

DATE: 04-15-2019
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UNIVERSITY OF WASHINGTON STUDENT RECORDS SYSTEM
DETAILED CURRICULUM REPORT
Seattle CAMPUS

REPORT: SR21010-R-01 K
PAGE: 1,297

COLLEGE : J - Engineering
DEPARTMENT: INDUSTRIAL & SYSTEMS ENGR

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
IND E 101	INTRODUCTION TO IE Introduction to Industrial Engineering	SPR/2002 - AUT/9999		1.0	.	.	.	.	.	Y	.	.	.	.
					LAST UPDT: 1/29/02		APPROVED: 1/28/02							
IND E 250	ENGR ECON Fundamentals of Engineering Economy	AUT/1999 - AUT/9999		4.0	.	.	.	.	.	Y	.	.	.	.
					LAST UPDT:10/18/06		APPROVED: 3/15/99							
					COMMENT:WAS ENGR 250									
IND E 295	PRODUCT DISSECTION PRODUCT DISSECTION	SPR/1996 - AUT/9999		3.0	.	.	.	.	.	.	.	M E	295 M E	295 .
					LAST UPDT: 2/11/08		APPROVED:12/27/95							
IND E 315	PROB & STAT FOR ENG Probability and Statistics for Engineers	SPR/2010 - AUT/9999		3.0	.	.	.	.	.	Y	.	.	.	.
					LAST UPDT: 3/04/16		APPROVED: 3/15/99							
					COMMENT:EMAIL PREQ CHG									
IND E 316	DES EXPR REGR ANLYS Design of Experiments and Regression Analysis	WIN/2008 - AUT/9999		4.0	.	.	.	.	.	Y	.	IND E 316 STAT	316	.
					LAST UPDT: 3/04/16		APPROVED: 1/29/87							
					COMMENT:ADD MISSING PREQ									
IND E 321	STAT QUAL CONTROL Statistical Quality Control	WIN/2005 - AUT/9999		4.0	.	.	.	.	.	.	.	.	.	.
					LAST UPDT: 3/04/16		APPROVED:12/18/86							
					COMMENT:WAS IND E 421;CHG CREDITS									
IND E 337	INTRO MANU SYSTEMS Introduction to Manufacturing Systems	WIN/2005 - AUT/9999		4.0	.	.	.	Y	.	.	.	.	.	.
					LAST UPDT: 1/24/17		APPROVED:12/18/86							
					COMMENT:WAS IND E 237; CHG CREDITS									
					FEE TYPE:1 \$100.00 BUDGET:068557 REV OBJ CD:943081									
IND E 351	HUMAN FACTORS Human Factors in Design	WIN/2005 - AUT/9999		4.0	.	.	.	.	.	.	.	.	.	.
					LAST UPDT: 8/26/04		APPROVED:12/18/86							
					COMMENT:CHG CREDITS, CONTACT HRS									
IND E 410	LINEAR & NETWORK PR Linear and Network Programming	SPR/2007 - AUT/9999		4.0	.	.	.	.	.	.	.	.	.	.
					LAST UPDT: 9/28/09		APPROVED:12/18/86							
					COMMENT:WAS IND E 310									

