 6:50 p.m.								
<b>0359-600 Directed Studies</b>								
Section 1	Full 3.00	LEC						Schurko, Robert W.
Instructor Approval Required. Day, Time & Location - TBA								
Section 2	Full 3.00	LEC						Gauld, James
Instructor Approval Required. Day, Time & Location - TBA								
<b>0359-600 Directed Special Studies</b>								
Section 3	Full 3.00	LEC						Marquardt, Drew
<b>0359-634 Advanced Topics in Organic Chemistry</b>								
Section 1	3.00	LEC	MW	01:00	02:20PM	Erie Hall	2139	Green, James F
Day, Time, Location - TBA								
<b>0359-663 Special Topics : Science of Cooking</b>								
Section 1	3.00	LEC	W	09:00	11:50AM	Essex Hall	254	Lee, Lana
Dec 10 12:00pm								
<b>0359-670 Protein Structure and Function</b>								
Section 2	3.00	LEC	TR	02:30	03:50PM	Memorial Hall	109	Dieni, Christopher
Dec 13 08:30am								
<b>0359-675 Biochem&amp; Cell Biology- Lipids&amp; Membranes</b>								
Section 2	3.00	LEC	TR	11:30	12:50PM	Odette Building	B03	Kozarova, A.
Dec 8 12:00pm								
<b>0359-676 Human Physiology&amp; Mechanisms of Disease</b>								
Section 1	3.00	LEC	M	10:00	12:50PM	Neal Education Building	1123	Kaur, Tranum
Dec 11 08:30am								
Section 2	3.00	LEC	W	10:00	12:50PM	Memorial Hall	311	Kaur, T.
Dec 11 08:30am								
<b>0359-680 Strategic Management of Biotech Innovat.</b>								
Section 1	3.00	LEC	T	08:30	11:20AM	Odette Building	112	Sidhu, P.
Dec 17 08:30am								
<b>0359-684 Cell Death and Diseases</b>								
Section 1	3.00	LEC	R	10:00	12:00PM	Dillon Hall	359	Pandey, Siyaram
<b>0359-690 Biotechnology Entrepreneurship</b>								
Section 1	Full 6.00	LEC	F	10:00	12:50PM	Biology Building	113	Sidhu, P.
Dec 18 08:30am								

Course Section	Credits	Act	Days	Start Time	Stop Time	Bldg/Room	Professor	Exam Time
<b>Chemistry</b>								
<b>0359-710</b>	<b>The Research Proposal</b>							
Section 1		LEC	R	10:00	12:00PM	Erie Hall	2139 Rawson, Jeremy	
<b>0359-795</b>	<b>Seminar</b>							
Section 1	3.00	LEC	F	02:30	04:50PM	Essex Hall	186 Rawson, Jeremy	
<b>0359-797</b>	<b>Master's Thesis</b>							
Section 1	12.00	LEC					Rawson, Jeremy M.	
<b>0359-798</b>	<b>Doctoral Dissertation</b>							
Section 1	12.00	LEC					Rawson, Jeremy M.	

## Computer Science

<b>0360-510</b>	<b>Literature Review and Survey</b>							
Section 1	3.00	LEC	M	02:30	05:20PM	Erie Hall	1114 Ezeife, Christie I	
Courses restricted to Master of Science in CS or Ph.D. in CS students only. Any other graduate level student must seek approval from the School of Computer Science.								
Instructor approval required.								
<b>0360-537</b>	<b>Database Management Systems</b>							
Section 1	Full 3.00	LEC	MW	04:00	05:20PM	Toldo Health Education Centre	204 Moradian Zadeh, Pooya	Dec 19 03:30pm
Courses restricted to Master of Science in CS or Ph.D. in CS students only. Any other graduate level student must seek approval from the School of Computer Science.								
<b>0360-538</b>	<b>Information Retrieval Systems</b>							
Section 1	3.00	LEC	MW	05:30	06:50PM	Memorial Hall	105 Lu, Jianguo	Dec 11 03:30pm
Courses restricted to Master of Science in CS or Ph.D. in CS students only. Any other graduate level student must seek approval from the School of Computer Science.								
was Tues/Thurs. 10 a.m.								
<b>0360-551</b>	<b>Visual Processing</b>							
Section 1	3.00	LEC	F	10:00	12:50PM	Erie Hall	2125 Boufama, Boubakeur	Dec 19 07:00pm
<b>0360-554</b>	<b>Advanced Algorithms</b>							
Section 1	3.00	LEC	TR	04:00	05:20PM	Odette Building	B06 Tsin, Yung H	Dec 13 12:00pm
<b>0360-561</b>	<b>Artificial Neural Networks</b>							
Section 1	3.00	LEC	MW	10:00	11:20AM	Odette Building	B02 Gras, Robin D.	Dec 12 08:30am
<b>0360-570</b>	<b>Introduction to Artificial Intelligence</b>							
Section 1	3.00	LEC	M	11:30	02:20PM	Erie Hall	1114 Kobti, Ziad	Dec 17 12:00pm
<b>0360-574</b>	<b>Pattern Recognition</b>							
Section 1	Full 3.00	LEC	R	10:00	12:50PM	Erie Hall	2127 Rueda, Luis G.	
Courses restricted to Master of Science in CS or Ph.D. in CS students only. Any other graduate level student must seek approval from the School of Computer Science.								

# 2018 Fall Graduate Course Offerings

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Course Section	Credits	Act	Days	Start Time	Stop Time	Bldg/Room	Professor	Exam Time
<b>Computer Science</b>								
<b>0360-592</b>	<b>Topic: Deep Learning for Vision and NLP</b>							
Section 1	3.00	LEC	MW	02:30	03:50PM	Memorial Hall 311	Gras, Robin D.	
<b>0360-611</b>	<b>Advanced Software Eng. Topics</b>							
Section 1	Full 3.00	LEC	T	08:30	11:50AM	Essex Hall 122	Moradian Zadeh, Pooya	Dec 18 08:30am
Section 2	3.00	LEC	R	08:30	11:50AM	Essex Hall 122	Moradian Zadeh, Pooya	Dec 18 08:30am
<b>0360-634</b>	<b>Internet Applications &amp; Distributed Syst</b>							
Section 1	3.00	LEC	M	01:00	04:20PM	Essex Hall 122	Ouda, Abdelnasser	Dec 14 12:00pm
Section 2	3.00	LEC	W	01:00	04:20PM	Essex Hall 122	Ouda, Abdelnasser	Dec 14 12:00pm
<b>0360-654</b>	<b>Advanced Computing Concepts</b>							
Section 1	Full 3.00	LEC	M	08:30	11:50AM	Essex Hall 122	Rueda, L.	Dec 19 12:00pm
Section 2	3.00	LEC	W	08:30	11:50AM	Essex Hall 122	Rueda, L.	Dec 19 12:00pm
<b>0360-667</b>	<b>Networking and Data Security</b>							
Section 1	3.00	LEC	T	01:00	04:20PM	Essex Hall 122	Mavromousta kos, Stephanos	Dec 11 12:00pm
Section 2	3.00	LEC	R	01:00	04:20PM	Essex Hall 122	Mavromousta kos, Stephanos	Dec 11 12:00pm
<b>0360-699</b>	<b>Project/Internship</b>							
Section 1	6.00	LEC					Mavromousta kos, Stephanos	
<b>0360-797</b>	<b>M.Sc. Thesis</b>							
Section 1	12.00	LEC					Faculty	
<b>0360-798</b>	<b>Doctoral Dissertation Research</b>							
Section 1	12.00	LEC					Faculty	
<b>Geology</b>								
<b>0361-532</b>	<b>Num. Sim. of Subsurface Fluid Migration</b>							
Section 1	3.00	LEC					Yang, Jianwen	
<b>0361-545</b>	<b>Global Tectonics and Igneous Petrology</b>							
Section 1	3.00	LEC	TR	10:00	11:20AM	Memorial Hall 211	Polat, Ali	Dec 15 08:30am
<b>0361-580</b>	<b>Graduate Seminar</b>							
Section 1	3.00	LEC					TBA	
<b>0361-582</b>	<b>Masters Thesis Proposal</b>							
Section 1	3.00	LEC					TBA	

Course Section	Credits	Act	Days	Start Time	Stop Time	Bldg/Room	Professor	Exam Time
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**Geology**

<b>0361-590</b>	<b>Geographic Info/Sys.&amp; Technology (GIS&amp;T)</b>							
Section 1	3.00	LEC	F	09:00	12:00PM	Memorial Hall 109	Grgicak-Manni on, Alice	

Students will be introduced to key spatial theories (i.e. projections and coordinate systems, vector and raster data structures, geodatabase development and spatial queries, overlay and classification procedures, network analyses, geostatistical and spatial analysis, cartographic design, etc.) by participating in interactive lectures, conducting literature reviews and being part of dynamic discussion sessions. Students will also apply these concepts to specific research questions revolving around topics such as transportation and logistics, pollution tracking and epidemiological impact, habitat mapping and species distribution, and 3-D visualization and geosimulation. Students will then learn to utilize proprietary and open source GIS software and other geospatial mobile devices (i.e. GPS, UAVs) to address these research questions and present their workflows and impact assessments in various formats (i.e. maps, programming code, reports and presentations). Lastly, the instructor will discuss career paths and opportunities in GIS&T and where the future of GIS&T is heading (i.e. big data, AI, machine learning, citizen science, etc.).

