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	ELNW	ECTM	EPQS	WRTN	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																			

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CURRIC	COURSE NUM	TITLE	EFFECTIVE QUARTERS	QUARTER CREDITS	OVER -ALL MAX	DUP	GRD SYS	DED	HYPH	SUM	HNR	FEE	VLPA	IS	NW	EECT	EMP	QSR	WRTNG	RESPONS COURSE	JOINT COURSES	OMIT
A A	312	STRUCT VIBRATIONS Structural Vibrations	AUT/2000 - AUT/9999	4.0		.		.		.	.	.	.	.	.	.	.	.	.			.
A A	320	AEROSPACE INSTR Aerospace Instrumentation	SUM/2013 - AUT/9999	3.0		.		.		.	.	Y	.	.	.	.	.	.	.			.
A A	321	AEROSPACE LAB I Aerospace Laboratory I	WIN/2002 - AUT/9999	3.0		.		.		.	.	Y	.	.	.	.	.	.	.			.
A A	322	AEROSPACE LAB II Aerospace Laboratory II	SUM/2013 - AUT/9999	3.0		.		.		.	.	Y	.	.	.	.	.	.	.			.
A A	330	STRUCTRL ANLYS I STRUCTURAL ANALYSIS I	AUT/1996 - AUT/9999	4.0		.		.		.	.	.	.	.	.	.	.	.	.			.
A A	331	AEROSPACE STRUCT I Aerospace Structures I	SUM/2013 - AUT/9999	4.0		.		.		.	.	.	.	.	.	.	.	.	.			.
A A	332	AEROSPACE STRUCT II Aerospace Structures II	SUM/2013 - AUT/9999	4.0		.		.		.	.	.	.	.	.	.	.	.	.			.
A A	360	PROPULSION Propulsion	SPR/2013 - AUT/9999	4.0		.		.		.	.	.	.	.	.	.	.	.	.			.
A A	370	INTRO APPLIED ANLYS INTRODUCTION TO APPLIED ANALYSIS	SPR/1996 - AUT/9999	3.0		.		.		.	.	.	.	.	.	.	.	.	.			.

LAST UPDT: 2/28/00 APPROVED: 7/29/71
COMMENT:CD PROOF PREREQ CHANGE

LAST UPDT: 6/13/13 APPROVED: 5/22/63
COMMENT:CHG DESC FEE TYPE:1 $15.00 BUDGET:069310 REV OBJ CD:943081

LAST UPDT:10/26/10 APPROVED: 5/23/63
COMMENT:CHANGE TITLES, CREDITS FEE TYPE:1 $15.00 BUDGET:069310 REV OBJ CD:943081

LAST UPDT: 3/12/15 APPROVED: 5/23/63
COMMENT:CHG DESC-CORRECTED 3-12-15 FEE TYPE:1 $15.00 BUDGET:069310 REV OBJ CD:943081

LAST UPDT: 4/02/97
COMMENT:CHANGE DESCRIPTION

LAST UPDT: 6/13/13
COMMENT:CHG DESC

LAST UPDT: 6/13/13
COMMENT:CHG DESC

LAST UPDT: 2/14/13 APPROVED:12/30/98
COMMENT:EMAIL PREQ CHG

LAST UPDT:11/03/97 APPROVED: 9/18/69
COMMENT:CHANGE DESCRIPTION

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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	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																				

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CURRIC	COURSE NUM	TITLE	EFFECTIVE QUARTERS	QUARTER CREDITS	OVER-ALL MAX	DUP	GRD SYS	DED	HYPH	SUM	HNR	FEE	VLPA	IAS	NW	ELECT	EMPR	QSR	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	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																		

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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	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: 2/11/14																	
		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																				
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																				