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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 P R G	RESPONS COURSE	JOINT COURSES	O M I T
IND E 411	STCH MODL & DEC ANL Stochastic Models and Decision Analysis	SPR/2007 - AUT/9999		4.0	.	.	.	.	.	.	.			.
COMMENT:WAS IND E 311					LAST UPDT: 3/04/16 APPROVED:12/18/86									
IND E 412	INTEGER & DYNAMIC PR Integer and Dynamic Programming	SPR/2007 - AUT/9999		4.0	.	.	.	.	.	.	.			.
COMMENT:WAS IND E 312					LAST UPDT: 9/28/09 APPROVED:12/18/86									
IND E 424	SIMULATION Simulation	WIN/2005 - AUT/9999		4.0	.	.	.	.	.	.	.			.
COMMENT:EMAIL PREREQ CHANGE					LAST UPDT: 3/04/16 APPROVED:12/18/86									
IND E 426	REL ENG & SYS SAFE Reliability Engineering and System Safety	WIN/2005 - AUT/9999		4.0	.	.	.	.	.	.	.			.
COMMENT:CHG CREDITS, CONTACT HRS.					LAST UPDT: 3/04/16 APPROVED: 1/24/96									
IND E 430	MANU SCHED AND INV Manufacturing Scheduling and Inventory	WIN/2008 - AUT/9999		4.0	.	.	.	.	.	.	.			.
COMMENT:EMAIL PREQ CHG					LAST UPDT: 3/04/16 APPROVED: 9/18/91									
IND E 439	LAYOUT & MATL HAND Plant Layout and Material Handling	WIN/2008 - AUT/9999		4.0	.	.	.	.	.	.	.			.
COMMENT:EMAIL PREQ CHG					LAST UPDT: 3/04/16 APPROVED: 1/24/96									
IND E 455	USER INTERFACE DES User Interface Design	AUT/2009 - AUT/9999		4.0	.	.	.	.	.	.	.	IND E 455	HCDE 455	.
COMMENT:CHG JT PREFIX					LAST UPDT: 1/27/09 APPROVED: 5/01/90									
IND E 470	SYSTEMS ENGINEERING Systems Engineering	AUT/2007 - AUT/9999		4.0	.	.	.	.	.	.	.	IND E 470	A A 470	.
COMMENT:WAS INDE280, CHG TLS, PRQ,DESC					LAST UPDT: 6/26/07 APPROVED: 6/01/99									
IND E 494	DES IN MANUF FIRM Design in the Manufacturing Firm	WIN/2013 - AUT/9999		4.0	.	.	.	.	.	.	.			.
COMMENT:EMAIL PREQ CHG					LAST UPDT:11/05/12 APPROVED: 5/31/90									

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COURSE		TITLE		EFFECTIVE	QUARTER	OVER D	D	S H F								RESPONS	JOINT								
CURRIC	NUM			QUARTERS	CREDITS	-ALL U	GRD	U N E	HYPH	M R E						COURSE	COURSES								
IND E	495	I E DESIGN	WIN/2005 - AUT/9999	4.0		.	.	.	.	.	.	.	.	.	.			.							
						LAST UPDT:10/18/06				APPROVED:12/18/86															
COMMENT:CHG CREDITS, CONTACT HRS																									
IND E	496	TECH-BASED ENTREPRE	SPR/2013 - AUT/9999	3.0		.	.	.	.	.	.	.	.	.	.	IND E 496 M E	496	.							
Technology-Based Entrepreneurship						LAST UPDT: 2/14/13				APPROVED: 1/24/96															
COMMENT:EMAIL PREQ CHG																									
IND E	498	SPECIAL TOPICS I E	SUM/2011 - AUT/9999	1.0-05.0	9.0	.	.	.	.	.	.	.	.	.	.			.							
Special Topics in Industrial Engineering						LAST UPDT:11/15/10				APPROVED:12/18/86															
COMMENT:EMAIL PREQ CHG																									
IND E	499	SPECIAL PROJECTS IE	AUT/2010 - AUT/9999	2.0-05.0	12.0	Y	.	.	.	.	.	.	.	.	.			.							
Special Projects						LAST UPDT: 5/17/10				APPROVED:12/18/86															
COMMENT:CHG MAX CREDITS																									
IND E	508	STOC PROC IN ENGR	WIN/2009 - AUT/9999	3.0		.	.	.	.	.	.	.	.	.	.	E E 508 E E	508	.							
Stochastic Processes in Engineering						LAST UPDT: 3/04/16				APPROVED: 7/16/70															
COMMENT:ADD JT TO EXISTING E E 508																									
IND E	512	OPTIMIZATION MODELS	AUT/2016 - AUT/9999	3.0		.	.	.	.	.	.	.	.	.	.			.							
Introduction to Optimization Models						LAST UPDT:12/19/12				APPROVED:12/18/12															
COMMENT:END INITIAL DL																									
IND E	513	LINEAR OPT ENG MODL	AUT/1999 - AUT/9999	3.0		.	.	.	.	.	.	.	.	.	.			.							
Linear Optimization Models in Engineering						LAST UPDT: 3/04/16				APPROVED: 6/28/93															
COMMENT:CONV TEMP TO PERM																									
IND E	515	FUNDAMNTL OPTIMIZTN	WIN/2019 - AUT/9999	5.0		.	.	.	.	.	.	.	.	.	.	AMATH 515 MATH	515	.							
Optimization: Fundamentals and Applications						LAST UPDT:10/17/18				APPROVED: 3/28/94				AMATH 515											
COMMENT:END INITIAL DL																									
IND E	516	APPL OPT ENG DESIGN	AUT/2009 - AUT/9999	3.0		.	.	.	.	.	.	.	.	.	.			.							
Applications of Optimization in Engineering Design						LAST UPDT: 9/28/09				APPROVED: 2/28/94															
COMMENT:DROP JT STATUS																									

