COLLEGE : J - Engineering
DEPARTMENT: AERONAUTICAL & ASTRO

CURRIC	COURSE NUM	TITLE	EFFECTIVE QUARTERS	QUARTER CREDITS	OVER-ALL MAX	DUP	GRD SYS	DED	HYPH	SUM	HNR	FEE	VLPA	I&S	ELNW	ECTM	EPQS	WRTNG	RESPONS COURSE	JOINT COURSES	OMIT
A A	101	AIR/SPACE VEHICLES AIR AND SPACE VEHICLES	AUT/1997 - AUT/9999	5.0		.		.		.	.	Y		.	Y	.	.	.			.
					LAST UPDT: 7/22/04 APPROVED: 2/14/97																
					FEE TYPE:1 $25.00 BUDGET:069310 REV OBJ CD:943081																
A A	198	SPECIAL TOPICS SPECIAL TOPICS IN AERONAUTICS AND ASTRONAUTICS	SUM/2009 - AUT/9999	1.0-05.0	10.0	.		.		.	.	.		.	Y	.	.	.			.
					LAST UPDT: 4/21/09 APPROVED: 4/21/09																
A A	210	ENGR STATICS ENGINEERING STATICS	WIN/2013 - AUT/9999	4.0		.		.		.	.	.		.	Y	.	.	.			.
					LAST UPDT:12/05/12 APPROVED: 3/15/99																
		COMMENT:EMAIL PREQ CHG																			
A A	260	THERMODYNAMICS THERMODYNAMICS	WIN/2013 - AUT/9999	4.0		.		.		.	.	.		.	Y	.	.	.			.
					LAST UPDT:12/05/12 APPROVED: 2/23/96																
		COMMENT:EMAIL PREQ CHG																			
A A	299	UNDERGRAD RESEARCH UNDERGRADUATE RESEARCH	WIN/2007 - AUT/9999	1.0-05.0	10.0	.	CR/NC	.		.	.	.		.	.	.	.	.			.
					LAST UPDT:11/14/06 APPROVED:11/14/06																
A A	301	COMP AERODYNAMICS COMPRESSIBLE AERODYNAMICS	SUM/2013 - AUT/9999	4.0		.		.		.	.	.		.	.	.	.	.			.
					LAST UPDT: 6/05/13																
		COMMENT:CHG DESC, PREQ																			
A A	302	INCOMP AERODYNAMICS INCOMPRESSIBLE AERODYNAMICS	SPR/2013 - AUT/9999	4.0		.		.		.	.	.		.	.	.	.	.			.
					LAST UPDT: 6/05/13																
		COMMENT:EMAIL PREQ CHG																			
A A	310	ORB SPACE FLIGHT ORBITAL AND SPACE FLIGHT MECHANICS	AUT/2000 - AUT/9999	4.0		.		.		.	.	.		.	.	.	.	.			.
					LAST UPDT: 2/28/00 APPROVED: 5/06/71																
		COMMENT:CD PROOF PREREQ CHANGE																			
A A	311	ATM FLIGHT MECH ATMOSPHERIC FLIGHT MECHANICS	AUT/2000 - AUT/9999	4.0		.		.		.	.	.		.	.	.	.	.			.
					LAST UPDT:10/02/06 APPROVED: 6/03/71																
		COMMENT:EMAIL PREREQ CHANGE																			

COLLEGE : J - Engineering
DEPARTMENT: AERONAUTICAL & ASTRO

CURRIC	COURSE NUM	TITLE	EFFECTIVE QUARTERS	QUARTER CREDITS	OVER -ALL MAX	DUP	GRD SYS	DED	HYPH	SUM	HNR	FEE	VLPA	IAS	NW	EECT	LMP	CQS	WRTNG	RESPONS COURSE	JOINT COURSES	OMIT
A A	312	STRUCT VIBRATIONS STRUCTURAL VIBRATIONS	AUT/2000 - AUT/9999	4.0		.		.		.	.	.	.	.	.	.	.	.	.			.
										LAST UPDT: 2/28/00 APPROVED: 7/29/71												
		COMMENT:CD PROOF PREREQ CHANGE																				
A A	320	AEROSPACE INSTR AEROSPACE INSTRUMENTATION	SUM/2013 - AUT/9999	3.0		.		.		.	.	Y	.	.	.	.	.	.	.			.
										LAST UPDT: 6/13/13 APPROVED: 5/22/63												
		COMMENT:CHG DESC						FEE TYPE:1 $15.00 BUDGET:069310 REV OBJ CD:943081														
A A	321	AEROSPACE LAB I AEROSPACE LABORATORY I	WIN/2002 - AUT/9999	3.0		.		.		.	.	Y	.	.	.	.	.	.	.			.
										LAST UPDT:10/26/10 APPROVED: 5/23/63												
		COMMENT:CHANGE TITLES, CREDITS						FEE TYPE:1 $15.00 BUDGET:069310 REV OBJ CD:943081														
A A	322	AEROSPACE LAB II AEROSPACE LABORATORY II	SUM/2013 - AUT/9999	3.0		.		.		.	.	Y	.	.	.	.	.	.	.			.
										LAST UPDT: 6/13/13 APPROVED: 5/23/63												
		COMMENT:CHG DESC						FEE TYPE:1 $15.00 BUDGET:069310 REV OBJ CD:943081														
A A	330	STRUCTRL ANLYS I STRUCTURAL ANALYSIS I	AUT/1996 - AUT/9999	4.0		.		.		.	.	.	.	.	.	.	.	.	.			.
										LAST UPDT: 4/02/97												
		COMMENT:CHANGE DESCRIPTION																				
A A	331	AEROSPACE STRUCT I AEROSPACE STRUCTURES I	SUM/2013 - AUT/9999	4.0		.		.		.	.	.	.	.	.	.	.	.	.			.
										LAST UPDT: 6/13/13												
		COMMENT:CHG DESC																				
A A	332	AEROSPACE STRUCT II AEROSPACE STRUCTURES II	SUM/2013 - AUT/9999	4.0		.		.		.	.	.	.	.	.	.	.	.	.			.
										LAST UPDT: 6/13/13												
		COMMENT:CHG DESC																				
A A	360	PROPULSION PROPULSION	SPR/2013 - AUT/9999	4.0		.		.		.	.	.	.	.	.	.	.	.	.			.
										LAST UPDT: 2/14/13 APPROVED:12/30/98												
		COMMENT:EMAIL PREQ CHG																				
A A	370	INTRO APPLIED ANLYS INTRODUCTION TO APPLIED ANALYSIS	SPR/1996 - AUT/9999	3.0		.		.		.	.	.	.	.	.	.	.	.	.			.
										LAST UPDT:11/03/97 APPROVED: 9/18/69												
		COMMENT:CHANGE DESCRIPTION																				