Lab Section time will be incorporated in Lecture Time

<b>0361-700</b>	<b>Doctoral Research Proposal</b>							
Section 1	3.00	LEC					TBA	
<b>0361-797</b>	<b>Master's Thesis</b>							
Section 1	12.00	LEC					TBA	
<b>0361-798</b>	<b>Doctoral Dissertation</b>							
Section 1	12.00	LEC					TBA	

**Mathematics**

<b>0362-510</b>	<b>Functions of a Real Variable I</b>							
Section 1	3.00	LEC	TR	10:00	11:20AM	Lambton Tower 9118	Hu, Zhiguo	Dec 8 12:00pm
<b>0362-520</b>	<b>Abstract Algebra</b>							
Section 1	3.00	LEC	TR	11:30	12:50PM	Lambton Tower 9118	Yee, Wai Ling	Dec 10 08:30am
<b>0362-530</b>	<b>General Topology</b>							
Section 1	3.00	LEC	TR	01:00	02:20PM	Lambton Tower 9118	Yang, Dilian	Dec 11 03:30pm
<b>0362-598</b>	<b>Topic: Differential &amp; Algebraic Geometry</b>							
Section 26	Full	3.00	LEC				Yee, Wai Ling	
<b>0362-598</b>	<b>Special Topic: Hopf Algebras</b>							
Section 39	Full	3.00	LEC				Shapiro, Ilya	
<b>0362-795</b>	<b>Seminar</b>							
Section 1	3.00	LEC	R	02:30	04:30PM	Biology Building 113	Sangani Monfared, Mehdi	
<b>0362-796</b>	<b>Major Paper</b>							
Section 1	3.00	LEC					Sangani Monfared, Mehdi	



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Course Section	Credits	Act	Days	Start Time	Stop Time	Bldg/Room	Professor	Exam Time
<b>Mathematics</b>								
<b>0362-797</b>	<b>Thesis</b>							
Section 1	6.00	LEC					Sangani Monfared, Mehdi	
<b>Physics</b>								
<b>0364-510</b>	<b>Seminar for M.Sc. Students</b>							
Section 1	3.00	LEC	W	12:30	01:20PM	Essex Hall	288-1	Maev, Roman
<b>0364-550</b>	<b>Advanced Quantum Theory I</b>							
Section 91	3.00	LEC					TBA	
	Section Offered Off Campus Offered online through York University.							
<b>0364-563</b>	<b>Topic: Techniques in Materials Science</b>							
Section 1	3.00	LEC					TBA	
<b>0364-584</b>	<b>Design and Application of Lasers</b>							
Section 1	3.00	LEC	MWF	01:30	02:20PM	Essex Hall	288-1	Haque, Shajid Dec 12 12:00pm
<b>0364-610</b>	<b>Seminar for Ph.D. Students</b>							
Section 1	3.00	LEC	W	12:30	01:20PM	Essex Hall	288-1	Maev, Roman
<b>0364-796</b>	<b>M.Sc. Major Paper</b>							
Section 1	6.00	LEC						
<b>0364-797</b>	<b>Thesis</b>							
Section 1	12.00	LEC						
<b>0364-798</b>	<b>Dissertation</b>							
Section 1	12.00	LEC						
<b>Statistics</b>								
<b>0365-542</b>	<b>Advanced Mathematical Statistics</b>							
Section 1	3.00	LEC	MW	01:00	02:20PM	Lambton Tower	9118	TBA Dec 10 12:00pm
<b>0365-550</b>	<b>Generalized Linear Models</b>							
Section 1	3.00	LEC	M	09:30	12:20PM	Lambton Tower	9118	Paul, Sudhir R Dec 12 08:30am
	changed day, time and location							
<b>0365-559</b>	<b>Survival Analysis</b>							
Section 7	3.00	LEC	T	02:30	05:20PM	Dillon Hall	353	Hussein, Abdulkadir Dec 14 12:00pm
	was M/W @ 2:30							
<b>0365-559</b>	<b>Topic: Regression Models for Count Data</b>							
Section 34	Full 3.00	LEC					Hussein, Abdulkadir	
<b>0365-795</b>	<b>Seminar</b>							
Section 1	3.00	LEC	R	02:30	04:30PM	Biology Building	113	Sangani Monfared, Mehdi

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Course Section	Credits	Act	Days	Start Time	Stop Time	Bldg/Room	Professor	Exam Time
<b>Statistics</b>								
<b>0365-796</b>	<b>Major Paper</b>							
Section 1	3.00	LEC					Sangani Monfared, Mehdi	
<b>0365-797</b>	<b>Thesis</b>							
Section 1	6.00	LEC					Sangani Monfared, Mehdi	
<b>0365-798</b>	<b>Dissertation</b>							
Section 1	12.00	LEC					Sangani Monfared, Mehdi	
<b>Environmental Science</b>								
<b>0368-550</b>	<b>GLIER Multidisciplinary Graduate Seminar</b>							
Section 1	6.00	LEC	F	02:30	04:20PM	Memorial Hall 109	Mundle, Scott Pitcher, Trevor	
<b>0368-570</b>	<b>Environmental Research Proposal</b>							
Section 1	3.00	LEC					Semeniuk, Christina A	
<b>0368-797</b>	<b>M.Sc. Thesis</b>							
Section 1	12.00	LEC					Semeniuk, Christina A	
<b>0368-798</b>	<b>Doctoral Dissertation</b>							
Section 1	18.00	LEC					Semeniuk, Christina A	
<b>Actuarial</b>								
<b>0397-501</b>	<b>Probability for Risk and Actuarial Sci.</b>							
Section 1	3.00	LEC	T	08:30	11:20AM	Erie Hall 1114	Paul, Sudhir	Dec 10 08:30am
<b>0397-502</b>	<b>Financial Mathematics, Theory of Interest</b>							
Section 1	3.00	LEC	MW	01:00	02:20PM	Dillon Hall 255	Hlynka, Myron	Dec 13 08:30am
<b>0397-506</b>	<b>Life Contingencies II</b>							
Section 30	3.00	LEC	T	07:00	09:50PM	Erie Hall 1115	Thompson, P.	Dec 11 07:00pm
<b>0397-507</b>	<b>Special Topics in Actuarial Science</b>							
Section 30	3.00	LEC	TR	02:30	04:20PM	Erie Hall 1114	Grondin, T.	Dec 10 07:00pm
<b>0397-511</b>	<b>Macroeconomics</b>							
Section 1	3.00	LEC	W	03:00	05:50PM	Dillon Hall 264	Al-Yassin, J.	Dec 12 12:00pm
<b>Accounting</b>								
<b>0470-601</b>	<b>Advanced Topics in Financial Reporting</b>							
Section 1	3.00	LEC	T	06:00	08:50PM	Odette Building 212	Cuzzocrea, M.	Dec 11 07:00pm

Course Section	Credits	Act	Days	Start Time	Stop Time	Bldg/Room	Professor	Exam Time
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**Accounting**

<b>0470-602</b>	<b>Advanced Topics in Management Accounting</b>							
Section 1	3.00	LEC	R	06:00	08:50PM	Odette Building 210	Sterling, M.	Dec 13 07:00pm

**Marketing**

<b>0474-638</b>	<b>Special Topics in Marketing</b>							
Section 30	3.00	LEC	M	07:00	09:50PM	Odette Building 112	Georgie, Vincent	Dec 10 07:00pm

**Strategy & Entrepreneurship**

<b>0475-692</b>	<b>Special Topics in Strategic Management</b>							
Section 1	3.00	LEC					Keller, Werner H	

Time & Location- TBA  
Friday, Saturday, Sunday

An intensive seminar course provides learning experiences at the intersection of law and business. Through readings, mini lectures, and analysis of business agreements, students prepare for participation in class discussions to engage in active and collaborative learning. Discussions focus on real business agreements used as case studies to enhance experiential, interdisciplinary learning, where the diversity of the course learning community provides multiple perspectives to unpack different agreements. {Prerequisite successful completion of 610 Business Law or 75-397}

<b>0475-692</b>	<b>Special Topics - Managing Employees</b>							
Section 2	3.00	LEC	F	07:30	08:50PM		Meanwell, Mary J.	
			S	01:30	05:20PM			

An analysis of the knowledge, roles, responsibilities, and skills required of today's managers. Three approaches will be examined: systems, process, and behavioural. An emphasis will be placed on the contingency view of management with respect to the process of organizing human resources to set and accomplish organizational goals.

Location- CEI Bldg., room 2104  
Friday - 19:30 to 20:50  
Saturday - 13:30 to 17:20

<b>0475-692</b>	<b>Special Topics in Strategic Management</b>							
Section 3	3.00	LEC	F	07:30	08:50PM		Cohen, I.	
			S	01:30	05:20PM			

Location- CEI Bldg., room 1102  
Friday- 19:30 to 20:50  
Saturday - 13:30 17:20

This course involves an investigation and discussion of contemporary issues in strategic management and entrepreneurship. The topics to be covered will vary from term to term according to current developments in the business world.

Course Section	Credits	Act	Days	Start Time	Stop Time	Bldg/Room	Professor	Exam Time
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**Strategy & Entrepreneurship**

Section 4	3.00	LEC					Mao, T.	
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Saturday and Sunday, Room B20

August 20 1:30pm-4:00pm, August 21 5:30pm-8:30pm, August 22 5:30pm-8:30pm  
 September 15, 8:30am-10:30am, September 16, 8:30am-1:00pm  
 October 20, 8:30am-10:30am, October 21, 8:30am-1:00pm  
 November 24, 8:30am-10:30am, November 25, 8:30am-1:00pm  
 December 15, 8:30am-10:30am, December 16, 8:30am-1:00pm

This course is designed to provide students with the tools to think globally and manage internationally. This survey course covers a wide range of topics including, the global trade and investment environment, the international firm's cultural, political, and competitive environment, and the management and operations of international firms. The focus throughout the course is on the changes that occur when a firm moves from a domestic focus to a global.

**0475-692 Special Topics: APEX Bus. Consulting**

Section 20	3.00	LEC					Fenn, G.	
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**0475-696 Enterprise Development Consulting**

Section 1 Full	3.00	LEC					Schlosser, Francine K	
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**0475-698 Strategic Management**

Section 1	3.00	LEC	W	06:00	08:50PM	Odette Building 212	Mao, T.	
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*M.B.A.*

**0475-611 Project Management I**

Section 95	3.00	LEC					Guthrie, M.	
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Section Offered as Partial Distance Education

**Stage I Business**

**0476-501 Interpersonal Dynamics**

Section 1	3.00	LEC	M	06:00	08:50PM	Odette Building 212	Vokes, E.	Dec 10 07:00pm
Section 20	3.00	LEC	F	09:00	12:50PM	Odette Building 210	Reavley, Martha	

This course is held from Oct. 11 to Dec. 12 2016

**0476-502 Core Concepts of Accounting I**

Section 1	3.00	LEC					Orawski, B.	
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Friday B14  
Saturday 210

August 22 8:30am-12:30pm, August 22 5:30pm-8:30pm, August 23, 1:30pm-4:30pm  
 September 14, 12:30pm-3:30pm, September 15, 2:30-5:30pm  
 October 19, 12:30pm-3:30pm, October 20 2:30-5:30pm  
 November 23, 12:30pm-3:30pm, November 24, 2:30-5:30pm  
 December 14, 12:30pm-3:30pm, December 15, 2:30-5:30pm

Section 20	3.00	LEC	MW	11:00	12:50PM	Odette Building 212	Jones, D.	
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This course is held from Oct. 11 to Dec. 12 2016

# 2018 Fall Graduate Course Offerings

September 24, 2018

11:06:09AM

Course Section	Credits	Act	Days	Start Time	Stop Time	Bldg/Room	Professor	Exam Time
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## Stage I Business

### 0476-503 Introduction to Financial Management

Section 1	3.00	LEC					Abdool, I.	
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Friday and Saturday, Room 212

August 20 9:00am-12:30pm, August 21 1:30pm-4:30pm, August 22 1:30pm-4:30pm  
 September 14, 12:30pm-3:30pm, September 15, 2:30pm-5:30pm  
 October 19, 12:30pm-3:30pm, October 20, 2:30pm-5:30pm  
 November 23, 12:30pm-3:30pm, November 24, 2:30pm-5:30pm  
 December 14, 12:30pm-3:30pm, December 15, 2:30pm-5:30pm

Section 20	3.00	LEC	TR	11:00	12:50PM	Odette Building	212	Elsaid, Eahab M.k.
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This course is held from Oct. 11 to Dec. 12 2016  
 For students in the Master of Actuarial Science Program...