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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	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	SUM/2014 - AUT/9999	3.0		.		.		.	.	.	.	.	.	.	.	.	.			.
		LAST UPDT: 4/10/14																				
		COMMENT:EMAIL PREQ CHG																				
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	SUM/2014 - AUT/9999	3.0		.		.		.	.	.	.	.	.	.	.	.	.			.
		LAST UPDT: 4/10/14 APPROVED: 5/20/08																				
		COMMENT:EMAIL PREQ CHG																				
A A	507	FLUID MECHANICS Fluid Mechanics	SUM/2014 - AUT/9999	3.0		.		.		.	.	.	.	.	.	.	.	.	.	A A	507 M E 507	.
		LAST UPDT: 6/04/14																				
		COMMENT:CHG PREQ																				

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CURRIC	COURSE NUM	TITLE	EFFECTIVE QUARTERS	QUARTER CREDITS	OVER -ALL MAX	DUP	GRD SYS	DED	HYPH	SUM	HNR	FEE	VLPA	I&S	NW	ELECT	ECMP	QSR	WRTNG	RESPONS COURSE	JOINT COURSES	OMIT
A A	508	TURBULENCE Turbulence	AUT/2010 - AUT/9999	3.0		.		.		.	.	.	.	.	.	.	.	.	.			.
		COMMENT:CHG TITLES, PREQ			LAST UPDT: 2/04/15																	
A A	509	CFD I COMPUTATIONAL FLUID DYNAMICS	AUT/2005 - AUT/9999	3.0		.		.		.	.	.	.	.	.	.	.	.	.			.
		COMMENT: SEE A A 543			LAST UPDT: 3/28/05 APPROVED: 6/23/83																	
A A	510	MATH FOUND SYST THR Mathematical Foundations of Systems Theory	AUT/2014 - AUT/9999	4.0		.		.		.	.	.	.	.	.	.	.	.	.	E E 510	E E 510 CHEM E 510 M E 510	.
		COMMENT:14-16 PREQ CHG			LAST UPDT: 7/31/14																	
A A	513	GAS LASERS Gas Laser Theory and Practice	SPR/1996 - AUT/9999	3.0		.		.		.	.	.	.	.	.	.	.	.	.			.
		COMMENT:CHANGE DESCRIPTION			LAST UPDT: 4/03/97 APPROVED: 3/18/71																	
A A	516	STAB & CON FLT VEH Stability and Control of Flight Vehicles	AUT/1998 - AUT/9999	3.0		.		.		.	.	.	.	.	.	.	.	.	.			.
		COMMENT:CHANGE DESCRIPTION			LAST UPDT:12/23/97																	
A A	518	AUTO CON FLT VEH Automatic Control of Flight Vehicles	SPR/1998 - AUT/9999	3.0		.		.		.	.	.	.	.	.	.	.	.	.			.
		COMMENT:CHANGE DESCRIP, PREREQ			LAST UPDT:12/23/97																	
A A	520	SEMINAR SEMINAR	AUT/1997 - AUT/9999	1.0		10.0	.	CR/NC	.	13	.	.	.	.	.	.	.	.	.			.
		COMMENT:CHANGE PREREQUISITE			LAST UPDT: 5/30/97																	
A A	523	SPEC TPC FLUID PHYS Special Topics in Fluid Physics	WIN/1975 - AUT/9999	3.0		.		.		.	.	.	.	.	.	.	.	.	.			.
					LAST UPDT: 4/03/97																	
A A	524	AEROACOUSTICS Aeroacoustics	AUT/2009 - AUT/9999	3.0		.		.		.	.	.	.	.	.	.	.	.	.			.
		COMMENT:CHG TITLES, DESC			LAST UPDT: 4/20/09 APPROVED: 5/29/92																	

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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	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																				
A A	533	MTRLS &PROCESS TECH Materials and Processing Technology of Aerospace Composites	WIN/2012 - AUT/9999	3.0		.		.		.	.	.	.	.	.	.	.	.	.			.
					LAST UPDT:12/08/11 APPROVED: 1/18/11																	
		COMMENT:EMAIL PREQ CHG																				

