

DATE: 07-03-2017
TIME: 20:10:32

UNIVERSITY OF WASHINGTON STUDENT RECORDS SYSTEM
DETAILED CURRICULUM REPORT
Seattle CAMPUS

REPORT: SR21010-R-01 K
PAGE: 1,182

COLLEGE : J - Engineering
DEPARTMENT: AERONAUTICAL & ASTRO

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	101 AIR/SPACE VEHICLES AIR AND SPACE VEHICLES	AUT/1997 -	AUT/9999	5.0	.	.	.	. . Y	. . Y		.			.
LAST UPDT: 4/13/17 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/2016 -	AUT/9999	4.0	.	.	.	. . .			.			.
LAST UPDT: 8/25/16 APPROVED: 6/03/71														

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COURSE CURRIC NUM	TITLE	EFFECTIVE	QUARTERS	QUARTER CREDITS	OVER D -ALL U MAX P	D GRD SYS	D E D HYPH	S H F U N E M R E	V L I P & N A S W	E E L E C M S N T P R G	W R O M I T	RESPONS COURSE	JOINT COURSES
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	AUT/2016	- AUT/9999	3.0	.	.	.	Y	.	.	.	.	.
					LAST UPDT: 8/25/16 APPROVED: 5/22/63								
					FEE TYPE:1 \$15.00 BUDGET:069310 REV OBJ CD:943081								
A A	321 AEROSPACE LAB I Aerospace Laboratory I	WIN/2017	- AUT/9999	3.0	.	.	.	Y	.	.	.	.	.
					LAST UPDT: 8/11/16 APPROVED: 5/23/63								
					FEE TYPE:1 \$15.00 BUDGET:069310 REV OBJ CD:943081								
A A	322 AEROSPACE LAB II Aerospace Laboratory II	SPR/2016	- AUT/9999	3.0	.	.	.	Y	.	.	.	.	.
					LAST UPDT: 4/10/17 APPROVED: 5/23/63								
					FEE TYPE:1 \$50.00 BUDGET:069626 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													

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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 T P R	W R G	RESPONS COURSE	JOINT COURSES	O M I T	
A A	395 UNDERGRAD SEMINAR Undergraduate Seminar	AUT/2017 -	AUT/9999	1.0	4.0	.	CR/NC	.	.	.	.	.	.	.	.
LAST UPDT: 6/12/17 APPROVED:11/14/06															
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/2017 -	AUT/9999	4.0	.	.	12	.	Y	.	.	.	.	.	.
LAST UPDT: 8/25/16															
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: 2/10/17															
COMMENT:EMAIL PREREQ CHANGE FEE TYPE:1 \$50.00 BUDGET:069626 REV OBJ CD:943081															

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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														
A A	420 SPACE SYS DESIGN I Spacecraft and Space Systems Design I	WIN/2017 - AUT/9999	4.0		.	.	12	.	Y	.	.			.
					LAST UPDT: 2/10/17 APPROVED: 6/28/79									
					FEE TYPE:1 \$50.00 BUDGET:069626 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: 4/10/17 APPROVED:10/27/89									
					FEE TYPE:1 \$50.00 BUDGET:069626 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	WIN/2017 - AUT/9999	3.0		.	.		.	.	.	.			.
					LAST UPDT: 8/11/16									
A A	441 FLIGHT TEST ENGR Flight Test Engineering	AUT/2010 - AUT/9999	3.0		.	.		.	Y	.	.			.
					LAST UPDT: 4/10/17									
					FEE TYPE:1 \$45.00 BUDGET:069626 REV OBJ CD:943081									
COMMENT:10-12 PREQ CHG														
A A	447 CONT IN AEROSP Control in Aerospace Systems	SUM/2013 - AUT/9999	4.0		.	.		.	.	.	.			.
					LAST UPDT: 6/05/13									
COMMENT:CHG DESC														

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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	WIN/2017 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.
					LAST UPDT: 8/11/16 APPROVED:10/27/89									
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 - SUM/2017	1.0	4.0	.	CR/NC	.	.	.	.	.	.	.
					LAST UPDT: 6/20/17 APPROVED:11/14/06 COMMENT:CHG MAX CREDITS									

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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: 2/10/17 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														

