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 DEPARTMENT: AERONAUTICAL & ASTRO

CURRIC NUM	COURSE TITLE	EFFECTIVE QUARTERS	QUARTER CREDITS	OVER D		D	S H F			V L E E W					RESPONS COURSE	JOINT COURSES	O M I T
				-ALL U	GRD		E	U N E	P	N C M S N	A S W T P R G						
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 COMMENT:CHG DESC, PREQ CANCEL	AUT/2009 - AUT/9999	4.0	.	.	.	.	.	.	Y	.	.	.	.	.	.	.
				LAST UPDT: 6/15/09		APPROVED: 3/15/99											
A A	260 THERMODYNAMICS THERMODYNAMICS COMMENT:WAS CHEM E 260	WIN/2010 - AUT/9999	4.0	.	.	.	.	.	.	Y	.	.	.	.	.	.	.
				LAST UPDT: 6/24/09		APPROVED: 2/23/96											
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 COMMENT:10-12 PREQ CHG	WIN/2010 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 3/24/10													
A A	302 INCOMP AERODYNAMICS INCOMPRESSIBLE AERODYNAMICS COMMENT:WAS A A 300; CHG TITLES,PRE#	AUT/2002 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 8/28/02													
A A	310 ORB SPACE FLIGHT ORBITAL AND SPACE FLIGHT MECHANICS COMMENT:CD PROOF PREREQ CHANGE	AUT/2000 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 2/28/00		APPROVED: 5/06/71											
A A	311 ATM FLIGHT MECH ATMOSPHERIC FLIGHT MECHANICS COMMENT:EMAIL PREREQ CHANGE	AUT/2000 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT:10/02/06		APPROVED: 6/03/71											
A A	312 STRUCT VIBRATIONS STRUCTURAL VIBRATIONS COMMENT:CD PROOF PREREQ CHANGE	AUT/2000 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 2/28/00		APPROVED: 7/29/71											
A A	320 AEROSPACE INSTR AEROSPACE INSTRUMENTATION COMMENT:CHG TITLES, CREDITS	AUT/2000 - AUT/9999	3.0	.	.	.	.	Y	.	.	.	.	.	.	.	.	.
				LAST UPDT:10/26/10		APPROVED: 5/22/63		FEE TYPE:1 \$15.00 BUDGET:069310 REV OBJ CD:943081									

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				-ALL U	GRD		E	U N E	P	N	C	M	S	N						
A A	406 PLASMA PROC GAS DCH GAS DISCHARGES FOR PLASMA PROC & OTH APPLICATIONS COMMENT:WAS ENGR 450	WIN/2000 - AUT/9999	3.0			
				LAST UPDT:10/02/06		APPROVED: 6/01/99														
A A	409 COMPUTER TOOLS COMPUTER TOOLS FOR AEROSPACE ENGINEERS COMMENT:CHG TITLES	AUT/2007 - AUT/9999	2.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 5/16/07		APPROVED:12/30/98														
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 COMMENT:EMAIL PREREQ CHANGE	AUT/2000 - AUT/9999	4.0	.	.	22	.	.	Y	.	.	.	.	.	.	.	.
				LAST UPDT:10/26/10		FEE TYPE:1 \$50.00 BUDGET:069310		REV OBJ CD:943081												
A A	419 AEROSPACE HEAT TSFR AEROSPACE HEAT TRANSFER COMMENT:CD PROOF PREREQ CHANGE	AUT/2000 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 2/28/00		APPROVED:12/06/91														
A A	420 SPACE SYS DESIGN I SPACECRAFT AND SPACE SYSTEMS DESIGN I COMMENT:CHANGE DESCRIP, PREREQUISITES	WIN/1994 - AUT/9999	4.0	.	.	12	.	.	Y	.	.	.	.	.	.	.	.
				LAST UPDT:10/26/10		FEE TYPE:1 \$50.00 BUDGET:069310		REV OBJ CD:943081												
A A	421 SPACE SYS DESIGN II SPACECRAFT AND SPACE SYSTEMS DESIGN II COMMENT:EMAIL PREREQ CHANGE	AUT/2000 - AUT/9999	4.0	.	.	22	.	.	Y	.	.	.	.	.	.	.	.
				LAST UPDT:10/26/10		FEE TYPE:1 \$50.00 BUDGET:069310		REV OBJ CD:943081												
A A	430 FINTE ELEMENT ANALYS FINITE ELEMENT ANALYSIS IN AEROSPACE COMMENT:CHG TITLES	AUT/2009 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 6/15/09																
A A	431 PLATES AND SHELLS PLATES AND SHELLS COMMENT:CHANGE DESCRIPTION	WIN/1976 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 4/03/97																
A A	432 AERO COMPOSITES COMPOSITE MATERIALS FOR AEROSPACE STRUCTURES COMMENT:EMAIL PREREQ CHANGE	AUT/2000 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 2/28/00		APPROVED: 2/23/89														
A A	440 FLIGHT MECH I FLIGHT MECHANICS I	AUT/1966 - AUT/9999	3.0			
				LAST UPDT: 3/24/10																