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CURRIC	COURSE NUM	TITLE	EFFECTIVE QUARTERS	QUARTER CREDITS	OVER-ALL MAX	DUP	GRD SYS	DED	HYPH	SUM	HNR	FEE	VLPA	IAS	NW	ELECT	EMP	CSR	WRTNG	RESPONS COURSE	JOINT COURSES	OMIT
A A	534	COMPOSITE STRUCT Integrity of Composite Aircraft Structures	WIN/2012 - AUT/9999	3.0		.		.		.	.	.	.	.	.	.	.	.	.			.
		COMMENT:EMAIL PREQ CHG			LAST UPDT:12/08/11 APPROVED: 9/15/09																	
A A	535	ADV COMPOSITE STRUC Advanced Composite Structural Analysis	SPR/2012 - AUT/9999	3.0		.		.		.	.	.	.	.	.	.	.	.	.	A A 535	M E 500	.
					LAST UPDT: 2/29/12 APPROVED: 2/28/12																	
A A	538	STRUCTURAL OPTIM Introduction to Structural Optimization	SUM/2008 - AUT/9999	3.0		.		.		.	.	.	.	.	.	.	.	.	.			.
					LAST UPDT: 5/21/08 APPROVED: 5/20/08																	
A A	540	FINITE ELM ANLYS I Finite Element Analysis I	WIN/1984 - AUT/9999	3.0		.		.		.	.	.	.	.	.	.	.	.	.			.
		COMMENT:CHANGE DESCRIPTION			LAST UPDT: 4/03/97																	
A A	541	FINITE ELM ANLYS II Finite Element Analysis II	WIN/1984 - AUT/9999	3.0		.		.		.	.	.	.	.	.	.	.	.	.			.
		COMMENT:CHANGE DESCRIPTION			LAST UPDT: 4/03/97																	
A A	543	CFD Computational Fluid Dynamics	AUT/2010 - AUT/9999	3.0		.		.		.	.	.	.	.	.	.	.	.	.			.
		COMMENT:CHG TITLES, DESC			LAST UPDT: 8/25/10																	
A A	544	TURBULENCE MODELING Turbulence Modeling and Simulation	AUT/2010 - AUT/9999	3.0		.		.		.	.	.	.	.	.	.	.	.	.			.
		COMMENT:CHG TITLES, DESC, PREQ			LAST UPDT: 3/07/11 APPROVED: 6/23/83																	
A A	545	COMP MTHDS PLASMAS Computational Methods for Plasmas	SPR/2007 - AUT/9999	3.0		.		.		.	.	.	.	.	.	.	.	.	.			.
					LAST UPDT:12/13/06 APPROVED:12/13/06																	
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	.
		COMMENT:CHG JOINT #S,PREREQ			LAST UPDT: 3/31/05 APPROVED: 6/21/99																M E 547	

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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	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/2014 - AUT/9999	3.0		.		.		.	.	.	.	.	.	.	.	.	.	E E 550	E E 550	.
					LAST UPDT: 7/31/14			APPROVED: 9/18/81													M E 550	
		COMMENT:14-16 PREQ CHG																				
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																	
A A	556	SPACE AND LAB PHYS Space and Laboratory Plasma Physics	AUT/2009 - AUT/9999	3.0		.		.		.	.	.	.	.	.	.	.	.	.	ESS 576	ESS 576	.
					LAST UPDT: 3/31/14			APPROVED: 4/25/91														
		COMMENT:UPDATE JT COURSE																				

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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	CQSR	WRTNG	RESPONS COURSE	JOINT COURSES	OMIT
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	
A A	580	GEOMETRIC METHODS Geometric Methods for Non-Linear Control Systems	SPR/2007 - AUT/9999	3.0		.		.		.	.	.	.	.	.	.	.	.	.	A A 580	E E 580	.
					LAST UPDT: 2/21/07			APPROVED: 2/21/07													M E 580	

