

MECHANICAL ENGINEERING		2017-2018 GRADUATE COURSE OFFERINGS (tentative)					2017-July-17			
Course	Course Title	Term	Instructor	Location	Class Start	Class End	Lecture Dates & Time	Notes		
Mech Eng	6B03		TOPICS IN PRODUCT DEVELOPMENT	1	R. AHMED	BSB 137	TBA	TBA	Thursdays, 7:00 PM - 10:00 PM	
Mech Eng	6BB3		BIOMECHANICS	1	G. WOHL	BSB 106				
Mech Eng	6K03		ROBOTICS	1	F. YAN	HSC 1A6				
Mech Eng	6Q03		MECHANICAL VIBRATIONS	1	S. VELDHUIS	MDCL 1102	2017-Sept-05	2017-Dec-05	TuWeFr 12:30 PM - 1:20 PM	
Mech Eng	6T03		FINITE ELEMENT APPLICATIONS	1	P. WU	BSB 136				
Mech Eng	6V03		THERMO-FLUIDS SYSTEMS DESIGN & ANALYSIS	1	C. CHING	KTH B135				
Mech Eng Chem Eng	706		ADVANCED HEAT TRANSFER	1	R. JUDD	JHE 219	2017-Sept-13	2017-Dec-06	Wednesdays, 8:30 AM - 11:30 AM	
Mech Eng	708		TWO-PHASE FLOW AND HEAT TRANSFER	1	J. COTTON	JHE 323	2017-Sept-12	2017-Dec-12	Tuesdays, 1:00 PM - 4:00 PM	
Mech Eng Chem Eng	712		BIO-INSPIRED ENGINEERING	1	T. DIDAR	JHE 219	2017-Sept-14	2017-Dec-05	Tuesdays, 3:00 PM-6:00 PM	
Mech Eng CSE	751		ADVANCED MECHANICAL ENGINEERING CONTROL SYSTEMS	1	G. BONE	JHE 323	2017-Sept-11	2017-Dec-04	Mondays, 1:30 PM-4:30 PM	
Mech Eng	753		ADVANCED FLUID MECHANICS	1	M. HAMED	JHE 219	2017-Sept-21	2017-Dec-21	Thursdays, 8:30 AM-11:30 AM	
Mech Eng	754		MANAGEMENT & CONTROL OF ELECTRIC VEHICLE BATTERIES	1	R. AHMED	TBA	TBA	TBA	TBA	
Mech Eng	762		COMPUTATIONAL MODELING OF CIRCULATORY SYSTEM	1	Z. K. MOTAMED	JHE 219	2017-Sept-11	2017-Dec-18	Mondays, 10:00 AM - 1:00 PM	
Mech Eng	758(1)		GRADUATE SEMINARS IN MECHANICAL ENGINEERING	1	R. L. JUDD	MDCL 1105	2017-Sept-05	2017-Dec-05	Tuesdays, 10:30 AM - 11:30 AM	
Mech Eng	6CC3		EXPERIMENTAL & COMPUTATIONAL BIOMECHANICS	2	C. QUENNEVILLE	ETB 237	TBA	TBA	TBA	
Mech Eng	6L03		INDUSTRIAL DESIGN	2	V. SOWA	HH 305				
Mech Eng	6U03		COMPRESSIBLE FLOW & TURBOMACHINERY	2	S. TULLIS	UH 112				
Mech Eng	6Z03		CAD/CAM/CAE (for Master of Engineering students only)	2	TBA	BSB B135				
Mech Eng	705		ADVANCED FINITE ELEMENT ANALYSIS	2	P. WU	TBA	TBA	TBA	TBA	
Mech Eng Chem Eng	707		ANALYTICAL SOLUTIONS IN TRANSPORT PHENOMENA	2	S. SHANKAR	TBA	TBA	TBA	TBA	
Mech Eng	709		INTRODUCTION TO TURBULENT FLOWS	2	S. TULLIS	JHE 323	2018-Jan-10	2018-Apr-11	Wednesdays, 1:30 PM - 4:30 PM	
Mech Eng	710		MACHINE TOOL ANALYSIS	2	S. VELDHUIS	TBA	TBA	TBA	TBA	
Mech Eng BIOMED	715		BIOMECHANICS OF INJURY & PREVENTION	2	G. WOHL	ETB (TBA)	2018-Jan-08	2018-Apr-09	Mondays, 9:30 AM - 12:30 PM	