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A A	507 FLUID MECHANICS Fluid Mechanics	SUM/2014 -	AUT/9999	3.0	.	.	.	.	.	.	A A	507 M E	507 .
COMMENT:CHG PREQ					LAST UPDT: 6/04/14								
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 .
COMMENT:14-16 PREQ CHG					LAST UPDT: 7/31/14								
												CHEM E 510 M E 510	
A A	513 GAS LASERS Gas Laser Theory and Practice	SPR/1996 -	AUT/9999	3.0	.	.	.	.	.	.			.
COMMENT:CHANGE DESCRIPTION					LAST UPDT: 5/05/17 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	.	.	.	.	.	.			.
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A A	524 AEROACOUSTICS Aeroacoustics	AUT/2009 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.
COMMENT:CHG TITLES, DESC					LAST UPDT: 4/20/09 APPROVED: 5/29/92								
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: 5/05/17								
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								

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A A	533	MTRLs & PROCESS TECH	WIN/2012 - AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.
					Materials and Processing Technology of Aerospace Composites									
					LAST UPDT: 5/05/17 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: 5/05/17 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									

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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	
A A	548	LIN MULTVAR CONTROL Linear Multivariable Control	AUT/2005 - AUT/9999 3.0	.	.	.	.	.	.	.	E E	548 M E	548 .
COMMENT: CHG PREREQ				LAST UPDT: 3/21/16							E E	548	
A A	549	ST EST & KALMAN FLTR Estimation and System Identification	AUT/2012 - AUT/9999 3.0	.	.	.	.	.	.	.	E E	549 M E	549 .
COMMENT:EMAIL PREQ CHG				LAST UPDT: 3/21/16		APPROVED: 9/19/81					E E	549	
A A	550	NONLIN OPT CONTROL Nonlinear Optimal Control	AUT/2014 - AUT/9999 3.0	.	.	.	.	.	.	.	E E	550 E E	550 .
COMMENT:14-16 PREQ CHG				LAST UPDT: 7/31/14		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	.	.	.	.	.	.	.	.	.	.
COMMENT:WAS A A 557				LAST UPDT:10/02/06		APPROVED: 3/29/93							
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	.	.	.	.	.	.	.	.	.	.
COMMENT:WAS A A 556				LAST UPDT:10/02/06		APPROVED: 3/29/93							

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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: 3/21/16																
COMMENT:UPDATE JT COURSE																
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																

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A A	578 CONVEX OPTIMIZATION Convex Optimization	WIN/2016 -	AUT/9999	4.0	.	.	.	.	.	.	.	A A	578 E E	578 .
LAST UPDT: 2/26/16 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: 2/25/16 APPROVED: 2/21/07 M E 580														
A A	581 DIGITAL CONTROL SYS Digital Control System Design	WIN/2017 -	AUT/9999	4.0	.	.	.	Y	.	.	.	M E	581 E E	581 .
LAST UPDT: 6/13/16 APPROVED: 4/29/96 M E 581														
FEE TYPE:1 \$50.00 BUDGET:069397 REV OBJ CD:943081														
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: 3/22/16 APPROVED: 4/29/96 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: 3/21/16 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 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	.
LAST UPDT: 5/16/13 APPROVED:10/27/93 E E 591														
COMMENT:5-16 RETRO MAX M E 591														

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COURSE		TITLE	EFFECTIVE QUARTERS	QUARTER CREDITS	OVER D	D	S H F					RESPONS				JOINT				
CURRIC	NUM				MAX	U P	GRD	E	HYPH	M R E	A	S	W	T	P	R	COURSE	COURSES		
A A	593	FEEDFORWARD CONTROL Feedforward Control	SPR/2006 - AUT/9999	3.0		.	.	.	.	.	.	.	.	.	M E	593 E E	593	.		
					LAST UPDT: 3/22/16				APPROVED: 4/25/05				M 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																				
A A	595	GLBL INT SYS ENGR Global Integrated Systems Engineering	AUT/2016 - AUT/9999	4.0-05.0	9.0	.	.	11	.	.	.	.	.	.	IND E	595 IND E	595	.		
					LAST UPDT: 1/10/17				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	.		
					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											