Section 30	3.00	LEC	R	07:00	09:50PM	Odette Building	B03	Abdool, I.
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### 0476-505 Marketing Management

Section 20	3.00	LEC	WR	08:30	10:30AM	Odette Building	212	Bussiere, David
Section 21	3.00	LEC	WR	08:30	10:30AM	Odette Building	212	Bussiere, David

### 0476-511 Research Methodology

Section 1	3.00	LEC					Snowdon, Anne W	
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Saturday and Sunday, Room 210

August 24 8:30am-4:30pm  
 September 15, 8:30am-10:30am, September 16, 8:30am-1:00pm  
 October 20, 8:30am-10:30am, October 21 8:30am-1:00pm  
 November 24, 8:30am-10:30am, November 25, 8:30am-1:00pm  
 December 15, 8:30am-10:30am, December 16, 8:30am-1:00pm

### 0476-513 Human Resources Management

Section 1	3.00	LEC					Simas, M.	
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Friday B14  
 Saturday 210

August 22 1:30pm-4:30pm, August 22 8:30am-12:30pm and 5:30pm-8:30pm  
 September 14, 4:30pm-8:00pm, September 15, 11:00am-1:30pm  
 October 19, 4:30pm-8:00pm, October 20 11:00am-1:30pm  
 November 23, 4:30pm-8:00pm, November 24, 11:00am-1:30pm  
 December 14, 4:30pm-8:00pm, December 15, 11:00am-1:30pm

Section 20	3.00	LEC	W	04:00	07:50PM	Odette Building	210	Merritt, J.
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### 0476-531 Financial and Managerial Accounting

Section 1	3.00	LEC	F	06:00	07:20PM			Al-Hayale, Talal
			S	08:30	12:20PM			

Location - TBA

Course Section	Credits	Act	Days	Start Time	Stop Time	Bldg/Room	Professor	Exam Time
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## Stage I Business

### 0476-610 Business Law

Section 1	3.00	LEC					Keller, W.	
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Friday and Saturday - Room 212  
 August 21 8:30am-12:30pm, August 22 8:30am-12:30pm  
 September 14, 4:30pm-8:00pm, September 15, 11:00am-1:30pm  
 October 19, 4:30pm-8:00pm, October 20, 11:00am-1:30pm  
 November 23, 4:30pm-8:00pm, November 24, 11:00am-1:30pm  
 December 14, 4:30pm-8:00pm, December 15, 11:00am-1:30pm

### 0476-661 Directed Study

Section 1	Full	3.00	LEC				Voyer, Peter A	
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Section Offered Off Campus

Section 2	Full	3.00	LEC				Neposlan, Sandra E	
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Section Offered Off Campus

Section 3	Full	3.00	LEC				Snowdon, Anne W	
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Section Offered Off Campus

### 0476-673 Special Topic: Managing Employees

Section 1	3.00	LEC					Vokes, E.	
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Saturday and Sunday, Room B14

August 20 1:30pm-4:00pm, August 21 5:30pm-8:30pm, August 22 5:30pm-8:30pm  
 September 15, 8:30am-10:30am, September 16, 8:30am-1:00pm  
 October 20, 8:30am-10:30am, October 21, 8:30am-1:00pm  
 November 24, 8:30am-10:30am, November 25, 8:30am-1:00pm  
 December 15, 8:30am-10:30am, December 16, 8:30am-1:00pm

### 0476-796 Major Paper

Section 20	6.00	LEC					TBA	
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## Master of Management

### 0478-600 Business Communications - Part 1

Section 1	Full	3.00	LEC	F	10:00	11:50AM	Odette Building	B02	Neposlan, Sandra
	Full			F	10:00	11:50AM	Odette Building	B20	
Section 2	3.00	LEC	F	12:00	01:50PM	01:50PM	Odette Building	B02	Mcfadyen, T.
			F	12:00	01:50PM	01:50PM	Odette Building	B20	

<i>Master of Management</i>
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### 0478-611 Accounting Concepts and Techniques

Section 1	Full	3.00	LEC	TR	06:00	07:50PM	Odette Building	B04	Orawski, Bill	Dec 19 03:30pm
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was M/W 12 - 1:50 p.m.

Section 2	3.00	LEC	TR	08:00	09:50PM	09:50PM	Odette Building	B04	Orawski, Bill	Dec 19 03:30pm
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was M/W 6 - 7:50 p.m.

### 0478-613 Managing Employees

Section 1	3.00	LEC	MW	06:00	07:50PM	Chrysler Hall South	53	Collins, Jerome	Dec 17 08:30am	
Section 2	Full	3.00	LEC	TR	10:00	11:50AM	Odette Building	B02	Ma, Z.	Dec 17 08:30am

# 2018 Fall Graduate Course Offerings

September 24, 2018

11:06:09AM

Course Section	Credits	Act	Days	Start Time	Stop Time	Bldg/Room	Professor	Exam Time
<b>Master of Management</b>								
<b>Master of Management</b>								
Section 3	3.00	LEC	TR	12:00	01:50PM	Odette Building	B02	Ma, Z Dec 17 08:30am
Section 4	3.00	LEC	TR	04:00	05:50PM	Odette Building	B02	Ma, Zhenzhong Dec 17 08:30am
Section 6	3.00	LEC	TR	10:00	11:50AM	Odette Building	B02	Ma, Zhenzhong Dec 17 08:30am
<b>0478-614 Marketing</b>								
Section 1	Full 3.00	LEC	MW	02:00	03:50PM	Odette Building	B20	Wellington, B. Dec 13 08:30am
Section 2	3.00	LEC	MW	04:00	05:50PM	Odette Building	B20	Wellington, B. Dec 13 08:30am
Section 3	3.00	LEC	MW	05:30	07:20PM	Chrysler Hall South	51	Voyer, Peter A Dec 13 08:30am
Section 4	3.00	LEC	MW	02:00	03:50PM	Odette Building	B02	Voyer, Peter A Dec 13 08:30am
Section 5	3.00	LEC	TR	07:00	08:50PM	Essex Hall	186	Biswas, Abhijit Dec 13 08:30am
	was Mon/Wed.							
Section 6	3.00	LEC	MW	02:00	03:50PM	Odette Building	B02	Voyer, Peter A Dec 13 08:30am
Section 7	3.00	LEC	TR	07:00	08:50PM	Essex Hall	186	Biswas, Abhijit Dec 13 08:30am
	was Mon/Wed.							
<b>0478-631 International Business</b>								
Section 1	3.00	LEC	TR	06:00	07:50PM	Odette Building	B20	Kosciuw, Reinold F Dec 12 07:00pm
<b>0478-632 Quantitative Studies</b>								
Section 1	3.00	LEC	TR	02:00	03:50PM	Odette Building	B02	Bhandari, Gokul Dec 14 12:00pm
Section 2	3.00	LEC	TR	08:00	09:50AM	Odette Building	B20	Paranjpe, Nitin Dec 14 12:00pm V
<b>0478-634 Leadership and Organizational Change</b>								
Section 1	3.00	LEC	MW	12:00	01:50PM	Odette Building	B02	Morgan, A. Dec 12 12:00pm
Section 2	3.00	LEC	MW	12:00	01:50PM	Odette Building	B02	Morgan, Alfie Dec 12 12:00pm M
<b>0478-637 International Financial Management</b>								
Section 1	3.00	LEC	MW	08:00	09:50PM	Odette Building	B02	Abdool, Imran Dec 19 08:30am
Section 2	Full 3.00	LEC	MW	06:00	07:50PM	Odette Building	B20	Mougoue, Mbodja Dec 19 08:30am
<b>0478-651 Business Strategy</b>								
Section 1	3.00	LEC	MW	08:00	09:50AM	Odette Building	B20	Cohen, Ira Dec 11 07:00pm
Section 2	Full 3.00	LEC	MW	10:00	11:50AM	Odette Building	B20	Cohen, Ira Dec 11 07:00pm
<b>0478-657 Supply Chain Management</b>								
Section 1	3.00	LEC	TR	08:00	09:50AM	Odette Building	B02	Zhang, Guoqing Dec 18 08:30am
Section 2	3.00	LEC	TR	06:00	07:50PM	Odette Building	B02	Zhang, Guoqing Dec 18 08:30am
<b>0478-661 Consolidated Financial Statements</b>								
Section 1	3.00	LEC	TR	10:00	11:50AM	Odette Building	B20	Al-Hayale, Talal Dec 18 07:00pm

# 2018 Fall Graduate Course Offerings

September 24, 2018

11:06:09AM

Course Section	Credits	Act	Days	Start Time	Stop Time	Bldg/Room	Professor	Exam Time
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## Master of Management

<i>Master of Management</i>
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Section 2	3.00	LEC	TR	12:00	01:50PM	Odette Building	B20	Al-Hayale, Talal	Dec 18 07:00pm
<b>0478-663 Corporate Governance</b>									
Section 1	3.00	LEC	MF	02:00	03:50PM	Dillon Hall	264	Maggio, Saverpierre	Dec 14 03:30pm
Section 2	3.00	LEC	MF	04:00	05:50PM	Dillon Hall	264	Maggio, Saverpierre	Dec 14 03:30pm
<b>0478-666 Managing for High Performance</b>									
Section 1	3.00	LEC	F	09:00	12:50PM	Odette Building	B06	Costante, Fabio	
Section 2	Full 3.00	LEC	F	01:00	04:50PM	Odette Building	B06	Costante, Fabio	
<b>0478-667 Current HR Trends</b>									
Section 1	Full 3.00	LEC	MW	12:00	01:50PM	Erie Hall	2125	Reavley, M.	Dec 8 03:30pm
Section 2	3.00	LEC	MW	04:00	05:50PM	Odette Building	B02	Reavley, Martha	Dec 8 03:30pm

## Education

### 0580-591 Special Topics Language Assessment

Section 32	3.00	LEC	R	12:00	02:50PM	Neal Education Building	1120	Sirek, D.	
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## General Engineering

### 0685-519 Engineering Technical Communications

Section 1	3.00	LEC	TR	10:00	11:20AM	Centre For Engineering Innovation	1101	Salfi, L.	
Section 2	3.00	LEC	TR	02:30	03:50PM	Centre For Engineering Innovation	1102	Salfi, Lisa M.	
Section 3	3.00	LEC	MW	10:00	11:20AM	Toldo Health Education Centre	104	Miller-Branovcki, Lindsay	
Section 4	3.00	LEC	MW	01:00	02:20PM	Centre For Engineering Innovation	1102	Miller-Branovcki, Lindsay	
Section 30	3.00	LEC	M	07:00	09:50PM	Centre For Engineering Innovation	1102	Miller-Branovcki, Lindsay	
was in Toldo Bldg., room 102									
<b>0685-545 Engineering Mathematics</b>									
Section 30	3.00	LEC	R	07:00	09:50PM	Toldo Health Education Centre	200	Hassanzadeh, M.	Dec 8 07:00pm
Section 31	3.00	LEC	W	07:00	09:50PM	Toldo Health Education Centre	200	Ahmadi, A.	Dec 8 07:00pm
was in room 1100 (CEI Bldg.,)									