COLLEGE : J - Engineering
DEPARTMENT: AERONAUTICAL & ASTRO

CURRIC	COURSE NUM	TITLE	EFFECTIVE QUARTERS	QUARTER CREDITS	OVER -ALL MAX	DUP	GRD SYS	DED	HYPH	SUM	HNR	FEE	VLPA	IS	NW	ELECT	ECMP	QSR	WRTNG	RESPONS COURSE	JOINT COURSES	OMIT
A A	400	GAS DYNAMICS GAS DYNAMICS	WIN/2010 - AUT/9999	3.0		.		.		.	.	.	.	.	.	.	.	.	.			.
					LAST UPDT: 3/24/10																	
		COMMENT:10-12 PREQ CHG																				
A A	401	FLUID MECHANICS FLUID MECHANICS	WIN/1984 - AUT/9999	3.0		.		.		.	.	.	.	.	.	.	.	.	.			.
					LAST UPDT:10/02/06																	
		COMMENT:CHANGE DESCRIPTION																				
A A	402	FLUID MECHANICS FLUID MECHANICS	SUM/2013 - AUT/9999	3.0		.		.		.	.	.	.	.	.	.	.	.	.			.
					LAST UPDT: 6/05/13																	
		COMMENT:CHG DESC																				
A A	405	AEROSPACE PLASMAS INTRODUCTION TO AEROSPACE PLASMAS	AUT/2000 - AUT/9999	3.0		.		.		.	.	.	.	.	.	.	.	.	.			.
					LAST UPDT: 2/28/00																	
		COMMENT:CD PROOF PREREQ CHANGE																				
A A	406	PLASMA PROC GAS DCH GAS DISCHARGES FOR PLASMA PROC & OTH APPLICATIONS	WIN/2000 - AUT/9999	3.0		.		.		.	.	.	.	.	.	.	.	.	.			.
					LAST UPDT:10/02/06 APPROVED: 6/01/99																	
		COMMENT:WAS ENGR 450																				
A A	409	COMPUTER TOOLS COMPUTER TOOLS FOR AEROSPACE ENGINEERS	AUT/2007 - AUT/9999	2.0		.		.		.	.	.	.	.	.	.	.	.	.			.
					LAST UPDT: 5/16/07 APPROVED:12/30/98																	
		COMMENT:CHG TITLES																				
A A	410	AIRCRAFT DESIGN I AIRCRAFT DESIGN I	WIN/1991 - AUT/9999	4.0		.		.	12	.	.	Y	.	.	.	.	.	.	.			.
					LAST UPDT:10/26/10																	
					FEE TYPE:1 $50.00 BUDGET:069310 REV OBJ CD:943081																	
A A	411	AIRCRAFT DESIGN II AIRCRAFT DESIGN II	AUT/2000 - AUT/9999	4.0		.		.	22	.	.	Y	.	.	.	.	.	.	.			.
					LAST UPDT:10/26/10																	
		COMMENT:EMAIL PREREQ CHANGE			FEE TYPE:1 $50.00 BUDGET:069310 REV OBJ CD:943081																	
A A	419	AEROSPACE HEAT TSFR AEROSPACE HEAT TRANSFER	AUT/2000 - AUT/9999	3.0		.		.		.	.	.	.	.	.	.	.	.	.			.
					LAST UPDT: 2/28/00 APPROVED:12/06/91																	
		COMMENT:CD PROOF PREREQ CHANGE																				