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				-ALL U	GRD		E	U N E	P	I	E	C	Q	T			
A A	441 FLIGHT TEST ENGR FLIGHT TEST ENGINEERING COMMENT:10-12 PREQ CHG	AUT/2010 - AUT/9999	3.0	Y
				LAST UPDT: 3/24/10 FEE TYPE:1 \$45.00 BUDGET:069310 REV OBJ CD:943081													
A A	447 CONT IN AEROSP CONTROL IN AEROSPACE SYSTEMS COMMENT:WAS A A 450	AUT/2005 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 9/28/09													
A A	448 CTRL SYS SEN & ACT CONTROL SYSTEMS SENSORS AND ACTUATORS COMMENT:CHANGE PREREQUISITE	AUT/2005 - AUT/9999	3.0	.	.	.	.	Y	.	.	.	.	.	E E	448 E E	448	.
				LAST UPDT:11/02/09 APPROVED:12/06/93 FEE TYPE:1 \$45.00 BUDGET:069330 REV OBJ CD:943081													
A A	449 DESIGN CONTR SYSTEM DESIGN OF AUTOMATIC CONTROL SYSTEMS COMMENT:CHANGE PREREQUISITE	AUT/2005 - AUT/9999	4.0	.	.	.	.	Y	.	.	.	.	.	E E	449 E E	449	.
				LAST UPDT:11/02/09 APPROVED:12/06/93 FEE TYPE:1 \$45.00 BUDGET:069330 REV OBJ CD:943081													
A A	461 ADVANCED PROPULSION ADVANCED PROBULSION COMMENT:CHG TITLES	AUT/2002 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 3/06/02													
A A	462 ROCKET PROPULSION ROCKET PROPULSION COMMENT:CHG DESC	SUM/2011 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 5/16/11 APPROVED:10/27/89													
A A	470 SYSTEMS ENGINEERING SYSTEMS ENGINEERING COMMENT:WAS A A 280, CHG TLS, PRQ,DESC	AUT/2007 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	IND E	470 IND E	470	.
				LAST UPDT: 6/26/07 APPROVED: 6/01/99													
A A	480 SYSTEMS DYNAMICS SYSTEMS DYNAMICS COMMENT:EMAIL PREREQ CHANGE	AUT/2000 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 2/28/00													
A A	481 AEROELASTICITY INTRODUCTION TO AEROELASTICITY COMMENT:CHANGE DESCRIPTION	SPR/1994 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
				LAST UPDT: 4/03/97													
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 COMMENT:CHG MAX CREDITS	SPR/2009 - AUT/9999	1.0	4.0	.	CR/NC
				LAST UPDT: 3/18/09 APPROVED:11/14/06													

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						-ALL	U		GRD	E	U	N	E	P	&	N				C	M
A A	528	SPACE DYN & CONTROL SPACE 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 COMMENT:CHANGE DESCRIPTION	AUT/1989 -	AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
						LAST UPDT: 4/03/97															.
A A	531	INTEG MET STRUCT INTEGRITY OF METALLIC AIRCRAFT STRUCTURES COMMENT:CHG TITLES, DESC	AUT/2009 -	AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
						LAST UPDT: 4/20/09															.
A A	532	MECH COMP MATERIALS MECHANICS OF COMPOSITE MATERIALS COMMENT:CHANGE DESCRIPTION	WIN/1984 -	AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
						LAST UPDT: 4/03/97															.
A A	533	MTRLs &PROCESS TECH MATERIALS &PROCESSING TECHNOLOGY OF AEROSPACE COMP	WIN/2011 -	AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
						LAST UPDT: 1/18/11		APPROVED: 1/18/11													.
A A	534	COMPOSITE STRUCT INTEGRITY OF COMPOSITE AIRCRAFT STRUCTURES	SPR/2010 -	AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
						LAST UPDT: 9/16/09		APPROVED: 9/15/09													.
A A	535	ANALYS OF SHELLS I ANALYSIS OF SHELLS I COMMENT:CHANGE DESCRIPTION	WIN/1994 -	AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
						LAST UPDT: 4/03/97															.
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 COMMENT:CHANGE DESCRIPTION	WIN/1984 -	AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
						LAST UPDT: 4/03/97															.
A A	541	FINITE ELM ANLYS II FINITE ELEMENT ANALYSIS II COMMENT:CHANGE DESCRIPTION	WIN/1984 -	AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.
						LAST UPDT: 4/03/97															.
A A	543	CFD COMPUTATIONAL FLUID DYNAMICS COMMENT:CHG TITLES, DESC	AUT/2010 -	AUT/9999	3.0		
						LAST UPDT: 8/25/10															.