# 2018 Fall Graduate Course Offerings

September 24, 2018

11:06:09AM

Course Section	Credits	Act	Days	Start Time	Stop Time	Bldg/Room	Professor	Exam Time
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## General Engineering

Section 32	Full	3.00	LEC	T	07:00	09:50PM	Neal Education Building	1101	Hassanzadeh, M.	Dec 8	07:00pm
was in room 1100 (CEI Bldg.)											
Section 33		3.00	LEC	M	07:00	09:50PM	Toldo Health Education Centre	200	Ahmadi, A.	Dec 8	07:00pm

## 0685-550 Engineering Project Management

Section 1		3.00	LEC	M	04:00	06:50PM	Centre For Engineering Innovation	1101	Schuelke-Leech, Beth-Anne	Dec 19	03:30pm
Section 30	Full	3.00	LEC	T	07:00	09:50PM	Centre For Engineering Innovation	1101	Bziuk, P.	Dec 13	07:00pm
Section 31		3.00	LEC	M	07:00	09:50PM	Centre For Engineering Innovation	1101	Tape, W.	Dec 13	07:00pm
Section 32		3.00	LEC	W	07:00	09:50PM	Centre For Engineering Innovation	1101	Bziuk, P.	Dec 13	07:00pm
Section 33		3.00	LEC	R	07:00	09:50PM	Centre For Engineering Innovation	1101	Tape, W.	Dec 13	07:00pm
Section 40		3.00	LEC	F	06:00	07:20PM	Centre For Engineering Innovation		Polies, W.		
				S	08:30	12:20PM	Centre For Engineering Innovation				

Section reserved for MEM students. This course will be on Friday evenings and Saturdays. Will be held in room 1102 CEI Bldg.,

## 0685-701 Work Term/Internship

Section 1	Full		LEC								
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<i>M.Eng Automotive</i>
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## 0685-500 Auto. Materials and Manufacturing Method

Section 1	Full	3.00	LEC	W	11:30	02:20PM	Erie Hall	1114	Altenhof, William J	Dec 17	12:00pm
Moved from DH 368											

## 0685-500 Hybrid Power Train

Section 3	Full	3.00	LEC	T	11:30	02:20PM	Neal Education Building	1121	Kar, Narayan		
	Full			W	05:00	07:50PM	Centre For Engineering Innovation	2100			

## 0685-500 Controls of Electric Vehicles

Section 5		3.00	LEC	R	06:00	08:50PM	Centre For Engineering Innovation	2100	Ahmed, Ryan		
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Course Section	Credits	Act	Days	Start Time	Stop Time	Bldg/Room	Professor	Exam Time
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## General Engineering

*M.Eng Automotive*

**0685-511 Bluff Body Aerodynamics**

Section 1	3.00	LEC	R	08:30	11:20AM	Centre For Engineering Innovation	2102	Nasif, Ghassan	Dec 18 03:30pm
			R	11:30	01:20PM	Centre For Engineering Innovation	2105B		

for weeks of October 19, 26, Nov. 2, 9, and 16, please book computer lab 2105B

**0685-525 Auto Apps for Noise/Vibration/Harshness**

Section 1	3.00	LEC	M	08:30	11:20AM	Windsor Hall	116	Novak, Colin J	
Section 2	Full 3.00	LEC	T	08:30	11:20AM	Odette Building	B06	Novak, Colin J	

**0685-530 Fundamentals of Automotive Engineering**

Section 1	3.00	LEC	T	05:00	08:50PM	Dillon Hall	355	Iqbal, Muhammad	
Section 2	3.00	LEC	F	05:00	08:50PM	Centre For Engineering Innovation	2101	Iqbal, Muhammad	Owais

**0685-567 Vehicle Thermal Management**

Section 1	3.00	LEC	R	08:30	11:20AM	Odette Building	112	Fartaj, Seyed Amir	Dec 14 03:30pm
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## Civil Engineering

**0687-511 Prestressed Concrete**

Section 1	3.00	LEC	T	06:30	09:20PM	Odette Building	108	Tape, W.	
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**0687-524 Advanced Hydromechanics**

Section 1	3.00	LEC	W	11:30	02:20PM	Chrysler Hall South	263	Carriveau, Edward (rupp)	Dec 14 12:00pm
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**0687-590 Special Topic: Data Mining**

Section 5	3.00	LEC	W	11:30	02:20PM	Centre For Engineering Innovation	2100	Razavi Far, Roozbeh	
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With fast advances in information technology, there has been an explosive growth in our capabilities to generate and collect data in the last decade. How to analyze the large amount of data in an understandable and efficient way remains a challenging problem. Data mining addresses this problem by providing methodologies to automate the analysis and exploration of large complex data sets. This course will cover the basic topics of data analysis and data mining to extract patterns and underlying knowledge from data and transform it into an understandable structure for further use, for instance, in machine learning, predictive analytics, process control, fault diagnosis, monitoring and decision making. In this class, various computational data mining techniques at the intersection of artificial intelligence, machine learning and statistical learning will be introduced and considerable efforts will also be given on their implementation, strengths and weaknesses for different applications. 06-87-590-5, 06-88-590-5, 06-91-590-5 and 06-92-590 are cross listed. Students must have a strong background in mathematics.

Course Section	Credits	Act	Days	Start Time	Stop Time	Bldg/Room	Professor	Exam Time
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**Civil Engineering**

**0687-590 Special Topic: Advanced ITS Methods**

Section 7	3.00	LEC	T	11:30	02:20PM	Erie Hall	2126	Kim, Yong Hoon
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The course will focus on discussing the traffic flow dynamics, vehicle-to-vehicle communications and sensing technologies, and various transportation-based applications on Connected and Autonomous Vehicles (CAVs). The course will introduce the traffic modeling fundamentals, and provide students with a concrete understanding of the transportation side of the CAVs-based system. The goal of this course is to bring the awareness of the emerging technologies and applications in V2V and CAVs. State-of-the-art theories and methodologies developed as well as case studies will be integrated into the curriculum.

**0687-590 Advanced Finite Element Methods**

Section 9	3.00	LEC	M	02:30	05:20PM	Centre For Engineering Innovation	2104	Ghrib, Faouzi	Dec 10 02:00pm
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"This course covers advanced finite element topics. The knowledge of the basics of finite element is a pre-requisite. Familiarity with the material covered in 87-501 or 92-540 is a requirement."

**0687-590 Topic: Intro. to Earthquake Engineering**

Section 22	Full	3.00	LEC					TBA
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The main objective of this course is to introduce the structures that are built near the coasts and offshore. The first part of the course introduces the sea environment - description of waves, tides and currents. The second part will focus on the structures that are built near the coast and in shallow waters. The third part will focus on structures that are built near shore and offshore to extract gas and other resources. The final part of the course will focus on the materials and corrosion protection measures. Since this is an introductory course the focus will be on the description of the different types of structures and preliminary engineering concepts for a few of the structures. Detailed design and analytical derivations will not be part of the course.

**0687-590 Spec. Topic: Advanced Masonry Structures**

Section 33	3.00	LEC	R	05:30	08:20PM	Chrysler Hall North	G100	Zohrehheydari ha, J.
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**0687-590 Design/Structure/Modern Tools/Can. Codes**

Section 41	3.00	LEC	T	02:30	05:20PM	Centre For Engineering Innovation	2191	Polies, W.
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**0687-590 Special Topics: Water Pollution Control**

Section 43	3.00	LEC	T	02:30	05:20PM	Erie Hall	2126	Biswas, Niharendu	Dec 17 07:00pm
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"Water quality criteria; methods of wastewater disposal and their effects on ecology; theory and design of different unit operations and processes for water purification; theory and design of different design operations and processes of wastewater treatment; reuse and recycling of wastewater. cross listed with 06-93-530-1

**0687-590 Sustainability: Principles and Practices**

Section 45	Full	3.00	LEC	M	01:00	03:50PM	Dillon Hall	365	Tam, Edwin	Dec 10 12:00pm
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cross listed with 06-93-550-1

Course Section	Credits	Act	Days	Start Time	Stop Time	Bldg/Room	Professor	Exam Time
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## Civil Engineering

### 0687-590 Topic: Technology Entrepreneurship

Section 46	3.00	LEC	F	01:30	04:20PM	Toldo Health Education Centre 204	Abdulhussein, Ali	Dec 17 03:30pm
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Cross listed with 06-87-590-46, 06-88-590-46, 06-91-590-46 and 06-92-590-46. Are you interested in pursuing an entrepreneurial career? Do you have a brilliant startup idea and want to learn how to start a business? Students in this class will work in multi-disciplinary engineering teams to develop an understanding of how to start a business and turn novel ideas into profit. This course will allow student to develop an understanding of how to start a business. Open to graduate level students who've completed at least three courses in their program

### 0687-796 Major Paper

Section 1	6.00	LEC					Faculty	
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### 0687-797 Thesis

Section 1	18.00	LEC					Faculty	
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### 0687-798 Dissertation

Section 1	12.00	LEC					Faculty	
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## Electrical Engineering

### 0688-514 Advanced Power Systems

Section 1	Full	3.00	LEC	R	02:30	05:20PM	Centre For Engineering Innovation	1101	Kar, Narayan	Dec 10 03:30pm
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### 0688-521 Digital Signal Processing

Section 1		3.00	LEC	T	01:00	03:50PM	Centre For Engineering Innovation	2100	Ahmadi, Majid	Dec 14 03:30pm
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### 0688-523 System Theory

Section 1		3.00	LEC	MW	02:30	03:50PM	Essex Hall	186	Erfani, Shervin	Dec 11 03:30pm
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### 0688-556 Computer Networks

Section 1	Full	3.00	LEC	T	04:00	06:50PM	Centre For Engineering Innovation	2101	Tepe, Kemal E	Dec 12 07:00pm
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### 0688-558 Network Security

Section 1		3.00	LEC	MW	05:30	06:50PM	Toldo Health Education Centre	202	Erfani, Shervin	Dec 19 07:00pm
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### 0688-560 Reconfigurable Computing

Section 1		3.00	LEC	TR	11:30	12:50PM	Centre For Engineering Innovation	2100	Khalid, Mohammed	Dec 8 08:30am
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### 0688-563 Wireless Communication Systems

Section 1		3.00	LEC	MW	11:30	12:50PM	Centre For Engineering Innovation	2104	Abdel-Raheem, Esam	Dec 19 12:00pm
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### 0688-590 Design & Implementation of Neural Network

Section 1	Full	3.00	LEC				Mirhassani, Mitra			
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Course Section	Credits	Act	Days	Start Time	Stop Time	Bldg/Room	Professor	Exam Time
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**Electrical Engineering**

<b>0688-590</b>	<b>Topic: Estimation, Filtering &amp; Tracking</b>							
Section 2	3.00	LEC	W	04:00	06:50PM	Centre For Engineering Innovation	2101 Balasingam, Balakumar	Dec 19 03:30pm

This is a graduate level course designed to provide students with in depth knowledge in Estimation, Filtering and Target Tracking. Engineering applications of this course include autonomous vehicle navigation, localization and self-navigation in robotics, air traffic control, and biomedical signal processing. The focus will be equally on (i) enriching the mathematical background in estimation theory and (ii) developing appreciation for the above practical applications.

