

DATE: 01-20-2015
TIME: 20:10:13

UNIVERSITY OF WASHINGTON STUDENT RECORDS SYSTEM
DETAILED CURRICULUM REPORT
Seattle CAMPUS

REPORT: SR21010-R-01 K
PAGE: 1,174

COLLEGE : J - Engineering
DEPARTMENT: AERONAUTICAL & ASTRO

COURSE CURRIC NUM	TITLE	EFFECTIVE	QUARTERS	QUARTER CREDITS	OVER -ALL MAX	D U P	GRD SYS	D E D	S H F U N E	F E R E	V L I P A	E L N C M S N	W R Q T P R G	RESPONS COURSE	JOINT COURSES	O M I T
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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COURSE CURRIC NUM	TITLE	EFFECTIVE	QUARTERS	QUARTER CREDITS	OVER D -ALL U MAX P	D GRD SYS	D E HYPH	S H F U N E M R E	V L I P & N A S W	E E L E C M T P	W R Q S N G	RESPONS COURSE	JOINT COURSES	O M I T
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									
					FEE TYPE:1 \$15.00 BUDGET:069310 REV OBJ CD:943081									
					COMMENT:CHG DESC									
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									
					FEE TYPE:1 \$15.00 BUDGET:069310 REV OBJ CD:943081									
					COMMENT:CHANGE TITLES, CREDITS									
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									
					FEE TYPE:1 \$15.00 BUDGET:069310 REV OBJ CD:943081									
					COMMENT:CHG DESC									
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									

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CURRIC	COURSE NUM	TITLE	EFFECTIVE	QUARTERS	QUARTER CREDITS	OVER -ALL MAX	D U P	GRD SYS	D E HYPH	S H F U N E M R E	V L I P & A	E E C M S N	W R Q T P R G	RESPONS COURSE	JOINT COURSES	O M I T
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										
						FEE TYPE:1 \$50.00 BUDGET:069310 REV OBJ CD:943081										
						COMMENT:EMAIL PREREQ CHANGE										
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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COURSE CURRIC NUM	TITLE	EFFECTIVE	QUARTERS	QUARTER CREDITS	OVER D -ALL U MAX P	D GRD SYS	D E HYPH	S H F U N E M R E	V L I P & N A S W	E E L C M S T P	W R Q T N G	RESPONS COURSE	JOINT COURSES	O M I T
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									
					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									
					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									
					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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COURSE		TITLE	EFFECTIVE	QUARTERS	QUARTER CREDITS	OVER	D		D	S	H	F	V	L	E	E	W																
CURRIC	NUM					-ALL	U	GRD	E	U	N	E	P	I	E	C	Q	T	R														
						MAX	P	SYS	D	HYPH	M	R	E	A	S	W	T	P	R	G	RESPONS	JOINT	O										
																					COURSE	COURSES	M										
																							I										
																							T										
A	A	449	SPCL TOPIC IN CNTRL	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	SUM/2013 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.										
																						LAST UPDT: 6/05/13											
																						COMMENT:CHG DESC											
A	A	462	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	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	AUT/2000 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.										
																						LAST UPDT: 2/11/14											
																						COMMENT:EMAIL PREREQ CHANGE											
A	A	481	AEROELASTICITY	SPR/1994 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.										
																						LAST UPDT: 4/03/97											
																						COMMENT:CHANGE DESCRIPTION											
A	A	482	AERO ACOUSTICS	AUT/1972 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.										
																						LAST UPDT: 4/03/97		APPROVED: 4/27/72									
																						COMMENT:AERONAUTICAL ACOUSTICS											
A	A	496	UNDERGRAD 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	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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COURSE CURRIC NUM	TITLE	EFFECTIVE	QUARTERS	QUARTER CREDITS	OVER D -ALL U MAX P	GRD SYS	D E HYPH	S H F U N E M R E	V L I P & N A S W	E E L C M S T P	W R Q T P R G	RESPONS COURSE	JOINT COURSES	O M I T
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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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/2014 - AUT/9999	4.0	.	.	.	.	.	.	.	E E	510 E E	510 .
					LAST UPDT: 7/31/14									
COMMENT:14-16 PREQ CHG														
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									
A A	524	AEROACOUSTICS Aeroacoustics	AUT/2009 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.
					LAST UPDT: 4/20/09 APPROVED: 5/29/92									
COMMENT:CHG TITLES, DESC														