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IND E 517	MDP Markov Decision Processes	AUT/2019 -	AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.
					LAST UPDT: 3/27/19		APPROVED: 3/19/19							
IND E 518	SEMINAR IN MFG MGMT Seminars on Advances in Manufacturing and Management	AUT/1999 -	AUT/9999	1.0	.	.	.	.	.	.	.	M E	518 M E	518 .
					LAST UPDT:10/18/06		APPROVED: 2/03/99							
IND E 519	HEALTHCARE MODELING Healthcare Modeling and Decision Making	WIN/2017 -	AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.
					LAST UPDT:11/15/16		APPROVED: 9/20/16							
IND E 521	QUAL CONTROL IN MFG Quality Control in Manufacturing	AUT/1999 -	AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.
COMMENT:CONV OF TEMP TO PERM					LAST UPDT: 3/04/16		APPROVED: 6/28/93							
IND E 524	ROB DES QLTY ENGR Robust Design and Quality Engineering	AUT/1999 -	AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.
COMMENT:CONV OF TEMP TO PERM					LAST UPDT: 4/28/99		APPROVED: 1/24/96							
IND E 526	RELIABILITY Reliability in Product Design and Testing	AUT/1999 -	AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.
COMMENT:CONV OF TEMP TO PERM					LAST UPDT: 3/04/16		APPROVED: 6/28/93							
IND E 535	ENGINRNG SIMULATION Engineering Simulation	WIN/2000 -	AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.
COMMENT:CONV OF TEMP TO PERM					LAST UPDT: 3/04/16		APPROVED: 6/28/93							
IND E 537	INTRO MANUF SYSTEMS Introduction to Manufacturing Systems	AUT/2003 -	AUT/9999	3.0	.	.	.	.	.	.	.	IND E 537	ENV H 537	.
					LAST UPDT: 3/04/05		APPROVED: 3/31/03							
IND E 541	HUMAN FACTORS ENGR HUMAN FACTORS ENGINEERING	AUT/1999 -	AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.
COMMENT:CONV OF TEMP TO PERM					LAST UPDT: 4/28/99		APPROVED: 6/28/93							
IND E 543	VIRTUAL INTRFC TECH Virtual Interface Technology	AUT/2016 -	AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.
					LAST UPDT: 3/22/16		APPROVED: 6/28/93							