COLLEGE : J - Engineering
DEPARTMENT: AERONAUTICAL & ASTRO

CURRIC	COURSE NUM	TITLE	EFFECTIVE QUARTERS	QUARTER CREDITS	OVER-ALL MAX	DUP	GRD SYS	DED	HYPH	SUM	HNR	FEE	VLPA	I&S	NW	EECT	LMP	CQS	WRTNG	RESPONS COURSE	JOINT COURSES	OMIT
A A	420	SPACE SYS DESIGN I SPACECRAFT AND SPACE SYSTEMS DESIGN I	WIN/1994 - AUT/9999	4.0		.		.	12		.	Y										.
		LAST UPDT:10/26/10 APPROVED: 6/28/79																				
		COMMENT:CHANGE DESCRIP, PREREQUISITES	FEE TYPE:1 $50.00 BUDGET:069310 REV OBJ CD:943081																			
A A	421	SPACE SYS DESIGN II SPACECRAFT AND SPACE SYSTEM DESIGN II	AUT/2000 - AUT/9999	4.0		.		.	22		.	Y										.
		LAST UPDT:10/26/10 APPROVED:10/27/89																				
		COMMENT:EMAIL PREREQ CHANGE	FEE TYPE:1 $50.00 BUDGET:069310 REV OBJ CD:943081																			
A A	430	FINTE ELEMENT ANALYS FINITE ELEMENT ANALYSIS IN AEROSPACE	AUT/2009 - AUT/9999	3.0		.		.														.
		LAST UPDT: 6/15/09																				
		COMMENT:CHG TITLES																				
A A	431	PLATES AND SHELLS PLATES AND SHELLS	WIN/1976 - AUT/9999	3.0		.		.														.
		LAST UPDT: 4/03/97																				
		COMMENT:CHANGE DESCRIPTION																				
A A	432	AERO COMPOSITES COMPOSITE MATERIALS FOR AEROSPACE STRUCTURES	AUT/2000 - AUT/9999	3.0		.		.														.
		LAST UPDT: 2/28/00 APPROVED: 2/23/89																				
		COMMENT:EMAIL PREREQ CHANGE																				
A A	440	FLIGHT MECH I FLIGHT MECHANICS I	AUT/1966 - AUT/9999	3.0		.		.														.
		LAST UPDT: 3/24/10																				
A A	441	FLIGHT TEST ENGR FLIGHT TEST ENGINEERING	AUT/2010 - AUT/9999	3.0		.		.			.	Y										.
		LAST UPDT: 3/24/10																				
		COMMENT:10-12 PREQ CHG	FEE TYPE:1 $45.00 BUDGET:069310 REV OBJ CD:943081																			
A A	447	CONT IN AEROSP CONTROL IN AEROSPACE SYSTEMS	SUM/2013 - AUT/9999	4.0		.		.														.
		LAST UPDT: 6/05/13																				
		COMMENT:CHG DESC																				
A A	448	CTRL SYS SEN & ACT CONTROL SYSTEMS SENSORS AND ACTUATORS	AUT/2005 - AUT/2013	3.0		.		.			.	Y								E E	448 E E 448	.
		LAST UPDT: 1/16/13 APPROVED:12/06/93																				
		COMMENT:CHANGE PREREQUISITE	FEE TYPE:1 $45.00 BUDGET:069330 REV OBJ CD:943081																			

COLLEGE : J - Engineering
DEPARTMENT: AERONAUTICAL & ASTRO

CURRIC	COURSE NUM	TITLE	EFFECTIVE QUARTERS	QUARTER CREDITS	OVER-ALL MAX	DUP	GRD SYS	DED	HYPH	SUM	HNR	FEE	VLPA	IS	NW	ELECT	ECMP	QSR	WRTNG	RESPONS COURSE	JOINT COURSES	OMIT
A A	448	CTRL SYS SEN & ACT CONTROL SYSTEMS SENSORS AND ACTUATORS	WIN/2014 - AUT/9999	3.0		.		.	.	.	.	Y	.	.	.	.	.	.	.			.
		LAST UPDT: 6/05/13 APPROVED:12/06/93																				
		COMMENT:DROP JT STATUS, CHG PREQ, DESC FEE TYPE:1 $45.00 BUDGET:069330 REV OBJ CD:943081																				
A A	449	SPCL TOPIC IN CNTRL SPECIAL TOPICS IN CONTROLS	SPR/2013 - AUT/9999	3.0-05.0	5.0	.		.	.	.	.	.	.	.	.	.	.	.	.			.
		LAST UPDT: 1/16/13 APPROVED: 1/15/13																				
A A	461	ADV AIRBREATH PROPL ADVANCED AIR BREATHING PROPULSION	SUM/2013 - AUT/9999	3.0		.		.	.	.	.	.	.	.	.	.	.	.	.			.
		LAST UPDT: 6/05/13																				
		COMMENT:CHG DESC																				
A A	462	ROCKET PROPULSION ROCKET PROPULSION	SUM/2011 - AUT/9999	3.0		.		.	.	.	.	.	.	.	.	.	.	.	.			.
		LAST UPDT: 5/16/11 APPROVED:10/27/89																				
		COMMENT:CHG DESC																				
A A	470	SYSTEMS ENGINEERING SYSTEMS ENGINEERING	AUT/2007 - AUT/9999	4.0		.		.	.	.	.	.	.	.	.	.	.	.	.	IND E 470	IND E 470	.
		LAST UPDT: 6/26/07 APPROVED: 6/01/99																				
		COMMENT:WAS A A 280, CHG TLS, PRQ,DESC																				
A A	480	SYSTEMS DYNAMICS SYSTEMS DYNAMICS	AUT/2000 - AUT/9999	3.0		.		.	.	.	.	.	.	.	.	.	.	.	.			.
		LAST UPDT: 2/28/00																				
		COMMENT:EMAIL PREREQ CHANGE																				
A A	481	AEROELASTICITY INTRODUCTION TO AEROELASTICITY	SPR/1994 - AUT/9999	3.0		.		.	.	.	.	.	.	.	.	.	.	.	.			.
		LAST UPDT: 4/03/97																				
		COMMENT:CHANGE DESCRIPTION																				
A A	482	AERO ACOUSTICS AERONAUTICAL ACOUSTICS	AUT/1972 - AUT/9999	3.0		.		.	.	.	.	.	.	.	.	.	.	.	.			.
		LAST UPDT: 4/03/97 APPROVED: 4/27/72																				
A A	496	UNDERGRAD SEMINAR UNDERGRADUATE SEMINAR	SPR/2009 - AUT/9999	1.0	4.0	.	CR/NC	.	.	.	.	.	.	.	.	.	.	.	.			.
		LAST UPDT: 3/18/09 APPROVED:11/14/06																				
		COMMENT:CHG MAX CREDITS																				