<b>0688-590</b>	<b>Advanced Micro and Nano Fabrication Tech</b>							
Section 3	3.00	LEC	T	08:30	11:20AM	Centre For Engineering Innovation	2100 Emadi, Arezoc	Dec 18 08:30am

This course introduces students to the various technologies used in the fabrication of integrated circuits (ICs). Emphasis is on silicon-based devices. Topics include wafer preparation, oxidation, thin film deposition, diffusion and ion implantation, lithography, wet and dry etching, and metallization. The application of these topics to CMOS, Bipolar, and GaAs devices is discussed.

<b>0688-590</b>	<b>Topic: Information Transmission Systems</b>							
Section 4	3.00	LEC	F	04:30	07:20PM	Toldo Health Education Centre	202 Tepe, Kemal E	Dec 18 07:00pm

Information Transmission Systems introduces the field of information technology. In this introductory course, students will learn the channels, storage, transmission, networking, and protection of information. The course will investigate 7-layers in the communication system starting from physical layer up to application layer. The course will be important for students who would like to enhance their understanding in communication systems and continue to take courses in this file in their graduate studies. This course will help them to understand wireless, digital and computer networking courses better. The course will be enhanced with programming projects.

<b>0688-590</b>	<b>Special Topic: Data Mining</b>							
Section 5	3.00	LEC	W	11:30	02:20PM	Centre For Engineering Innovation	2100 Razavi Far, R.	

With fast advances in information technology, there has been an explosive growth in our capabilities to generate and collect data in the last decade. How to analyze the large amount of data in an understandable and efficient way remains a challenging problem. Data mining addresses this problem by providing methodologies to automate the analysis and exploration of large complex data sets. This course will cover the basic topics of data analysis and data mining to extract patterns and underlying knowledge from data and transform it into an understandable structure for further use, for instance, in machine learning, predictive analytics, process control, fault diagnosis, monitoring and decision making. In this class, various computational data mining techniques at the intersection of artificial intelligence, machine learning and statistical learning will be introduced and considerable efforts will also be given on their implementation, strengths and weaknesses for different applications. 06-87-590-5, 06-88-590-5, 06-91-590-5 and 06-92-590 are cross listed. Students must have a strong background in mathematics.

Course Section	Credits	Act	Days	Start Time	Stop Time	Bldg/Room	Professor	Exam Time
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**Electrical Engineering**

**0688-590 Design for Test and Hardware Security**

Section 6	3.00	LEC					Rashidzadeh, Rashid	Dec 18 07:00pm
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Information Transmission Systems introduces the field of information technology. In this introductory course, students will learn the channels, storage, transmission, networking, and protection of information. The course will investigate 7-layers in the communication system starting from physical layer up to application layer. The course will be important for students who would like to enhance their understanding in communication systems and continue to take courses in this file in their graduate studies. This course will help them to understand wireless, digital and computer networking courses better. The course will be enhanced with programming projects.

**0688-590 Applicatn. of Digital Signal Processing**

Section 8	3.00	LEC	R	11:30	02:20PM	Centre For Engineering Innovation	2102 Abdel-Raheem, Esam	
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Review of discrete-time systems. Multirate systems including decimators, interpolators, polyphase decomposition, Nyquist filters, two-channel, and M-channel filter banks. Adaptive filters and their applications in echo cancellation and equalization. Focus would be for equalization techniques for digital receivers, linear and non-linear equalizers, and blind equalization. Analysis of finite wordlength effects are introduced including coefficient quantization, arithmetic round-off errors, dynamic range scaling, and limit cycles.

**0688-590 Adv Energy Stor Sys:Hybrid & Elec Veh.**

Section 30	3.00	LEC	F	08:30	11:20AM		Nazri, G.	Dec 10 08:30am
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Section Offered as an On-Line Only Course  
cross listed with 06-92-590-60

**0688-590 Adv Energy Storage Sys:Hybrid & Elec Veh**

Section 31	3.00	LEC	F	12:30	03:20PM		Nazri, Gholam-abbas	Dec 10 08:30am
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Section Offered as an On-Line Only Course  
Cross listed with 06-92-590(62)

**0688-590 Topic: Technology Entrepreneurship**

Section 46	3.00	LEC	F	01:30	04:20PM	Toldo Health Education Centre	204 Abdulhussein, A.	Dec 17 03:30pm
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Cross listed with 06-87-590-46, 06-88-590-46, 06-91-590-46 and 06-92-590-46. Are you interested in pursuing an entrepreneurial career? Do you have a brilliant startup idea and want to learn how to start a business? Students in this class will work in multi-disciplinary engineering teams to develop an understanding of how to start a business and turn novel ideas into profit. This course will allow student to develop an understanding of how to start a business. Open to graduate level students who've completed at least three courses in their program.

**0688-590 Industrial Control Syst: DCS, SCADA, PLC**

Section 71	3.00	LEC	TR	08:30	09:50AM	Toldo Health Education Centre	100 Kordestani, M.	Dec 15 08:30am
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This course provides the fundamentals of industrial Control Systems (ICS). The subject covers in-depth principles of Distributed Control Systems (DCS), Supervisory Control and Data Acquisition (SCADA), and Programmable Logic Controllers (PLC). Students will undertake project work to design an industrial process automation solution.

cross listed with 06-92-590-71

Course Section	Credits	Act	Days	Start Time	Stop Time	Bldg/Room	Professor	Exam Time
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**Electrical Engineering**

**0688-590 Smart Sensor System & Biomedical Devices**

Section 77	Full	3.00	LEC				Emadi, Tahereh Arezoo	
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**0688-590 Condition Monitoring & Diagnostics**

Section 86		3.00	LEC	F	01:30	04:20PM	Centre For Engineering Innovation	1101 Razavi Far, Roozbeh
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The aim of the course is to provide students with the methodological competences and the computational tools necessary to tackle critical problems in the areas of condition monitoring, diagnostics, prognostics and health management of machine, electromechanical and mechatronic systems and industrial equipment. To this purpose, the course presents proven methods to improve safety, increase efficiency, manage equipment aging and obsolescence and reduce maintenance costs of mechanical systems and industrial equipment. In this course, various computational techniques at the intersection of signal processing, computational intelligence, machine learning and statistical learning for condition monitoring, fault detection, diagnosis and prognosis will be introduced and considerable efforts will also be given on their implementation, strengths and weaknesses for different applications in electromechanical systems, mechatronic devices, machine, rotating machinery: gearbox and bearings, power generation and wind turbines, sensors and actuators, electric motors and drives.

cross listed with 06-91-590-76 & 06-92-590-76

**0688-797 Thesis**

Section 1		18.00	LEC				Faculty	
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**0688-798 Dissertation**

Section 1		12.00	LEC				Faculty	
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**Engineering Materials**

**0689-590 Topic: Ceramics**

Section 12		3.00	LEC	W	01:00	03:50PM	Centre For Engineering Innovation	1193 Northwood, Derek O.
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MENG Students allowed with instructor approval only.

**0689-590 Surface Coating Technology / Automobiles**

Section 26	Full	3.00	LEC				Nie, Xueyuan	
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**0689-590 Topic: Processing of Composite Materials**

Section 31		3.00	LEC	T	05:30	08:20PM	Centre For Engineering Innovation	1102 Barua, R. Dec 11 07:00pm
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: "Composite processing science basic principles. Reinforcement properties; permeability, compaction. Resin properties; curing, viscosity, shrinkage. Heat transfer and cure kinetics; cure cycle optimization. Resin flow; infusion, thickness variations, fiber volume fraction distribution. Mechanical testing methods. Understanding of failure mechanisms based on static, fatigue, impact and other properties. Microstructural consideration. Residual stresses; tool-part interaction, warpage control, spring-back, tool design. Thermoplastic composites; crystallization control, melting and consolidation.

Course Section	Credits	Act	Days	Start Time	Stop Time	Bldg/Room	Professor	Exam Time
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## Engineering Materials

<b>0689-590</b>	<b>Topic: Thermal Treatment of Cast Irons</b>							
Section 32	3.00	LEC	R	09:30	12:20PM	Centre For Engineering Innovation	2103 Sari Sarraf, I.	Dec 18 07:00pm

"In this course, theoretical and practical aspects of various cast irons as well as the effect of various heat treatment regimes will be discussed. Microstructural characteristics and mechanical properties of different cast irons alloys will also be introduced."

<b>0689-590</b>	<b>Phase Transformation/Thermal Treatment</b>							
Section 33	3.00	LEC	M	05:30	08:20PM	Centre For Engineering Innovation	2101 Sari Sarraf, I.	Dec 19 07:00pm

In this course, theoretical aspects of various phase transformations and heat treatments will be discussed. Some advanced heat treatments and thermomechanical processes will also be discussed.

<b>0689-797</b>	<b>Thesis</b>							
Section 1	18.00	LEC					Green, Daniel E.	

<b>0689-798</b>	<b>Dissertation</b>							
Section 1	12.00	LEC					Green, Daniel E.	

## Industrial Engineering

<b>0691-514</b>	<b>Engineering Design, Methodology &amp; Appl.</b>							
Section 40	3.00	LEC	F	06:00	07:20PM	Centre For Engineering Innovation	2103 Baki, F.	

			S	08:30	12:20PM	Centre For Engineering Innovation	2103	
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Reserved for MEM students. This course will be held on Friday evenings and Saturdays.