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				-ALL	U		GRD	E	U	N	E	P	&				N
A A	556 SPACE AND LAB PHYS SPACE AND LABORATORY PLASMA PHYSICS COMMENT:CHG JOINT PREFIX, #	AUT/2002 - AUT/9999	3.0	ESS	576 ESS	576	.
A A	557 PHYS FUSION PLASMAS PHYSICS OF FUSION PLASMAS	SUM/1998 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.				.
A A	558 PLASMA THEORY PLASMA THEORY COMMENT:REPLACES A A 557	SUM/1998 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.				.
A A	559 PLASMA SCIENCE SMNR PLASMA SCIENCE SEMINAR COMMENT:REPLACE A A 558	SUM/1998 - AUT/9999	1.0	10.0	.	CR/NC	.	.	.	.	.	.	.				.
A A	560 PLASMA DIAGNOSTICS PLASMA DIAGNOSTICS	WIN/2007 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.				.
A A	564 KIN THRY RADIAT TR KINETIC THEORY/RADIATIVE TRANSFER COMMENT:WAS A A 503	AUT/2009 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.				.
A A	565 FUSION REACTOR FNDM FUSION REACTOR FUNDAMENTALS COMMENT:WAS NUC E 565	WIN/1993 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.				.
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	.
A A	571 PRIN OF DYNAM I PRINCIPLES OF DYNAMICS I	AUT/1969 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.				.
A A	578 OPTIMIZATN SYST SCI OPTIMIZATION IN SYSTEMS SCIENCES	AUT/2005 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	A A	578 E 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	.
A A	581 DIGITAL CONTROL DIGITAL CONTROL COMMENT:CHG TITLES, DESCRIPT, PREREQ	AUT/2005 - AUT/9999	3.0	M E	581 E E	581	.

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				-ALL U	GRD		U N E	P	& N C	M S N	A S W T P R G	MAX	P	SYS			
A A	582 DISCRETE EVENT SYS INTRODCUTION TO DISCRETE EVENT SYSTEMS COMMENT:CHG TITLES, DESCIP, PREREQ	AUT/2005 - AUT/9999	3.0	M E	582 E E M E 582	582 .
A A	583 NONLINEAR CONTR SYS NONLINEAR CONTROL SYSTEMS COMMENT:CHANGED JOINT STATUS-NEW A A	AUT/2005 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	E E	583 M E E E 583	583 .
A A	585 SYS ID & ADAPT CTRL SYSTEM IDENTIFICATION AND ADAPTIVE CONTROL	AUT/2005 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	E E	585 E E M E 585	585 .
A A	589 SPEC TPCS SOLD MECH SPECIAL TOPICS IN SOLID MECHANICS COMMENT:WAS A A 583	AUT/2005 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.	.			.
A A	590 SPCL TPC APPL ANLYS SPECIAL TOPICS IN APPLIED ANALYSIS	AUT/1976 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.			.
A A	591 ROBOT & CONTR COLL ROBOTICS AND CONTROL SYSTEMS COLLOQUIUM	AUT/1996 - AUT/9999	1.0	3.0	Y	CR/NC	.	.	.	.	.	.	.	.	A A	591 CHEM E591 E E 591 M E 591	591 .
A A	593 FEEDFORWARD CONTROL FEEDFORWARD CONTROL	SPR/2006 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	M E	593 M E E E 593	593 .
A A	594 ROBUST CONTROL ROBUST CONTROL COMMENT:CHG PREQ	WIN/2010 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	A A	594 E E M E 594	594 .
A A	595 GLBL INT SYS ENGR GLOBAL INTEGRATED SYSTEMS ENGINEERING COMMENT:CHG CREDITS, DESC, HOURS	AUT/2010 - AUT/9999	4.0-06.0	10.0	.	.	.	.	.	.	.	.	.	.	IND E	595 IND E 595	595 .
A A	596 GISE PROJECT GLOBAL INTEGRATED SYSTEMS ENGERINEERING	SPR/2011 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	IND E	596 IND E 596	596 .
A A	597 NETWORKED DYN SYS NETWORKED DYNAMICS SYSTEMS	AUT/2008 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	A A	597 E E M E 597	597 .
A A	598 SPECIAL TOPICS SPECIAL TOPICS IN AERONAUTICS AND ASTRONAUTICS	AUT/2009 - AUT/9999	1.0-05.0	15.0

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					-ALL	U		GRD	E	U		N	E	P	&	N			
A A	599 SPECIAL PROJECTS SPECIAL PROJECTS	SPR/1976 -	AUT/9999	1.0-05.0	15.0	Y
					LAST UPDT: 4/03/97														
A A	600 INDEPNONT STDY/RSCH INDEPENDENT STUDY OR RESEARCH	SUM/1969 -	AUT/9999	0.0	999.0	.	.	11
					LAST UPDT: 4/19/10														
A A	700 MASTERS THESIS MASTERS THESIS	WIN/1963 -	AUT/9999	0.0	999.0	.	.	11
					LAST UPDT: 8/30/10 APPROVED: 1/01/70														
A A	800 DOCTORAL DISSERTATN DOCTORAL DISSERTATION	AUT/1970 -	AUT/9999	0.0	999.0	.	.	11
					LAST UPDT: 4/19/10 APPROVED: 1/01/70														