COLLEGE : J - Engineering
DEPARTMENT: AERONAUTICAL & ASTRO

CURRIC	COURSE NUM	TITLE	EFFECTIVE QUARTERS	QUARTER CREDITS	OVER -ALL MAX	DUP	GRD SYS	DED	HYPH	SUMR	HNRE	FE	VLPA	I&S	NW	ELECT	ECMP	QSR	WRTNG	RESPONS COURSE	JOINT COURSES	OMIT
A A	497	AERO INDUSTRY TOUR AEROSPACE INDUSTRY TOUR	SPR/2003 - AUT/9999	1.0	2.0	.	CR/NC	.	.	.	.	.	.	.	.	.	.	.	.			.
		LAST UPDT: 3/19/03 APPROVED: 6/28/00																				
		COMMENT:CORRECTION-ADD MAX CREDITS																				
A A	498	SPECIAL TOPICS SPECIAL TOPICS	WIN/2007 - AUT/9999	1.0-05.0	15.0	Y		.	.	.	.	.	.	.	.	.	.	.	.			.
		LAST UPDT:11/14/06 APPROVED: 6/25/81																				
		COMMENT:CHG CREDITS, TITLES																				
A A	499	UNDERGRAD RESEARCH UNDERGRADUATE RESEARCH	SPR/2006 - AUT/9999	1.0-05.0	10.0	Y		.	.	.	.	.	.	.	.	.	.	.	.			.
		LAST UPDT: 3/21/06																				
		COMMENT:CHG TITLES, DESCR																				
A A	501	PHYS GASDYNMCS I PHYSICAL GASDYNAMICS I	WIN/1984 - AUT/9999	3.0	.			.	.	.	.	.	.	.	.	.	.	.	.			.
		LAST UPDT: 4/03/97																				
		COMMENT:CHANGE DESCRIPTION																				
A A	502	PHYS GASDYNMCS II PHYSICAL GASDYNAMICS II	WIN/1984 - AUT/9999	3.0	.			.	.	.	.	.	.	.	.	.	.	.	.			.
		LAST UPDT: 4/03/97																				
		COMMENT:CHANGE DESCRIPTION																				
A A	503	CONTINUUM MECH CONTINUUM MECHANICS	AUT/2009 - AUT/9999	3.0	.			.	.	.	.	.	.	.	.	.	.	.	.	A A 503	M E 503	.
		LAST UPDT: 4/20/09																				
		COMMENT:CHG JT STATUS,WAS A A 575, DSC																				
A A	504	COMP FLUID MECH COMPRESSIBLE FLUID MECHANICS	AUT/2009 - AUT/9999	3.0	.			.	.	.	.	.	.	.	.	.	.	.	.			.
		LAST UPDT: 4/20/09																				
		COMMENT:CHG TITLES, PREQ, DESC																				
A A	505	FLD MECH INVI FL I FLUID MECHANICS OF INVISCID FLOW I	WIN/1984 - AUT/9999	3.0	.			.	.	.	.	.	.	.	.	.	.	.	.			.
		LAST UPDT: 4/03/97																				
		COMMENT:CHANGE DESCRIP, PREREQUISITES																				
A A	506	VORTEX-DOMIN FLOWS VORTEX-DOMINATED FLOWS	AUT/2009 - AUT/9999	3.0	.			.	.	.	.	.	.	.	.	.	.	.	.			.
		LAST UPDT: 4/20/09 APPROVED: 5/20/08																				
		COMMENT:CHG PREQ																				

COLLEGE : J - Engineering
DEPARTMENT: AERONAUTICAL & ASTRO

CURRIC	COURSE NUM	TITLE	EFFECTIVE QUARTERS	QUARTER CREDITS	OVER -ALL MAX	DU P	GRD SYS	DED	HYPH	SUM	HNR	FEE	VLPA	I&S	NW	ELECT	ECMP	QSR	WRTNG	RESPONS COURSE	JOINT COURSES	OMIT
A A	507	FLUID MECHANICS FLUID MECHANICS	SUM/2012 - AUT/9999	3.0		.		.		.	.	.	.	.	.	.	.	.	.	A A 507	M E 507	.
					LAST UPDT: 1/23/12																	
		COMMENT:EMAIL PREQ CHG																				
A A	508	TURBULANCE TURBULENCE	AUT/2010 - AUT/9999	3.0		.		.		.	.	.	.	.	.	.	.	.	.			.
					LAST UPDT: 8/25/10																	
		COMMENT:CHG TITLES, PREQ																				
A A	509	CFD I COMPUTATIONAL FLUID DYNAMICS	AUT/2005 - AUT/9999	3.0		.		.		.	.	.	.	.	.	.	.	.	.			.
					LAST UPDT: 3/28/05 APPROVED: 6/23/83																	
		COMMENT: SEE A A 543																				
A A	510	MATH FOUND SYST THR MATHEMATICAL FOUNDATIONS OF SYSTEMS THEORY	AUT/2005 - AUT/9999	4.0		.		.		.	.	.	.	.	.	.	.	.	.	E E 510	E E 510	.
					LAST UPDT: 9/28/09																CHEM E 510	
		COMMENT:WAS A A 546																			M E 510	
A A	513	GAS LASERS GAS LASER THEORY AND PRACTICE	SPR/1996 - AUT/9999	3.0		.		.		.	.	.	.	.	.	.	.	.	.			.
					LAST UPDT: 4/03/97 APPROVED: 3/18/71																	
		COMMENT:CHANGE DESCRIPTION																				
A A	516	STAB & CON FLT VEH STABILITY AND CONTROL OF FLIGHT VEHICLES	AUT/1998 - AUT/9999	3.0		.		.		.	.	.	.	.	.	.	.	.	.			.
					LAST UPDT:12/23/97																	
		COMMENT:CHANGE DESCRIPTION																				
A A	518	AUTO CON FLT VEH AUTOMATIC CONTROL OF FLIGHT VEHICLES	SPR/1998 - AUT/9999	3.0		.		.		.	.	.	.	.	.	.	.	.	.			.
					LAST UPDT:12/23/97																	
		COMMENT:CHANGE DESCRIP, PREREQ																				
A A	520	SEMINAR SEMINAR	AUT/1997 - AUT/9999	1.0	10.0	.	CR/NC	.	13	.	.	.	.	.	.	.	.	.	.			.
					LAST UPDT: 5/30/97																	
		COMMENT:CHANGE PREREQUISITE																				
A A	523	SPEC TPC FLUID PHYS SPECIAL TOPICS IN FLUID PHYSICS	WIN/1975 - AUT/9999	3.0		.		.		.	.	.	.	.	.	.	.	.	.			.
					LAST UPDT: 4/03/97																	