<b>0691-516</b>	<b>Computer-Aided Design</b>							
Section 1	3.00	LEC	W	05:30	08:20PM	Centre For Engineering Innovation	2105A Saqib, M.	Dec 14 03:30pm

						Centre For Engineering Innovation	2105D	
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"This course will focus on computer-aided methods and applications. The lectures present basic and generic principles and tools, supplemented with significant hands-on practice and engineering applications. Various topics are studied and practiced using CAD/CAE software, such as engineering design and the role of CAD, geometric modelling systems, representation of curves and surfaces, surface modelling, solid modelling and applications, parametric representations, assembly modelling, computer-aided engineering (CAE) and applications, distributed collaborative design, and digital mock-up."

cross listed with: 06-91-516, 06-92-590-9



Course Section	Credits	Act	Days	Start Time	Stop Time	Bldg/Room	Professor	Exam Time
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**Industrial Engineering**

Section 2	3.00	LEC	R	02:30	05:20PM	Centre For Engineering Innovation	2105A Saqib, M.	Dec 14 03:30pm
			R	02:30	05:20PM	Centre For Engineering Innovation	2105D	

"This course will focus on computer-aided methods and applications. The lectures present basic and generic principles and tools, supplemented with significant hands-on practice and engineering applications. Various topics are studied and practiced using CAD/CAE software, such as engineering design and the role of CAD, geometric modelling systems, representation of curves and surfaces, surface modelling, solid modelling and applications, parametric representations, assembly modelling, computer-aided engineering (CAE) and applications, distributed collaborative design, and digital mock-up."

cross listed with: 06-92-590(90)

**0691-523 Product Innovation and Design Management**

Section 1	3.00	LEC	F	07:30	08:50PM	Centre For Engineering Innovation	Schuelke-Leech, Beth-anne	
			S	01:30	05:20PM	Centre For Engineering Innovation		

Course reserved for MEM students. This course will be on Friday evenings and Saturdays in room 1101 CE Bldg.,

**0691-590 Robotics Fundamentals and Programming**

Section 1	3.00	LEC	F	04:30	07:20PM	Centre For Engineering Innovation	1100 Al-Zaher, A.	Dec 15 07:00pm
			F	04:30	07:20PM	Centre For Engineering Innovation	2191	

The course is aimed towards graduate students, preferably with industrial experience, who want to enhance their strategic leadership skills suitable for needs of Assembly of production and manufacturing enterprises. It is particularly for their future roles as a robotics system engineer, making effective decisions in the development of production systems. Students will work in diverse teams on term-long projects, which take them through the full robotics work cell of application of interest. Topics include coordinate frames and transformations, forward and inverse kinematic solutions to open and closed chain manipulators, the Jacobian, dynamics and control, sensors and actuators. In addition, Global Robotic specifications (GRS) will be introduced at high level 1): Communication control/safety of operation/ tooling, 2): Robot rules of process processes and limits, rough cycle time rules. 3): Robot Integration and Programming- Path segments, robot dress, interference zones. 4): Payload data analysis, Robot duty cycle (joint's servomotor life), Cross listed with 06-92-590-1

Course Section	Credits	Act	Days	Start Time	Stop Time	Bldg/Room	Professor	Exam Time
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**Industrial Engineering**

**0691-590 Special Topic: Data Mining**

Section 5	3.00	LEC	W	11:30	02:20PM	Centre For Engineering Innovation	2100	Razavi Far, Roozbeh
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With fast advances in information technology, there has been an explosive growth in our capabilities to generate and collect data in the last decade. How to analyze the large amount of data in an understandable and efficient way remains a challenging problem. Data mining addresses this problem by providing methodologies to automate the analysis and exploration of large complex data sets. This course will cover the basic topics of data analysis and data mining to extract patterns and underlying knowledge from data and transform it into an understandable structure for further use, for instance, in machine learning, predictive analytics, process control, fault diagnosis, monitoring and decision making. In this class, various computational data mining techniques at the intersection of artificial intelligence, machine learning and statistical learning will be introduced and considerable efforts will also be given on their implementation, strengths and weaknesses for different applications. 06-87-590-5, 06-88-590-5, 06-91-590-5 and 06-92-590 are cross listed. Students must have a strong background in mathematics.

**0691-590 Topic: Simulation of Industrial Systems**

Section 25	3.00	LEC	TR	01:00	02:20PM	Centre For Engineering Innovation	1102	Abdul-Kader, Walid	Dec 17 03:30pm
			W	11:30	01:20PM	Centre For Engineering Innovation	2105A		
			W	11:30	01:20PM	Centre For Engineering Innovation	2105B		
			W	11:30	01:20PM	Centre For Engineering Innovation	2105D		
			W	11:30	01:20PM	Centre For Engineering Innovation	2105C		

Cross listed with 92-590-65 & 91-422-1

**0691-590 Topic: Facilities Design and Logistics**

Section 28	Full	3.00	LEC	MW	02:30	03:50PM	Chrysler Hall South	53	Abdul-kader, Walid	Dec 10 07:00pm
	Full			M	09:30	11:30AM	Centre For Engineering Innovation	2105A		
	Full			M	09:30	11:30AM	Centre For Engineering Innovation	2105D		

**0691-590 Topic: Production Analysis**

Section 30	Full	3.00	LEC	TR	11:30	12:50PM	Centre For Engineering Innovation	1101	Zhang, Guoqing	Dec 8 12:00pm
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Cross listed with 06-91-413-1

Course Section	Credits	Act	Days	Start Time	Stop Time	Bldg/Room	Professor	Exam Time
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**Industrial Engineering**

<b>0691-590</b>	<b>Lean Manufacturing &amp; Process Improvement</b>							
Section 34	3.00	LEC	R	05:30	08:20PM	Centre For Engineering Innovation	1100 Khan, S.	Dec 11 07:00pm

This course looks at the evolution of manufacturing and looks at lean manufacturing and process improvement (including the use of tools to improve quality process using Six Sigma). (3 lecture hours per week.)"

cross listed with: 06-92-590-34

<b>0691-590</b>	<b>Topic: Technology Entrepreneurship</b>							
Section 46	Full	3.00	LEC	F	01:30	04:20PM	Toldo Health Education Centre	204 Abdulhussein, Ali

Cross listed with 06-87-590-46, 06-88-590-46, 06-91-590-46 and 06-92-590-46. Are you interested in pursu an entrepreneurial career? Do you have a brilliant startup idea and want to learn how to start a business? Students in this class will work in multi-disciplinary engineering teams to develop an understanding of how to start a business and turn novel ideas into profit. This course will allow student to develop an understanding of how to start a business. Open to graduate level students who've completed at least three courses in their program

<b>0691-590</b>	<b>Condition Monitoring &amp; Diagnostics</b>							
Section 76	3.00	LEC	F	01:30	04:20PM	Centre For Engineering Innovation	1101 Razavi Far, Roozbeh	

The aim of the course is to provide students with the methodological competences and the computational tools necessary to tackle critical problems in the areas of condition monitoring, diagnostics, prognostics and health management of machine, electromechanical and mechatronic systems and industrial equipment. To this purpose, the course presents proven methods to improve safety, increase efficiency, manage equipment aging and obsolescence and reduce maintenance costs of mechanical systems and industrial equipment. In this course, various computational techniques at the intersection of signal processing, computational intelligence, machine learning and statistical learning for condition monitoring, fault detection, diagnosis and prognosis will be introduced and considerable efforts will also be given on their implementation, strengths and weaknesses for different applications in electromechanical systems, mechatronic devices, machine, rotating machinery: gearbox and bearings, power generation and wind turbines, sensors and actuators, electric motors and drives.

cross listed with 06-88-590-86 & 06-92-590-76

<b>0691-590</b>	<b>Statistical Quality Control</b>							
Section 80	3.00	LEC	W	05:30	08:20PM	Centre For Engineering Innovation	1100 Baki, F.	Dec 19 12:00pm

"This course primarily deals with various types of control charts and with various types of acceptance sampling systems and procedures. It provides students with understanding why these methods work, how to interpret results and how to decide which method to use in any particular case. Also, some recent techniques and methodologies in this field will be briefly introduced. (3 lecture hours a week)."

cross listed with 06-92-590-80

<b>0691-796</b>	<b>Major Paper</b>							
Section 1	3.00	LEC					EIMaraghy, Hoda	

Course Section	Credits	Act	Days	Start Time	Stop Time	Bldg/Room	Professor	Exam Time
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## Industrial Engineering

### 0691-797 Thesis

Section 1 18.00 LEC

ElMaraghy,  
Hoda

### 0691-798 Dissertation

Section 1 12.00 LEC

ElMaraghy,  
Hoda

## Mechanical Engineering

### 0692-530 Combustion Engineering

Section 1	3.00	LEC	MW	08:30	09:50AM	Centre For Engineering Innovation	2101	Ting, David S	Dec 12 08:30am
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### 0692-536 Fundamentals of Clean Engine Technology

Section 1	3.00	LEC	R	04:00	06:50PM	Centre For Engineering Innovation	2101	Zheng, Ming	Dec 13 12:00pm
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### 0692-590 Robotics Fundamentals and Programming

Section 1	3.00	LEC	F	04:30	07:20PM	Centre For Engineering Innovation	2191	Al-Zaher, A.	Dec 15 07:00pm
			F	04:30	07:20PM	Centre For Engineering Innovation	1100		

The course is aimed towards graduate students, preferably with industrial experience, who want to enhance their strategic leadership skills suitable for needs of Assembly of production and manufacturing enterprises. It is particularly for their future roles as a robotics system engineer, making effective decisions in the development of production systems. Students will work in diverse teams on term-long projects, which take them through the full robotics work cell of application of interest. Topics include coordinate frames and transformations, forward and inverse kinematic solutions to open and closed chain manipulators, the Jacobian, dynamics and control, sensors and actuators. In addition, Global Robotic specifications (GRS) will be introduced at high level 1): Communication control/safety of operation/ tooling, 2): Robot rules of process processes and limits, rough cycle time rules. 3): Robot Integration and Programming- Path segments, robot dress, interference zones. 4): Payload data analysis, Robot duty cycle (joint's servomotor life), Cross listed with 06-91-590-1

### 0692-590 Special Topic: Data Mining

Section 5	3.00	LEC	W	11:30	02:20PM	Centre For Engineering Innovation	2100	Razavi Far, Roozbeh	Dec 19 07:00pm
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With fast advances in information technology, there has been an explosive growth in our capabilities to generate and collect data in the last decade. How to analyze the large amount of data in an understandable and efficient way remains a challenging problem. Data mining addresses this problem by providing methodologies to automate the analysis and exploration of large complex data sets. This course will cover the basic topics of data analysis and data mining to extract patterns and underlying knowledge from data and transform it into an understandable structure for further use, for instance, in machine learning, predictive analytics, process control, fault diagnosis, monitoring and decision making. In this class, various computational data mining techniques at the intersection of artificial intelligence, machine learning and statistical learning will be introduced and considerable efforts will also be given on their implementation, strengths and weaknesses for different applications. 06-87-590-5, 06-88-590-5, 06-91-590-5 and 06-92-590 are cross listed. Students must have a strong background in mathematics.