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COURSE	TITLE	EFFECTIVE	QUARTER	-ALL U	GRD	E	U N E	L I	E C Q T	RESPONS	JOINT	O
CURRIC	NUM		CREDITS	MAX P	SYS	D HYPH	M R E	P & N	A S W T P R G	COURSE	COURSES	M I T
A A	525	SPECIAL TOPICS Special Topics in Advanced Airbreathing Engines	AUT/2009 - AUT/9999 3.0	.	.	.	.	.	.	.	.	.
COMMENT:CHG TITLES, DESC				LAST UPDT:10/12/09								
A A	526	AERO ENGINE SYSTEM AEROTHERMODYNAMICS OF AIRCRAFT ENGINE SYSTEMS	AUT/1992 - AUT/9999 3.0	.	.	.	.	.	.	.	.	.
COMMENT:WAS A A 524				LAST UPDT:10/02/06 APPROVED: 5/29/92								
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	.	.	.	.	.	.	.	.	.
COMMENT:CHANGE DESCRIPTION				LAST UPDT: 4/03/97								
A A	531	INTEG MET STRUCT Integrity of Metallic Aircraft Structures	AUT/2009 - AUT/9999 3.0	.	.	.	.	.	.	.	.	.
COMMENT:CHG TITLES, DESC				LAST UPDT: 4/20/09								
A A	532	MECH COMP MATERIALS Mechanics of Composite Materials	WIN/2012 - AUT/9999 3.0	.	.	.	.	.	.	.	.	.
COMMENT:EMAIL PREQ CHG				LAST UPDT:12/08/11								
A A	533	MTRLs &PROCESS TECH Materials and Processing Technology of Aerospace Composites	WIN/2012 - AUT/9999 3.0	.	.	.	.	.	.	.	.	.
COMMENT:EMAIL PREQ CHG				LAST UPDT:12/08/11 APPROVED: 1/18/11								

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COURSE CURRIC NUM	TITLE	EFFECTIVE	QUARTERS	QUARTER CREDITS	OVER D -ALL U MAX P	D GRD SYS	D E HYPH	S H F U N E M R E	V L I P & N A S W	E E L C Q T N C M S N T P R G	RESPONS COURSE	JOINT COURSES	O M I T
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 ANALYS I	WIN/1984 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.
Finite Element Analysis I					LAST UPDT: 4/03/97								
COMMENT:CHANGE DESCRIPTION													
A A	541	FINITE ELM ANALYS 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								
A A	546	ADV TPCS CTRL SYST	AUT/2005 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.
Advanced Topics in Control System Theory					LAST UPDT: 3/31/05 APPROVED: 3/29/05								
A A	547	LINEAR SYSTEMS	AUT/2005 - AUT/9999	4.0	.	.	.	.	.	.	E E	547 E E	547 .
Linear Systems Theory					LAST UPDT: 3/31/05 APPROVED: 6/21/99								
COMMENT:CHG JOINT #S, PREREQ					M E 547								

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CURRIC	NUM					-ALL	U	GRD	E	U	N	E	P	I	E	C				Q	T												
						MAX	P	SYS	D	HYPH	M	R	E	A	S	W	T	P	R	G	I	T											
A	A	548	LIN MULTVAR CONTROL	AUT/2005 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	E	E	548	M	E	548	.										
						Linear Multivariable Control																											
						COMMENT: CHG PREREQ																											
						LAST UPDT: 3/31/05											APPROVED: 2/28/92																
																	E E											548					
A	A	549	ST EST & KALMAN FLTR	AUT/2012 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	E	E	549	E	E	549	.										
						State Estimation and Kalman Filtering																											
						COMMENT:EMAIL PREQ CHG																											
						LAST UPDT: 4/24/12											APPROVED: 2/28/92																
																	M E											549					
A	A	550	NONLIN OPT CONTROL	AUT/2014 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	E	E	550	E	E	550	.										
						Nonlinear Optimal Control																											
						COMMENT:14-16 PREQ CHG																											
						LAST UPDT: 7/31/14											APPROVED: 9/18/81																
																	M E											550					
A	A	551	AEROSPACE SYST II	WIN/1970 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.							.										
						AEROSPACE SYSTEMS II																											
						LAST UPDT: 1/27/93																											
A	A	552	NLINEAR PRBS AEROEL	AUT/1993 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.							.										
						NONLINEAR PROBLEMS IN AEROELASTICITY																											
						LAST UPDT:10/02/06											APPROVED: 3/29/93																
						COMMENT:WAS A A 557																											
A	A	553	VIBR AEROSPACE SYS	SPR/1983 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.							.										
						Vibrations of Aerospace Systems																											
						LAST UPDT: 4/03/97																											
A	A	554	AEROELASTICITY	AUT/1993 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.							.										
						Aeroelasticity																											
						LAST UPDT:10/02/06											APPROVED: 3/29/93																
						COMMENT:WAS A A 556																											
A	A	555	SPEC TPC AEROSP SYS	AUT/1976 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.							.										
						SPECIAL TOPICS IN AEROSPACE SYSTEMS																											
						LAST UPDT:10/02/06																											
A	A	556	SPACE AND LAB PHYS	AUT/2009 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.	.	ESS	576	ESS	576	.												
						Space and Laboratory Plasma Physics																											
						LAST UPDT: 3/31/14											APPROVED: 4/25/91																
						COMMENT:UPDATE JT COURSE																											