COLLEGE : J - Engineering
DEPARTMENT: AERONAUTICAL & ASTRO

CURRIC	COURSE NUM	TITLE	EFFECTIVE QUARTERS	QUARTER CREDITS	OVER-ALL MAX	DUP	GRD SYS	DED	HYPH	SUM	HNR	FEE	VLPA	IAS	NW	ELECT	ECMP	QSR	WRTNG	RESPONS COURSE	JOINT COURSES	OMIT
A A	524	AEROACOUSTICS AEROACOUSTICS	AUT/2009 - AUT/9999	3.0		.		.		.	.	.	.	.	.	.	.	.	.			.
		LAST UPDT: 4/20/09 APPROVED: 5/29/92																				
		COMMENT:CHG TITLES, DESC																				
A A	525	SPECIAL TOPICS SPECIAL TOPICS IN ADVANCED AIRBREATHING ENGINES	AUT/2009 - AUT/9999	3.0		.		.		.	.	.	.	.	.	.	.	.	.			.
		LAST UPDT:10/12/09																				
		COMMENT:CHG TITLES, DESC																				
A A	526	AERO ENGINE SYSTEM AEROTHERMODYNAMICS OF AIRCRAFT ENGINE SYSTEMS	AUT/1992 - AUT/9999	3.0		.		.		.	.	.	.	.	.	.	.	.	.			.
		LAST UPDT:10/02/06 APPROVED: 5/29/92																				
		COMMENT:WAS A A 524																				
A A	527	SPACE POWER SYSTEM SPACE POWER SYSTEMS	WIN/2009 - AUT/9999	3.0		.		.		.	.	.	.	.	.	.	.	.	.			.
		LAST UPDT: 1/21/09 APPROVED: 1/20/09																				
A A	528	SPACE DYN & CONTROL SPACECRAFT DYNAMICS AND CONTROL	WIN/2008 - AUT/9999	3.0		.		.		.	.	.	.	.	.	.	.	.	.			.
		LAST UPDT:10/30/07 APPROVED:10/30/07																				
A A	529	SPACE PROPULSION SPACE PROPULSION	AUT/1972 - AUT/9999	3.0		.		.		.	.	.	.	.	.	.	.	.	.			.
		LAST UPDT: 4/03/97 APPROVED: 9/18/69																				
A A	530	MECHANICS OF SOLIDS MECHANICS OF SOLIDS	AUT/1989 - AUT/9999	3.0		.		.		.	.	.	.	.	.	.	.	.	.			.
		LAST UPDT: 4/03/97																				
		COMMENT:CHANGE DESCRIPTION																				
A A	531	INTEG MET STRUCT INTEGRITY OF METALLIC AIRCRAFT STRUCTURES	AUT/2009 - AUT/9999	3.0		.		.		.	.	.	.	.	.	.	.	.	.			.
		LAST UPDT: 4/20/09																				
		COMMENT:CHG TITLES, DESC																				
A A	532	MECH COMP MATERIALS MECHANICS OF COMPOSITE MATERIALS	WIN/2012 - AUT/9999	3.0		.		.		.	.	.	.	.	.	.	.	.	.			.
		LAST UPDT:12/08/11																				
		COMMENT:EMAIL PREQ CHG																				