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COURSE CURRIC	NUM	TITLE	EFFECTIVE QUARTERS	QUARTER CREDITS	OVER -ALL MAX	D U P	D GRD SYS	S H F U N E	M R E	P & S	I & W	E C M P	Q T N	RESPONS COURSE	JOINT COURSES	
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	513	MULTIVAR CTRL Multivariable Control	AUT/2017 - AUT/2020	4.0	.	.	.	.	.	.	.	.	.			.
					LAST UPDT: 3/03/17		APPROVED: 2/21/17									
A E	513	MULTIVAR CTRL Multivariable Control	WIN/2021 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.			.
					LAST UPDT: 3/03/17		APPROVED: 2/21/17									
A E	514	ESTIMATION THEORY Estimation Theory	AUT/2017 - AUT/2020	4.0	.	.	.	.	.	.	.	.	.			.
					LAST UPDT: 3/13/17		APPROVED: 2/21/17									
A E	514	ESTIMATION THEORY Estimation Theory	WIN/2021 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.			.
					LAST UPDT: 3/13/17		APPROVED: 2/21/17									
A E	519	AE TOPICS: CONTROLS Special Topics in Aerospace Engineering: Controls	SPR/2017 - SUM/2018	4.0	16.0	.	.	.	.	.	.	.	.			.
					LAST UPDT:12/16/16		APPROVED:11/18/14									
A E	519	AE TOPICS: CONTROLS Special Topics in Aerospace Engineering: Controls	AUT/2018 - AUT/9999	4.0	8.0	.	.	.	.	.	.	.	.			.
					LAST UPDT:12/16/16		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									

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COURSE CURRIC	NUM	TITLE	EFFECTIVE QUARTERS	QUARTER CREDITS	OVER -ALL MAX	D U P	D GRD SYS	S H F U N E M R E						RESPONS COURSE	JOINT COURSES	
A E	541	FINITE ELM ANALYSIS Finite Element Analysis	AUT/2014 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.			.
					LAST UPDT:	11/21/14	APPROVED:	11/18/14								
A E	542	FATIGUE & FRACTURE Fatigue and Fracture in Aerospace Structures	AUT/2014 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.			.
					LAST UPDT:	11/21/14	APPROVED:	11/18/14								
A E	543	STRUCT VIBRATIONS Structural Vibrations	AUT/2017 - AUT/2020	4.0	.	.	.	.	.	.	.	.	.			.
					LAST UPDT:	3/28/17	APPROVED:	2/21/17								
A E	543	STRUCT VIBRATIONS Structural Vibrations	WIN/2021 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.			.
					LAST UPDT:	3/14/17	APPROVED:	2/21/17								
A E	544	ADDITIVE MANUFACTUR Additive Manufacturing	AUT/2017 - AUT/2020	4.0	.	.	.	.	.	.	.	.	.			.
					LAST UPDT:	6/21/17	APPROVED:	2/21/17								
A E	544	ADDITIVE MANUFACTUR Additive Manufacturing	WIN/2021 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.			.
					LAST UPDT:	3/14/17	APPROVED:	2/21/17								
A E	549	AE TOPICS: STRUC Special Topics in Aerospace Engineering: Structures	SPR/2017 - SUM/2018	4.0	16.0	.	.	.	.	.	.	.	.			.
					LAST UPDT:	12/16/16	APPROVED:	11/18/14								
A E	549	AE TOPICS: STRUC Special Topics in Aerospace Engineering: Structures	AUT/2018 - AUT/9999	4.0	8.0	.	.	.	.	.	.	.	.			.
					LAST UPDT:	12/16/16	APPROVED:	11/18/14								
A E	550	MECH OF COMPOSITES Mechanics of Composite Materials	AUT/2014 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.			.
					LAST UPDT:	11/21/14	APPROVED:	11/18/14								
A E	551	AERO COMP DESIGN I Aerospace Composite Design I	AUT/2017 - AUT/2020	4.0	.	.	.	.	.	.	.	.	.			.
					LAST UPDT:	3/03/17	APPROVED:	2/21/17								
A E	551	AERO COMP DESIGN I Aerospace Composite Design I	WIN/2021 - AUT/9999	4.0	.	.	.	.	.	.	.	.	.			.
					LAST UPDT:	3/03/17	APPROVED:	2/21/17								

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