Course Section	Credits	Act	Days	Start Time	Stop Time	Bldg/Room	Professor	Exam Time
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## Mechanical Engineering

### 0692-590 Directed Studies: Computer-Aided Design

Section 9	3.00	LEC	W	05:30	08:20PM	Centre For Engineering Innovation	2105A Saqib, Syed Mohammad	Dec 14 03:30pm
			W	05:30	08:20PM	Centre For Engineering Innovation	2105D	

"This course will focus on computer-aided methods and applications. The lectures present basic and generic principles and tools, supplemented with significant hands-on practice and engineering applications. Various topics are studied and practiced using CAD/CAE software, such as engineering design and the role of CAD, geometric modelling systems, representation of curves and surfaces, surface modelling, solid modelling and applications, parametric representations, assembly modelling, computer-aided engineering (CAE) and applications, distributed collaborative design, and digital mock-up."

cross listed with 06-91-516-1

### 0692-590 Topic: Introduction to Nano Engineering

Section 26	3.00	LEC	R	11:30	02:20PM	Erie Hall	2126 Ahamed, Mohammed J	Dec 18 07:00pm
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### 0692-590 Topic: Linear Systems in Mechanics

Section 29	Full 3.00	LEC					Minaker, Bruce P.	
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### 0692-590 Lean Manufacturing & Process Improvement

Section 34	Full 3.00	LEC	R	05:30	08:20PM	Centre For Engineering Innovation	1100 Khan, S.	Dec 11 07:00pm
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cross listed with 06-91-590-34

### 0692-590 Topic: Technology Entrepreneurship

Section 46	3.00	LEC	F	01:30	04:20PM	Toldo Health Education Centre	204 Abdulhussein, Ali	Dec 17 03:30pm
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Cross listed with 06-87-590-46, 06-88-590-46, 06-91-590-46 and 06-92-590-46. Are you interested in pursuing an entrepreneurial career? Do you have a brilliant startup idea and want to learn how to start a business? Students in this class will work in multi-disciplinary engineering teams to develop an understanding of how to start a business and turn novel ideas into profit. This course will allow student to develop an understanding of how to start a business. Open to graduate level students who've completed at least three courses in their program

### 0692-590 Neural Network Appins in Mech. Eng

Section 47	Full 3.00	LEC					Johrendt, Jennifer L.	
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### 0692-590 Aerocoustics/Internal Flows & its Comput

Section 50	Full 3.00	LEC						
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Instructor approval required.

### 0692-590 Adv Energy Stor Sys:Hybrid & Elec Veh.

Section 60	Full 3.00	LEC	F	08:30	11:20AM		Nazri, G.	Dec 10 08:30am
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Section Offered as an On-Line Only Course  
cross listed with 06-88-590-30

# 2018 Fall Graduate Course Offerings

September 24, 2018

11:06:09AM

Course Section	Credits	Act	Days	Start Time	Stop Time	Bldg/Room	Professor	Exam Time
<b>Mechanical Engineering</b>								
<b>0692-590</b>	<b>Production and Inventory Control Systems</b>							
Section 61	3.00	LEC	TR	11:30	12:50PM	Centre For Engineering Innovation	1101 Zhang, Guoqing	Dec 8 12:00pm
<b>0692-590</b>	<b>Adv Energy Storage Sys:Hybrid &amp; Elec Veh</b>							
Section 62	3.00	LEC	F	12:30	03:20PM		Nazri, Gholam-Abbas	Dec 10 08:30am
	Section Offered as an On-Line Only Course cross listed with 06-88-590-31							
<b>0692-590</b>	<b>Topic: Simulation of Industrial Systems</b>							
Section 65	3.00	LEC	TR	01:00	02:20PM	Centre For Engineering Innovation	1102 Abdul-Kader, Walid	Dec 17 03:30pm
			W	11:30	01:20PM	Centre For Engineering Innovation	2105A	
			W	11:30	01:20PM	Centre For Engineering Innovation	2105B	
			W	11:30	01:20PM	Centre For Engineering Innovation	2105D	
			W	11:30	01:20PM	Centre For Engineering Innovation	2105C	
<b>0692-590</b>	<b>Advanced Vehicle Thermal Management</b>							
Section 67	3.00	LEC	R	01:00	03:50PM	Essex Hall	186 Fartaj, Seyed Amir	Dec 14 03:30pm
	cross listed with 06-88-590-38							
<b>0692-590</b>	<b>Industrial Control Syst: DCS, SCADA, PLC</b>							
Section 71	3.00	LEC	TR	08:30	09:50AM	Toldo Health Education Centre	100 Kordestani, Mojtaba	Dec 15 08:30am
	This course provides the fundamentals of industrial Control Systems (ICS). The subject covers in-depth principles of Distributed Control Systems (DCS), Supervisory Control and Data Acquisition (SCADA) and Programmable Logic Controllers (PLC). Students will undertake project work to design an industrial process automation solution.							
	Crosslisted with 06-88-590(71)							

Course Section	Credits	Act	Days	Start Time	Stop Time	Bldg/Room	Professor	Exam Time
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**Mechanical Engineering**

**0692-590 Condition Monitoring & Diagnostics**

Section 76	3.00	LEC	F	01:30	04:20PM	Centre For Engineering Innovation	1101 Razavi Far, Roozbeh	
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The aim of the course is to provide students with the methodological competences and the computational tools necessary to tackle critical problems in the areas of condition monitoring, diagnostics, prognostics and health management of machine, electromechanical and mechatronic systems and industrial equipment. To this purpose, the course presents proven methods to improve safety, increase efficiency, manage equipment aging and obsolescence and reduce maintenance costs of mechanical systems and industrial equipment. In this course, various computational techniques at the intersection of signal processing, computational intelligence, machine learning and statistical learning for condition monitoring, fault detection, diagnosis and prognosis will be introduced and considerable efforts will also be given on their implementation, strengths and weaknesses for different applications in electromechanical systems, mechatronic devices, machine, rotating machinery: gearbox and bearings, power generation and wind turbines, sensors and actuators, electric motors and drives.

cross listed with 06-88-590-86 & 06-91-590-76

**0692-590 Energy Harvesting Systems**

Section 77	3.00	LEC	M	11:30	02:20PM	Centre For Engineering Innovation	2105B Taha, L.	Dec 17 12:00pm
			M	11:30	02:20PM	Centre For Engineering Innovation	2105C	
			M	11:30	02:20PM	Centre For Engineering Innovation	2105D	
			M	11:30	02:20PM	Chrysler Hall South	263	

This course is open to MEng Mechanical Engineering students only. This course presents an in depth description of energy harvesting system in three categories: piezoelectric, electrostatic and electromagnetic harvesters. It includes device modeling, design methodologies of optimizing energy and voltage, design and simulate a complete energy harvesting system, and tuning the energy harvester to improve its efficiency. (3 lecture hours per week).

**0692-590 Statistical Quality Control**

Section 80	3.00	LEC	W	05:30	08:20PM	Centre For Engineering Innovation	1100 Baki, F.	Dec 19 12:00pm
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This course looks at the evolution of manufacturing and looks at lean manufacturing and process improvement (including the use of tools to improve quality process using Six Sigma). (3 lecture hours per week.)"

cross listed with 06-91-590-80

Course Section	Credits	Act	Days	Start Time	Stop Time	Bldg/Room	Professor	Exam Time
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**Mechanical Engineering**

**0692-590 Automotive Fundamentals**

Section 86	3.00	LEC	W	03:00	04:50PM	Neal Education Building	1121	Haggith, D.	Dec 11 08:30am
			M	02:00	04:50PM	Centre for Automotive Research	110		
			M	05:00	07:50PM	Centre for Automotive Research	110		

This course is open to MEng Mechanical Engineering students only.

"Students will be required to attend one, three hour lab section in which the instructor will assign. This course is an overview of primary automotive systems. Engine types and configurations, combustion, emission control, vehicle performance. Powertrain, suspension, frame and chassis. Materials and fabrication issues. Engine and vehicle dissection laboratory. Identification of industry issues and trends."

**0692-590 Practical Finite Element Analysis**

Section 89	Full 3.00	LEC	T	08:30	11:20AM	Centre For Engineering Innovation	2191	Zamani-Kashani, N.	Dec 15 08:30am
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The basic theory of the finite element method is introduced and explained from the intuitive point of view. These fundamentals are then applied to several common problems arising in stress analysis. To reinforce the theoretical concepts, every lecture is followed a hands-on computer laboratory session where the commercial FEA software Catia v5 is utilized by the students.

**0692-590 Computer-Aided Design**

Section 90	3.00	LEC	R	02:30	05:20PM	Centre For Engineering Innovation	2105A	Saqib, Syed Mohammad	Dec 14 03:30pm
			R	02:30	05:20PM	Centre For Engineering Innovation	2105D		

"This course will focus on computer-aided methods and applications. The lectures present basic and generic principles and tools, supplemented with significant hands-on practice and engineering applications. Various topics are studied and practiced using CAD/CAE software, such as engineering design and the role of CAD, geometric modelling systems, representation of curves and surfaces, surface modelling, solid modelling and applications, parametric representations, assembly modelling, computer-aided engineering (CAE) and applications, distributed collaborative design, and digital mock-up."

Cross-listed with 91-516(02)

**0692-590 Topic: Computer-Aided Design**

Section 92	3.00	LEC	T	05:30	08:20PM	Centre For Engineering Innovation	2105A	Saqib, M.	Dec 14 07:00pm
			T	05:30	08:20PM	Centre For Engineering Innovation	2105D		

"This course will focus on computer-aided methods and applications. The lectures present basic and generic principles and tools, supplemented with significant hands-on practice and engineering applications. Various topics are studied and practiced using CAD/CAE software, such as engineering design and the role of CAD, geometric modelling systems, representation of curves and surfaces, surface modelling, solid modelling and applications, parametric representations, assembly modelling, computer-aided engineering (CAE) and applications, distributed collaborative design, and digital mock-up."



Course Section	Credits	Act	Days	Start Time	Stop Time	Bldg/Room	Professor	Exam Time
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**Mechanical Engineering**

**0692-590 Practical Computational Fluid Dynamics**

Section 95	3.00	LEC	F	01:30	04:20PM	Centre For Engineering Innovation	2105A	Jesudhas, V.	Dec 17 12:00pm
			F	01:30	04:20PM	Centre For Engineering Innovation	2105D		
			F	01:30	04:20PM	Centre For Engineering Innovation	1102		
			F	01:30	04:20PM	Centre For Engineering Innovation	2105B		
			F	01:30	04:20PM	Centre For Engineering Innovation	2105C		

An introduction to the Navier-Sokes equations. Numerical solution of governing equations of fluid flow problems. Applications using commercial CFD codes such as Fluent, StarCCM, or OpenFOAM. (3 lecture hours per week).

**0692-590 Practical Multibody Dynamics**

Section 97	3.00	LEC	R	11:30	02:20PM	Centre For Engineering Innovation	2105A	Wei, B.	
			R	11:30	02:20PM	Centre For Engineering Innovation	2105D		
			R	11:30	02:20PM	Centre For Engineering Innovation	2101		

This course is open to MEng Mechanical Engineering students only.

An introduction to the equations of motion of multibody systems. Numerical solution of the governing equations of constrained multibody motion. Applications using commercial codes such as ADAMS, Motionview, Simpack, or DADS. (3 lecture hours per week).

Course Section	Credits	Act	Days	Start Time	Stop Time	Bldg/Room	Professor	Exam Time
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## Mechanical Engineering

### 0692-590 Robotics Fundamentals & Programming

Section 99	3.00	LEC	F	01:30	04:20PM	Centre For Engineering Innovation	2191 Al-Zaher, A.	Dec 19 03:30pm
			F	04:30	07:20PM	Centre For Engineering Innovation	1100	

IMPORTANT: Students enrolled in this section of the course will attend lectures from the first 6 weeks of classes on Friday evenings from 4:30 to 7:20 pm in CEI 1100.

