

MECHANICAL ENGINEERING

2017 - 2018 GRADUATE COURSE OFFERINGS

2017-August-28

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	2017-Sep-05	2017-Dec-06	Thursdays, 7:00 PM - 10:00 PM	
Mech Eng	6B03	BIOMECHANICS	1	G. WOHL	BSB 106	2017-Sep-05	2017-Dec-06	Mon,Wed,Thurs, 10:30 AM-11:20 AM	
Mech Eng	6K03	ROBOTICS	1	F. YAN	HSC 1A6	2017-Sep-05	2017-Dec-06	Tues,Thurs,Fri, 11:30 AM - 12:20 PM	
Mech Eng	6Q03	MECHANICAL VIBRATIONS	1	S. VELDHIJS	MDCL 1102	2017-Sep-05	2017-Dec-05	Tues,Wed,Fri, 12:30 PM - 1:20 PM	
Mech Eng	6T03	FINITE ELEMENT APPLICATIONS	1	P. WU	BSB 136	2017-Sep-05	2017-Dec-06	Wednesdays, 7:00 PM - 10:00 PM	
Mech Eng	6V03	THERMO-FLUIDS SYSTEMS DESIGN & ANALYSIS	1	C. CHING	KTH B135	2017-Sep-05	2017-Dec-06	Mon,Wed,Thurs, 1:30 PM - 2:20 PM	
Mech Eng Chem Eng	706	ADVANCED HEAT TRANSFER	1	R. JUDD	JHE 219	2017-Sep-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-Sep-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-Sep-12	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-Sep-11	2017-Dec-04	Mondays, 1:30 PM-4:30 PM	
Mech Eng	753	ADVANCED FLUID MECHANICS	1	M. HAMED	JHE 219	2017-Sep-21	2017-Dec-21	Thursdays,8:30 AM-11:30 AM	
Mech Eng	754	MANAGEMENT & CONTROL OF ELECTRIC VEHICLE BATTERIES	1	R. AHMED	JHE 323	2017-Sep-11	2017-Dec-11	Mondays, 8:30 AM-11:30 AM	
Mech Eng	759	PROTOTYPING TOOLS & METHODS, HARDWARE	1	P. HALE	MARC 269	2017-Sep-12	2017-Dec-31	Tuesdays, 6:30 PM-9:30 PM	
Mech Eng	758(1)	GRADUATE SEMINARS IN MECHANICAL ENGINEERING	1	R. L. JUDD	MDCL 1105	2017-Sep-12	2017-Dec-05	Tuesdays, 10:30 AM - 11:30 AM	
Mech Eng	60C3	EXPERIMENTAL & COMPUTATIONAL BIOMECHANICS	2	C. QUENNEVILLE	ETB 237	2018-Jan-04	2018-Apr-09	Mondays,Thursdays, 12:30 PM -1:20 PM	
Mech Eng	6L03	INDUSTRIAL DESIGN	2	V. SOWA	HH 305	2018-Jan-04	2018-Apr-09	Mondays, 6:30 PM-9:30 PM	
Mech Eng	6U03	COMPRESSIBLE FLOW & TURBOMACHINERY	2	S. TULLIS	UH 112	2018-Jan-04	2018-Apr-09	Mondays,Thursdays, 12:30 PM -1:20 PM	
Mech Eng	6203	CAD/CAM/CAE (for Master of Engineering students only)	2	TBA	BSB B135	2018-Jan-04	2018-Apr-09	Tuesdays, 7:00 PM-10:00 PM	
Mech Eng	705	ADVANCED FINITE ELEMENT ANALYSIS	2	P. WU	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. VELDHIJS	TBA	TBA	TBA	TBA	
Mech Eng	714	SOLIDIFICATION PROCESSING	2	S. SHANKAR	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 SEP 757	759	PROTOTYPING TOOLS & METHODS, HARDWARE	2	TBA	TBA	TBA	TBA	TBA	
Mech Eng	761	INDUSTRIAL COMPONENTS, NETWORKS & INTEROPERABILITY	2	TBA	TBA	TBA	TBA	TBA	
Mech Eng	762	COMPUTATIONAL MODELING OF CIRCULATORY SYSTEM	2	Z. K. MOTAMED	TBA	TBA	TBA	TBA	
Mech Eng	758(2)	GRADUATE SEMINARS IN MECHANICAL ENGINEERING	2	R. L. JUDD	HSC-1A6	TBA	TBA	Wednesdays, 11:30 AM - 12:30 PM	
Mech Eng	6Q03	MECHANICAL VIBRATIONS	not offered	S. VELDHIJS					
Mech Eng	702	ADVANCED DYNAMICS OF MACHINES I	not offered	M. DOKAINISH					
Mech Eng Chem Eng	707	ANALYTICAL SOLUTIONS IN TRANSPORT PHENOMENA	not offered	S. SHANKAR					
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					
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					