COLLEGE : J - Engineering
DEPARTMENT: AERONAUTICAL & ASTRO

CURRIC	COURSE NUM	TITLE	EFFECTIVE QUARTERS	QUARTER CREDITS	OVER-ALL MAX	DUP	GRD SYS	DED	HYPH	SUM	HNR	FEE	VLPA	IAS	NW	ELECT	ECMP	QSR	WRTNG	RESPONS COURSE	JOINT COURSES	OMIT
A A	533	MTRLS &PROCESS TECH	WIN/2012 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.			.
		MATERIALS AND PROCESSING TECHNOLOGY OF AEROSPACE COMPOSITES																				
					LAST UPDT:12/08/11			APPROVED: 1/18/11														
		COMMENT:EMAIL PREQ CHG																				
A A	534	COMPOSITE STRUCT	WIN/2012 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.			.
		INTEGRITY OF COMPOSITE AIRCRAFT STRUCTURES																				
					LAST UPDT:12/08/11			APPROVED: 9/15/09														
		COMMENT:EMAIL PREQ CHG																				
A A	535	ADV COMPOSITE STRUC	SPR/2012 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	A A 535	M E 500	.
		ADVANCED COMPOSITE STRUCTURAL ANALYSIS																				
					LAST UPDT: 2/29/12			APPROVED: 2/28/12														
A A	538	STRUCTURAL OPTIM	SUM/2008 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.			.
		INTRODUCTION TO STRUCTURAL OPTIMIZATION																				
					LAST UPDT: 5/21/08			APPROVED: 5/20/08														
A A	540	FINITE ELM ANLYS I	WIN/1984 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.			.
		FINITE ELEMENT ANALYSIS I																				
					LAST UPDT: 4/03/97																	
		COMMENT:CHANGE DESCRIPTION																				
A A	541	FINITE ELM ANLYS II	WIN/1984 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.			.
		FINITE ELEMENT ANALYSIS II																				
					LAST UPDT: 4/03/97																	
		COMMENT:CHANGE DESCRIPTION																				
A A	543	CFD	AUT/2010 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.			.
		COMPUTATIONAL FLUID DYNAMICS																				
					LAST UPDT: 8/25/10																	
		COMMENT:CHG TITLES, DESC																				
A A	544	TURBULENCE MODELING	AUT/2010 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.			.
		TURBULENCE MODELING AND SIMULATION																				
					LAST UPDT: 3/07/11			APPROVED: 6/23/83														
		COMMENT:CHG TITLES, DESC, PREQ																				
A A	545	COMP MTHDS PLASMAS	SPR/2007 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.			.
		COMPUTATIONAL METHODS FOR PLASMAS																				
					LAST UPDT:12/13/06			APPROVED:12/13/06														

COLLEGE : J - Engineering
DEPARTMENT: AERONAUTICAL & ASTRO

CURRIC	COURSE NUM	TITLE	EFFECTIVE QUARTERS	QUARTER CREDITS	OVER-ALL MAX	DUP	GRD SYS	DED	HYPH	SUM	HNR	FEE	VLPA	I&S	NW	ELECT	EMP	QSR	WRTNG	RESPONS COURSE	JOINT COURSES	OMIT
A A	546	ADV TPCS CTRL SYST ADVANCED TOPICS IN CONTROL SYSTEM THEORY	AUT/2005 - AUT/9999	3.0		.		.		.	.	.	.	.	.	.	.	.	.			.
					LAST UPDT: 3/31/05			APPROVED: 3/29/05														
A A	547	LINEAR SYSTEMS LINEAR SYSTEMS THEORY	AUT/2005 - AUT/9999	4.0		.		.		.	.	.	.	.	.	.	.	.	.	E E	547 E E 547	.
					LAST UPDT: 3/31/05			APPROVED: 6/21/99												M E	547	
		COMMENT:CHG JOINT #S,PREREQ																				
A A	548	LIN MULTVAR CONTROL LINEAR MULTIVARIABLE CONTROL	AUT/2005 - AUT/9999	3.0		.		.		.	.	.	.	.	.	.	.	.	.	E E	548 M E 548	.
					LAST UPDT: 3/31/05			APPROVED: 2/28/92												E E	548	
		COMMENT: CHG PREREQ																				
A A	549	ST EST & KALMAN FLTR STATE ESTIMATION AND KALMAN FILTERING	AUT/2012 - AUT/9999	3.0		.		.		.	.	.	.	.	.	.	.	.	.	E E	549 E E 549	.
					LAST UPDT: 4/24/12			APPROVED: 2/28/92												M E	549	
		COMMENT:EMAIL PREQ CHG																				
A A	550	NONLIN OPT CONTROL NONLINEAR OPTIMAL CONTROL	AUT/1996 - AUT/9999	3.0		.		.		.	.	.	.	.	.	.	.	.	.	E E	550 E E 550	.
					LAST UPDT:10/02/06			APPROVED: 9/18/81												M E	550	
A A	551	AEROSPACE SYST II AEROSPACE SYSTEMS II	WIN/1970 - AUT/9999	3.0		.		.		.	.	.	.	.	.	.	.	.	.			.
					LAST UPDT: 1/27/93																	
A A	552	NLINEAR PRBS AEROEL NONLINEAR PROBLEMS IN AEROELASTICITY	AUT/1993 - AUT/9999	3.0		.		.		.	.	.	.	.	.	.	.	.	.			.
					LAST UPDT:10/02/06			APPROVED: 3/29/93														
		COMMENT:WAS A A 557																				
A A	553	VIBR AEROSPACE SYS VIBRATIONS OF AEROSPACE SYSTEMS	SPR/1983 - AUT/9999	3.0		.		.		.	.	.	.	.	.	.	.	.	.			.
					LAST UPDT: 4/03/97																	
A A	554	AEROELASTICITY AEROELASTICITY	AUT/1993 - AUT/9999	3.0		.		.		.	.	.	.	.	.	.	.	.	.			.
					LAST UPDT:10/02/06			APPROVED: 3/29/93														
		COMMENT:WAS A A 556																				
A A	555	SPEC TPC AEROSP SYS SPECIAL TOPICS IN AEROSPACE SYSTEMS	AUT/1976 - AUT/9999	3.0		.		.		.	.	.	.	.	.	.	.	.	.			.
					LAST UPDT:10/02/06																	