After 6 weeks of classes students will attend the lab section on Fridays from 1:30 pm to 4:20 pm in CEI 219

"The course is aimed towards graduate students, preferably with industrial experience, who want to enhance their strategic leadership skills suitable for needs of Assembly of production and manufacturing enterprises. It is particularly for their future roles as a robotics system engineer, making effective decisions in the development of production systems. Students will work in diverse teams on term-long projects, which take them through the full robotics work cell of application of interest. Topics include coordinate frames and transformations, forward and inverse kinematic solutions to open and closed chain manipulators, the Jacobian, dynamics and control, sensors and actuators. In addition, Global Robotic specifications (GRS) will be introduced at high level 1): Communication control/safety of operation/ tooling, 2): Robot rules of process processes and limits, rough cycle time rules. 3): Robot Integration and Programming- Path segments, robot dress, interference zones. 4): Payload data analysis, Robot duty cycle (joint's servomotor life)."

### 0692-595 MASC Graduate Seminar

Section 1	3.00	LEC	F	11:30	12:20PM	Centre For Engineering Innovation	1101 Stoilov, Vesselin	
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### 0692-695 PHD Graduate Seminar

Section 1	3.00	LEC	F	11:30	12:20PM	Centre For Engineering Innovation	1101 Stoilov, Vesselin	
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### 0692-796 Major Paper

Section 1	3.00	LEC					TBA	
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### 0692-797 Thesis

Section 1	18.00	LEC					TBA	
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### 0692-798 Dissertation

Section 1	12.00	LEC					TBA	
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<i>M.Eng Automotive</i>
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### 0692-590 Automotive Body Structures

Section 27	Full	3.00	LEC	W	06:00	09:00PM	Odette Building	B04	Bhattacharjee, Dec 12 07:00pm
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MEng Auto students only...

Lab in 2105B and C on Oct. 17, 24 and 31 from 6 to 9 pm.

moved from DH 253

Course Section	Credits	Act	Days	Start Time	Stop Time	Bldg/Room	Professor	Exam Time
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## Mechanical Engineering

*M.Eng Automotive*

Section 28	3.00	LEC	R	02:30	05:20PM	Dillon Hall	355	Uddin, Mohammad	Dec 13 07:00pm
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MEng Auto students only...

## Environmental Engineering

### 0693-530 Special Topics: Water Pollution Control

Section 1	3.00	LEC	T	02:30	05:20PM	Erie Hall	2126	Biswas, Niharendu	Dec 17 07:00pm
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"Water quality criteria; methods of wastewater disposal and their effects on ecology; theory and design of different unit operations and processes for water purification; theory and design of different design operations and processes of wastewater treatment; reuse and recycling of wastewater.  
cross listed with 06-87-590-43

### 0693-550 Sustainability: Principles and Practices

Section 1	3.00	LEC	M	01:00	03:50PM	Dillon Hall	365	Tam, Edwin	Dec 10 12:00pm
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cross listed with 06-87-590-45

### 0693-590 Contaminant Fate/Transport /Environment

Section 3	3.00	LEC	W	02:30	05:20PM	Centre For Engineering Innovation	2103	Seth, Rajesh	Dec 15 03:30pm
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### 0693-590 Special Topics: Transport Phenomenia

Section 8	3.00	LEC	M	07:00	09:50PM	Centre For Engineering Innovation	2102	Asfour, Abdul-Fattah A	
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### 0693-590 Fundamentals/ Environmental Engineering

Section 9	3.00	LEC	M	10:00	12:50PM	Centre For Engineering Innovation	2102	Lalman, Jerald	Dec 8 07:00pm
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Course not intended for graduates from a Canadian Environmental or Civil Engineering Program. Introduction to pollutants, natural cycles, natural energy use, human population and consumption, common environmental problems, effects on human health; dimensions of environmental contamination and flow; pollution prevention: waste audits, mass balances (open and closed systems, with and without chemical change), waste reduction, industrial ecology, and design for the environment; conversion of energy and efficiency; energy: world consumption, sources and their potential, environmental effects; occupational health and safety; environmental legislation and sustainability.

### 0693-796 Major Paper

Section 1	6.00	LEC						Faculty	
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### 0693-797 Thesis

Section 1	18.00	LEC						Faculty	
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### 0693-798 Dissertation

Section 1	12.00	LEC						Faculty	
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## Kinesiology

### 0795-500 Sport Leadership

Section 1	3.00	LEC	R	09:00	11:50AM	HK Building	142	Millar, Patricia	Dec 12 08:30am
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Course Section	Credits	Act	Days	Start Time	Stop Time	Bldg/Room	Professor	Exam Time
<b>Kinesiology</b>								
<b>0795-507</b>	<b>Quantitative Analysis in Kinesiology</b>							
Section 1	3.00	LEC	R	01:00	03:50PM	HK Building 142	Mnevin, Nancy H	
<b>0795-508</b>	<b>Strategic Mgt in the Sport Industry</b>							
Section 1	3.00	LEC	T	01:00	03:50PM	HK Building 142	Dixon, Jess C.	
<b>0795-510</b>	<b>Special Problems</b>							
Section 1	3.00	LEC					Dixon, Jess C. Faculty	
	Instructor approval required.							
<b>0795-511</b>	<b>Group Dynamics in Sport and Exercise</b>							
Section 1	3.00	LEC	T	09:00	11:50AM	HK Building 142	Loughead, Todd	
<b>0795-522</b>	<b>Instrumentation/Modeling in Kinesiology</b>							
Section 1	3.00	LEC	M	09:00	11:50AM	HK Building 142	Cort, Joel	
<b>0795-562</b>	<b>Research Methods</b>							
Section 1	3.00	LEC	M	01:00	03:50PM	HK Building 125	Eddy, Terence	Dec 14 03:30pm
<b>0795-595</b>	<b>Topic: Newsroom</b>							
Section 1	3.00	LEC	W	09:00	11:50AM	HK Building 142	Greenham, Craig G	
	Newsroom situates students into a living, breathing newsroom dedicated to journalistic coverage of University of Windsor Lancer varsity athletics. Students will engage in cross-platform content creation (e.g. text-based, audio, audio/visual journalism) that the job market covets. Student-generated content, in its various forms, will be posted on a course-created website. Alternating "newsroom" roles as the term progresses, learners will experience a number of jornalitstic duties that will enhance their abilities and understanding of sport media.							
<b>0795-595</b>	<b>Topic: Nutrition and Chronic Disease</b>							
Section 2	3.00	LEC	W	01:00	03:50PM	HK Building 142	Woodruff Atkinson, Sarah J	
	Nutrition is integral to the etiology, prevention, and treatment of chronic diseases. This course will examine nutritional aspects of key chronic diseases affecting the Canadian population. There will be an opportunity to explore, in depth, specific conditions and aspects of nutritional assessment or intervention that interest them. This course has been designed using case-based/problem-based learning (PBL). Small group discussion and self-directed learning are important aspects of the approach.							
<b>0795-692</b>	<b>Independent Study</b>							
Section 1	Full 3.00	LEC					Faculty	
<b>0795-695</b>	<b>Doctoral Seminar</b>							
Section 1	3.00	LEC					Dixon, Jess C.	
<b>0795-698</b>	<b>Community Internship</b>							
Section 1	3.00	LEC					Dixon, Jess C.	
<b>0795-795</b>	<b>Internship</b>							
Section 1	3.00	LEC					Dixon, Jess C.	
<b>0795-797</b>	<b>Thesis</b>							
Section 1	12.00	LEC					Dixon, Jess C.	

Course Section	Credits	Act	Days	Start Time	Stop Time	Bldg/Room	Professor	Exam Time
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**Kinesiology**

**0795-798 Dissertation Research**

Section 1	12.00	LEC					Dixon, Jess C.	
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**Nursing**

**1163-550 Pathophysiology for Nurse Practitioners**

Section 1	3.00	LEC					Freeman, Laurie	
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Students meet Wednesday online from 6:00 to 9:00 pm.  
Roles starts week one - alternates weekly with Patho.

**1163-552 Primary Care NP Roles & Responsibilities**

Section 1	3.00	LEC					Freeman, Laurie	
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Students meet Wednesday online from 6:00 to 9:00 pm.  
Roles starts week one - alternates weekly with Patho.

**1163-557 Adv Health Assessment and Diagnosis I**

Section 1	Full	4.50	LEC	F	08:30	11:20AM	O'Neil Medical Education Centre	3112	Pittman, Gina M
Section 2		4.50	LEC	F	01:00	03:50PM	O'Neil Medical Education Centre	3112	Morrell, Sherry

**1163-561 Therapeutics in Primary Health Care I**

Section 1	Full	4.50	LEC	F	01:00	03:50PM	O'Neil Medical Education Centre	3106	Brothers, L.
Section 2		4.50	LEC	F	08:30	11:20AM	O'Neil Medical Education Centre	3106	Mcalpine, K.

**1163-580 Environmental Health**

Section 6	3.00	LEC	T	01:00	03:50PM	Toldo Health Education Centre	203	Kane, Deborah J
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This course examines the issues related to the promotion, prevention and restoration of health within the context of a safe and healthy environment. This seminar course will include an exploration of biological, physical, social-political, economic, industrial, organizational and occupational influences on the environment.

**1163-581 Theoretical Foundations of Nursing**

Section 1	Full	3.00	LEC	W	09:00	11:50AM	Memorial Hall	105	Edmunds, Kathryn
Section 2		3.00	LEC	W	05:00	07:50PM	Erie Hall	2126	Freeman-Gibb, Laurie

was in room 3104 Medical Bldg.,

**1163-583 Research Methods in Nursing**

Section 1	3.00	LEC	W	01:30	04:20PM	Toldo Health Education Centre	203	El-Masri, Maher M.
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**1163-594 Community and Population Health**

Section 1	3.00	LEC	T	08:30	11:20AM	O'Neil Medical Education Centre	3104	Thrasher, Christine
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**1163-597 Innovations in Nursing Leadership**

Section 1	3.00	LEC	T	04:30	07:20PM	Toldo Health Education Centre	203	Walsh, V.
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# 2018 Fall Graduate Course Offerings

September 24, 2018

11:06:09AM

Course Section	Credits	Act	Days	Start Time	Stop Time	Bldg/Room	Professor	Exam Time
<b>Nursing</b>								
<b>1163-600</b>	<b>Seminar</b>							
Section 1	3.00	LEC	R	04:00	06:50PM	O'Neil Medical Education Centre	3100 Patrick, Linda .	
<b>1163-610</b>	<b>Philosophy of Science in Nursing</b>							
Section 1	3.00	LEC	R	01:00	03:50PM	O'Neil Medical Education Centre	3100 Pfaff, Kathryn	
<b>1163-620</b>	<b>Adv. Persp../ Quan. Research Meth/Analys</b>							
Section 1	Full 3.00	LEC	R	01:00	03:50PM	O'Neil Medical Education Centre	3110 El-Masri, Maher M.	Dec 11 03:30pm
<b>1163-797</b>	<b>Thesis Option</b>							
Section 1	12.00	LEC					Patrick, Linda .	