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CURRIC	COURSE NUM	TITLE	EFFECTIVE QUARTERS	QUARTER CREDITS	OVER-ALL MAX	DUP	GRD SYS	DED	HYPH	SUM	HNR	FEE	VLPA	I&S	NW	ELECT	ECMP	QSR	WRTNG	RESPONS COURSE	JOINT COURSES	OMIT
A A	581	DIGITAL CONTROL Digital Control	AUT/2005 - AUT/9999	3.0		.		.	. . .				. . . . .							M E	581 E E 581	.
					LAST UPDT: 3/31/05			APPROVED: 2/28/92													M E 581	
		COMMENT:CHG TITLES, DESCRIPT, PREREQ																				
A A	582	DISCRETE EVENT SYS Introduction to Discrete Event Systems	AUT/2005 - AUT/9999	3.0		.		.	. . .				. . . . .							M E	582 E E 582	.
					LAST UPDT: 3/03/06			APPROVED: 2/28/92													M E 582	
		COMMENT:CHG TITLES, DESCRIP, PREREQ																				
A A	583	NONLINEAR CONTR SYS Nonlinear Control Systems	AUT/2005 - AUT/9999	3.0		.		.	. . .				. . . . .							E E	583 M E 583	.
					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 System Identification and Adaptive Control	AUT/2012 - AUT/9999	3.0		.		.	. . .				. . . . .							E E	585 E E 585	.
					LAST UPDT: 4/24/12			APPROVED: 3/29/05													M E 585	
		COMMENT:EMAIL PREQ CHG																				
A A	589	SPEC TPCS SOLD MECH Special Topics in Solid Mechanics	AUT/2005 - AUT/9999	4.0		.		.	. . .				. . . . .									.
					LAST UPDT: 9/28/09																	
		COMMENT:WAS A A 583																				
A A	590	SPCL TPC APPL ANLYS SPECIAL TOPICS IN APPLIED ANALYSIS	AUT/1976 - AUT/9999	3.0		.		.	. . .				. . . . .									.
					LAST UPDT: 4/03/97			APPROVED: 7/29/71														
A A	591	ROBOT & CONTR COLL Robotics and Control Systems Colloquium	AUT/1996 - AUT/9999	1.0	30.0	Y	CR/NC	.	. . .				. . . . .							A A	591 CHEM E591	.
					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 Feedforward Control	SPR/2006 - AUT/9999	3.0		.		.	. . .				. . . . .							M E	593 M E 593	.
					LAST UPDT: 4/27/05			APPROVED: 4/25/05													E E 593	
A A	594	ROBUST CONTROL Robust Control	WIN/2010 - AUT/9999	3.0		.		.	. . .				. . . . .							A A	594 E E 594	.
					LAST UPDT: 8/17/09			APPROVED: 3/29/05													M E 594	
		COMMENT:CHG PREQ																				

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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	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	.
					LAST UPDT:12/17/12 APPROVED: 6/17/08																	
		COMMENT:CHG CREDITS, DESC, HOURS																				
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	.
					LAST UPDT: 2/20/08 APPROVED: 2/19/08																M E 597	
A A	598	SPECIAL TOPICS Special Topics in Aeronautics and Astronautics	AUT/2009 - AUT/9999	1.0-05.0	30.0	Y		.		.	.	.	.	.	.	.	.	.	.			.
					LAST UPDT: 5/16/13 APPROVED: 6/16/09																	
		COMMENT:5/2013 RETRO MAX																				
A A	599	SPECIAL PROJECTS Special Projects	SPR/1976 - AUT/9999	1.0-05.0	30.0	Y		.		.	.	.	.	.	.	.	.	.	.			.
					LAST UPDT: 5/16/13																	
		COMMENT:5/2013 RETRO MAX																				
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																	