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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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A A	581	DIGITAL CONTROL Digital Control	AUT/2005 - AUT/9999	3.0	.	.	.	.	.	.	M E	581 E E	581 .			
COMMENT:CHG TITLES, DESCRIPT, PREREQ					LAST UPDT: 3/31/05 APPROVED: 2/28/92							M E	581			
A A	582	DISCRETE EVENT SYS Introduction to Discrete Event Systems	AUT/2005 - AUT/9999	3.0	.	.	.	.	.	.	M E	582 E E	582 .			
COMMENT:CHG TITLES, DESCRIP, PREREQ					LAST UPDT: 3/03/06 APPROVED: 2/28/92							M E	582			
A A	583	NONLINEAR CONTR SYS Nonlinear Control Systems	AUT/2005 - AUT/9999	3.0	.	.	.	.	.	.	E E	583 M E	583 .			
COMMENT:CHANGED JOINT STATUS-NEW A A					LAST UPDT: 4/28/05 APPROVED: 1/31/01							E E	583			
A A	585	SYS ID & ADAPT CTRL System Identification and Adaptive Control	AUT/2012 - AUT/9999	3.0	.	.	.	.	.	.	E E	585 E E	585 .			
COMMENT:EMAIL PREQ CHG					LAST UPDT: 4/24/12 APPROVED: 3/29/05							M E	585			
A A	589	SPEC TPCS SOLD MECH Special Topics in Solid Mechanics	AUT/2005 - AUT/9999	4.0	.	.	.	.	.	.						
COMMENT:WAS A A 583					LAST UPDT: 9/28/09											
A A	590	SPCL TPC APPL ANALYS 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	. .			
COMMENT:5-16 RETRO MAX					LAST UPDT: 5/16/13 APPROVED:10/27/93							E E M E	591 591			
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 .			
COMMENT:CHG PREQ					LAST UPDT: 8/17/09 APPROVED: 3/29/05							M E	594			

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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	INDEPN DNT 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									

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COURSE CURRIC NUM		TITLE		EFFECTIVE QUARTERS		QUARTER CREDITS		OVER D -ALL U MAX P		D GRD SYS		S H F U N E M R E		V L E C Q T P & N C M S N A S W T P R G		RESPONS COURSE		JOINT COURSES		O M I T				
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	510	LINEAR SYSTEMS Linear Systems Theory		AUT/2014 - AUT/9999		4.0		.		.		. . .								.				
								LAST UPDT:11/19/14				APPROVED:11/18/14												
A E	511	CLASSICAL CONTROL Classical Control Theory		AUT/2014 - AUT/9999		4.0		.		.		. . .								.				
								LAST UPDT:11/19/14				APPROVED:11/18/14												
A E	512	STABILITY & CONTROL Dynamics, Stability, and Control of Vehicles		AUT/2014 - AUT/9999		4.0		.		.		. . .								.				
								LAST UPDT:11/19/14				APPROVED:11/18/14												
A E	519	AE TOPICS: CONTROLS Special Topics in Aerospace Engineering: Controls		AUT/2014 - AUT/9999		4.0		8.0		.		.		. . .						.				
								LAST UPDT:11/19/14				APPROVED:11/18/14												
A E	520	FUND FLUID DYNAMICS Fundamentals of Fluid Dynamics		AUT/2014 - AUT/9999		4.0		.		.		. . .								.				
								LAST UPDT: 1/08/15				APPROVED:11/18/14												
A E	523	AIRCRAFT NOISE Aircraft Noise		AUT/2014 - AUT/9999		4.0		.		.		. . .								.				
								LAST UPDT:11/21/14				APPROVED:11/18/14												
A E	529	AE TOPICS: FLUIDS Special Topics in Aerospace Engineering: Fluids		AUT/2014 - AUT/9999		4.0		8.0		.		.		. . .						.				
								LAST UPDT:11/21/14				APPROVED:11/18/14												
A E	532	ROCKET PROPULSION Rocket Propulsion		AUT/2014 - AUT/9999		4.0		.		.		. . .								.				
								LAST UPDT:11/21/14				APPROVED:11/18/14												
A E	539	AE TOPICS: P/P/P Special Topics in Aerospace Engineering: Propulsion, Plasma, and Power		AUT/2014 - AUT/9999		4.0		8.0		.		.		. . .						.				
								LAST UPDT:11/21/14				APPROVED:11/18/14												
A E	540	MECHANICS OF SOLIDS Mechanics of Solids		AUT/2014 - AUT/9999		4.0		.		.		. . .								.				
								LAST UPDT:11/21/14				APPROVED:11/18/14												

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