COLLEGE : J - Engineering
DEPARTMENT: AERONAUTICAL & ASTRO

CURRIC	COURSE NUM	TITLE	EFFECTIVE QUARTERS	QUARTER CREDITS	OVER-ALL MAX	DU P	GRD SYS	DED	HYPH	SUM	HNR	FEE	VLPA	IAS	NW	ELECT	EMP	QSR	WRTNG	RESPONS COURSE	JOINT COURSES	OMIT
A A	556	SPACE AND LAB PHYS SPACE AND LABORATORY PLASMA PHYSICS	AUT/2002 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	ESS 576	ESS 576	.
					LAST UPDT: 3/25/02 APPROVED: 4/25/91																	
		COMMENT:CHG JOINT PREFIX, #																				
A A	557	PHYS FUSION PLASMAS PHYSICS OF FUSION PLASMAS	SUM/1998 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.			.
					LAST UPDT: 2/03/98 APPROVED: 1/29/98																	
A A	558	PLASMA THEORY PLASMA THEORY	SUM/1998 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.			.
					LAST UPDT: 2/02/98																	
		COMMENT:REPLACES A A 557																				
A A	559	PLASMA SCIENCE SMNR PLASMA SCIENCE SEMINAR	SUM/1998 - AUT/9999	1.0	30.0	.	CR/NC	.	.	.	.	.	.	.	.	.	.	.	.			.
					LAST UPDT: 5/16/13 APPROVED: 1/24/96																	
		COMMENT:WAS A A 558, 5/2013 RETRO MAX																				
A A	560	PLASMA DIAGNOSTICS PLASMA DIAGNOSTICS	WIN/2007 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.			.
					LAST UPDT:12/13/06 APPROVED:12/13/06																	
A A	564	KIN THRY RADIAT TR KINETIC THEORY/RADIATIVE TRANSFER	AUT/2009 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.			.
					LAST UPDT: 4/20/09																	
		COMMENT:WAS A A 503																				
A A	565	FUSION REACTOR FNDM FUSION REACTOR FUNDAMENTALS	WIN/1993 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.			.
					LAST UPDT:10/02/06 APPROVED: 3/29/93																	
		COMMENT:WAS NUC E 565																				
A A	570	MANIFOLDS AND GEOM MANIFOLDS AND GEOMETRY FOR SYSTEMS AND CONTROL	AUT/2007 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	A A 570	E E 570	.
					LAST UPDT: 4/05/07 APPROVED: 2/21/07																M E 570	
A A	571	PRIN OF DYNAM I PRINCIPLES OF DYNAMICS I	AUT/1969 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.			.
					LAST UPDT: 0/00/00																	
A A	578	OPTIMIZATN SYST SCI OPTIMIZATION IN SYSTEM SCIENCES	AUT/2005 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	A A 578	E E 578	.
					LAST UPDT: 3/31/05 APPROVED: 3/29/05																M E 578	

COLLEGE : J - Engineering
DEPARTMENT: AERONAUTICAL & ASTRO

CURRIC	COURSE NUM	TITLE	EFFECTIVE QUARTERS	QUARTER CREDITS	OVER-ALL MAX	DUP	GRD SYS	DED	HYPH	SUM	HNR	FEE	VLP	LIA	ES	NW	ELECT	ECMP	QSR	WRTNG	RESPONS COURSE	JOINT COURSES	OMIT
A A	580	GEOMETRIC METHODS	SPR/2007 - AUT/9999	3.0		.		.		.	.	.	.	.	.	.	.	.	.	.	A A 580	E E 580	.
		GEOMETRIC METHODS FOR NON-LINEAR CONTROL SYSTEMS																					
					LAST UPDT: 2/21/07			APPROVED: 2/21/07														M E 580	
A A	581	DIGITAL CONTROL	AUT/2005 - AUT/9999	3.0		.		.		.	.	.	.	.	.	.	.	.	.	.	M E 581	E E 581	.
		DIGITAL CONTROL																					
					LAST UPDT: 3/31/05			APPROVED: 2/28/92														M E 581	
		COMMENT:CHG TITLES, DESCRIPT, PREREQ																					
A A	582	DISCRETE EVENT SYS	AUT/2005 - AUT/9999	3.0		.		.		.	.	.	.	.	.	.	.	.	.	.	M E 582	E E 582	.
		INTRODUCTION TO DISCRETE EVENT SYSTEMS																					
					LAST UPDT: 3/03/06			APPROVED: 2/28/92														M E 582	
		COMMENT:CHG TITLES, DESCRIP, PREREQ																					
A A	583	NONLINEAR CONTR SYS	AUT/2005 - AUT/9999	3.0		.		.		.	.	.	.	.	.	.	.	.	.	.	E E 583	M E 583	.
		NONLINEAR CONTROL SYSTEMS																					
					LAST UPDT: 4/28/05			APPROVED: 1/31/01														E E 583	
		COMMENT:CHANGED JOINT STATUS-NEW A A																					
A A	585	SYS ID & ADAPT CTRL	AUT/2012 - AUT/9999	3.0		.		.		.	.	.	.	.	.	.	.	.	.	.	E E 585	E E 585	.
		SYSTEM IDENTIFICATION AND ADAPTIVE CONTROL																					
					LAST UPDT: 4/24/12			APPROVED: 3/29/05														M E 585	
		COMMENT:EMAIL PREQ CHG																					
A A	589	SPEC TPCS SOLD MECH	AUT/2005 - AUT/9999	4.0		.		.		.	.	.	.	.	.	.	.	.	.	.			.
		SPECIAL TOPICS IN SOLID MECHANICS																					
					LAST UPDT: 9/28/09																		
		COMMENT:WAS A A 583																					
A A	590	SPCL TPC APPL ANLYS	AUT/1976 - AUT/9999	3.0		.		.		.	.	.	.	.	.	.	.	.	.	.			.
		SPECIAL TOPICS IN APPLIED ANALYSIS																					
					LAST UPDT: 4/03/97			APPROVED: 7/29/71															
A A	591	ROBOT & CONTR COLL	AUT/1996 - AUT/9999	1.0	30.0	Y	CR/NC	.		.	.	.	.	.	.	.	.	.	.	.	A A 591	CHEM E591	.
		ROBOTICS AND CONTROL SYSTEMS COLLOQUIUM																					
					LAST UPDT: 5/16/13			APPROVED:10/27/93														E E 591	
		COMMENT:5-16 RETRO MAX																				M E 591	
A A	593	FEEDFORWARD CONTROL	SPR/2006 - AUT/9999	3.0		.		.		.	.	.	.	.	.	.	.	.	.	.	M E 593	M E 593	.
		FEEDFORWARD CONTROL																					
					LAST UPDT: 4/27/05			APPROVED: 4/25/05														E E 593	