Mech Eng BIOMED	717		CURRENT TOPICS IN ORTHOPAEDIC BIOMECHANICS	2	C. QUENNEVILLE	ETB (TBA)	2018-Jan-08	2018-Apr-06	TBA	Organizational mtg in early January 2017
Mech Eng	728		MANUFACTURING PROCESSES I	2	P. KOSHY	TBA	TBA	TBA	TBA	
Mech Eng	729		MANUFACTURING SYSTEMS	2	T. J. NYE	TBA	TBA	TBA	TBA	
Mech Eng	742		FUNDAMENTALS OF ACOUSTICS	2	S. ZIADA	TBA	TBA	TBA	TBA	
Mech Eng	743		ADVANCED MECHATRONICS	2	S. HABIBI	JHE 219	2018-Jan-10	2018-Apr-04	Wednesdays, 12:30 PM-3:30 PM	
Mech Eng Eng Phys 752 Chem Eng 750	752		ADVANCED MEMS FABRICATION AND MICROFLUIDICS	2	R. SELVAGANAPATHY	JHE 219	2018-Jan-09	2018-Apr-10	Tuesdays, 1:00 PM - 4:00 PM	
Mech Eng	755		ADVANCED CONTROL ON INTERNAL COMBUSTION ENGINES	2	F. YAN	TBA	TBA	TBA	TBA	
Mech Eng CSE 756* CSE #719	756		INTRODUCTION TO COMPUTATIONAL FLUID DYNAMICS	2	M. LIGHTSTONE	JHE 323	2018-Jan-11	2018-Apr-26	Thursdays, 10:00 AM - 1:00 PM	
Mech Eng	758(2)		GRADUATE SEMINARS IN MECHANICAL ENGINEERING	2	R. L. JUDD	TBA	TBA	TBA	Wednesdays, 11:30 AM - 12:30 PM	
Mech Eng	6Q03		MECHANICAL VIBRATIONS	not offered	S. VELDHUIS					
Mech Eng	702		ADVANCED DYNAMICS OF MACHINES I	not offered	M. DOKAINISH					
Mech Eng	711		ADVANCED DYNAMICS OF MACHINES II	not offered	M. A. DOKAINISH					
Mech Eng CSE #718	713		COMBUSTION THEORY AND MODELLING	not offered	S. TULLIS					
Mech Eng	714		SOLIDIFICATION PROCESSING	not offered	S. SHANKAR					
Mech Eng Eng Phys	719		MEMS Devices: Design, Fabrication, and Applications	not offered	R. N. KLEIMAN					

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Mech Eng	722 THEORY OF ELASTICITY	not offered	D. S. WEAVER					
Mech Eng	723 FLOW INDUCED VIBRATIONS	not offered	D. S. WEAVER					
Mech Eng CSE	724 SOLID AND SURFACE MODELING TECHNIQUES	not offered	-----					
Mech Eng	734 THEORY OF PLASTICITY	not offered	M. JAIN					
Mech Eng	736 SPECIAL TOPICS IN MECHANICS-Advanced Control on Internal Combustion Engines	not offered	-----					
Mech Eng	737 SPECIAL TOPICS IN THERMO-FLUID SCIENCES	not offered	-----					
Mech Eng	738 MANUFACTURING PROCESSES II	not offered						
Mech Eng	739(2) SPECIAL TOPICS IN PRODUCTION-	not offered	-----					
Mech Eng	745 ANALYTICAL FRACTURE AND DAMAGE MECHANICS	not offered	M. K. JAIN					
Mech Eng	748 EXPERIMENTAL MECHANICS	not offered	D. S. WEAVER					
Mech Eng	750 COMPUTER INTEGRATED MANUFACTURING	not offered	A. SPENCE					