COLLEGE : J - Engineering
DEPARTMENT: AERONAUTICAL & ASTRO

CURRIC	COURSE NUM	TITLE	EFFECTIVE QUARTERS	QUARTER CREDITS	OVER-ALL MAX	DUP	GRD SYS	DED	HYPH	SUM	HNR	FEE	VLPA	IAS	NW	ELECT	EMP	CQSR	WRTNG	RESPONS COURSE	JOINT COURSES	OMIT
A A	594	ROBUST CONTROL ROBUST CONTROL	WIN/2010 - AUT/9999	3.0		.		.		.	.	.	.	.	.	.	.	.	.	A A 594	E E 594 M E 594	.
		COMMENT:CHG PREQ																				
					LAST UPDT: 8/17/09					APPROVED: 3/29/05												
A A	595	GLBL INT SYS ENGR GLOBAL INTEGRATED SYSTEMS ENGINEERING	AUT/2010 - AUT/9999	4.0-06.0	10.0	.		.	11	.	.	.	.	.	.	.	.	.	.	IND E 595	IND E 595	.
		COMMENT:CHG CREDITS, DESC, HOURS																				
					LAST UPDT:12/17/12					APPROVED: 6/17/08												
A A	596	GISE PROJECT GLOBAL INTEGRATED SYSTEMS ENGINEERING PROJECT	SPR/2011 - AUT/9999	3.0		.		.		.	.	.	.	.	.	.	.	.	.	IND E 596	IND E 596	.
					LAST UPDT: 8/27/10					APPROVED: 8/24/10												
A A	597	NETWORKED DYN SYS NETWORKED DYNAMICS SYSTEMS	AUT/2008 - AUT/9999	3.0		.		.		.	.	.	.	.	.	.	.	.	.	A A 597	E E 597 M E 597	.
					LAST UPDT: 2/20/08					APPROVED: 2/19/08												
A A	598	SPECIAL TOPICS SPECIAL TOPICS IN AERONAUTICS AND ASTRONAUTICS	AUT/2009 - AUT/9999	1.0-05.0	30.0	Y		.		.	.	.	.	.	.	.	.	.	.			.
		COMMENT:5/2013 RETRO MAX																				
					LAST UPDT: 5/16/13					APPROVED: 6/16/09												
A A	599	SPECIAL PROJECTS SPECIAL PROJECTS	SPR/1976 - AUT/9999	1.0-05.0	30.0	Y		.		.	.	.	.	.	.	.	.	.	.			.
		COMMENT:5/2013 RETRO MAX																				
					LAST UPDT: 5/16/13																	
A A	600	INDEPNDNT STDY/RSCH INDEPENDENT STUDY OR RESEARCH	SUM/1969 - AUT/9999	0.0	999.0	Y		.	11	.	.	.	.	.	.	.	.	.	.			.
					LAST UPDT: 5/07/12																	
A A	700	MASTERS THESIS MASTER'S THESIS	WIN/1963 - AUT/9999	0.0	999.0	Y		.	11	.	.	.	.	.	.	.	.	.	.			.
					LAST UPDT: 5/07/12					APPROVED: 1/01/70												
A A	800	DOCTORAL DISSERTATN DOCTORAL DISSERTATION	AUT/1970 - AUT/9999	0.0	999.0	Y		.	11	.	.	.	.	.	.	.	.	.	.			.
					LAST UPDT: 5/07/12					APPROVED: 1/01/70												

COLLEGE : J - Engineering
DEPARTMENT: AERONAUTICAL & ASTRO

CURRIC	COURSE NUM	TITLE	EFFECTIVE QUARTERS	QUARTER CREDITS	OVER-ALL MAX	DUP	GRD SYS	DED	HYPHUM	SNR	HNE	FEE	VLPA	I&S	NW	ELECT	EMP	QSR	WRTNG	RESPONS COURSE	JOINT COURSES	OMIT
A E	501	ANALYTICAL METHODS ANALYTICAL METHODS FOR AEROSPACE ENGINEERING	AUT/2013 - AUT/9999	4.0		.		.		.	.	.	.	.	.	.	.	.	.			.
					LAST UPDT: 6/06/13					APPROVED: 6/04/13												
A E	598	AERO ENG COLLOQUIUM AEROSPACE ENGINEERING COLLOQUIM	AUT/2013 - AUT/9999	1.0	30.0	.	CR/NC	.		.	.	.	.	.	.	.	.	.	.			.
					LAST UPDT: 6/06/13					APPROVED: 6/04/13												