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IND E 544	VIRTUAL WORLD DEVL Virtual World Development	AUT/1999 -	AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.
COMMENT: CONV OF TEMP TO PERM					LAST UPDT: 10/09/18 APPROVED: 6/28/93									
IND E 545	USER-CENTERED DESIGN User-Centered Design	AUT/2009 -	AUT/9999	4.0	.	.	.	.	.	.	.	HCDE	518 HCDE	518 .
COMMENT: CHG JT STATUS					LAST UPDT: 1/27/09 APPROVED: 11/25/03									
IND E 546	ANYL METH TRANS I Analytical Methods in Transportation I	AUT/2017 -	SUM/2019	3.0	.	.	.	.	.	.	.	CET	584 CET	584 .
					LAST UPDT: 3/22/19 APPROVED: 1/28/00									
IND E 546	INFERENTL DATA ANSYS Inferential Data Analysis for Engineers	AUT/2019 -	AUT/9999	3.0	.	.	.	.	.	.	.	CET	521 CET	521 .
					LAST UPDT: 3/22/19 APPROVED: 1/28/00									
IND E 549	HUMAN FACTORS Human Factors in Engineering Design	SPR/2009 -	AUT/9999	3.0	.	.	.	.	.	.	.	IND E 549	ENV H 549	.
COMMENT: TEMPORARY					LAST UPDT: 1/21/09 APPROVED: 1/20/09									
IND E 555	HEALTH SYSTEMS ENGR HEALTH SYSTEMS ENGINEERING	AUT/1999 -	AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.
COMMENT: CONV OF TEMP TO PERM					LAST UPDT: 4/28/99 APPROVED: 6/28/93									
IND E 564	HLTH & SAF PROB-IND Recognition of Health and Safety Problems in Industry	SPR/2008 -	AUT/9999	2.0	.	.	.	.	.	.	.	ENV H 564	ENV H 564	.
COMMENT: CHG CREDITS					LAST UPDT: 11/21/07 APPROVED: 2/26/03									
IND E 566	INTRO TO ERGON Introduction to Ergonomics	WIN/2006 -	AUT/9999	3.0	.	.	.	.	.	.	.	ENV H 566	NSG 508	.
COMMENT: ADD JOINT STATUS					LAST UPDT: 3/22/16 APPROVED: 11/19/81 ENV H 566									
IND E 567	APPLIED OCC HEALTH Applied Occupational Health and Safety	SPR/2006 -	AUT/9999	3.0	.	.	.	.	.	.	.	ENV H 559	ENV H 559	.
					LAST UPDT: 1/26/06 APPROVED: 2/26/03 NSG 505									

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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 P R G	RESPONS COURSE	JOINT COURSES	O M I T
IND E 569	OCCUP BIOMECHANICS Occupational Biomechanics	AUT/1999 - AUT/9999	4.0		.	.	.	.	.	.	.	ENV H 569	ENV H 569	.
COMMENT:CONV OF TEMP TO PERM					LAST UPDT: 3/23/16 APPROVED:10/22/87									
IND E 570	SUPPLY CHAIN SYST Supply Chain Systems	AUT/2000 - AUT/9999	3.0		.	.	.	.	.	.	.			.
					LAST UPDT: 6/02/00 APPROVED: 5/31/00									
IND E 581	NAVIGATING BUSINESS Navigating the Business Environment	AUT/2010 - AUT/9999	3.0		.	.	.	.	.	.	.			.
					LAST UPDT: 6/22/10 APPROVED: 6/15/10									
IND E 582	TECH LEADERSHIP Technical Leadership	WIN/2011 - AUT/9999	3.0		.	.	.	.	.	.	.			.
					LAST UPDT: 6/22/10 APPROVED: 6/15/10									
IND E 583	DECISION ANALYSIS Decision Analysis in Engineering	AUT/2016 - AUT/9999	3.0		.	.	.	.	.	.	.			.
COMMENT:END INITIAL DL					LAST UPDT:12/19/12 APPROVED:12/18/12									
IND E 584	PROJECT PERFORMANCE Project Performance	WIN/2017 - AUT/9999	3.0		.	.	.	.	.	.	.			.
COMMENT:END INITIAL DL					LAST UPDT:12/19/12 APPROVED:12/18/12									
IND E 585	SYSTEMS ARCH & MBSE Systems Architecture and Model-Based Systems Engineering	SPR/2019 - AUT/9999	3.0		.	.	.	.	.	.	.			.
					LAST UPDT:12/20/15 APPROVED:12/15/15									
IND E 586	ENGR RISK MGMT Systems Engineering Risk: Assessment and Management	SUM/2016 - SPR/2019	3.0		.	.	.	.	.	.	.			.
					LAST UPDT: 7/26/18									
IND E 586	ENGR RISK MGMT Systems Engineering Risk: Assessment and Management	SUM/2019 - AUT/9999	3.0		.	.	.	.	.	.	.			.
					LAST UPDT: 7/26/18									
IND E 591	SEMINAR Seminar	AUT/2002 - AUT/9999	1.0		.	CR/NC	. 13	.	.	.	.			.
COMMENT:CHG CREDITS, DESCRIPT.					LAST UPDT: 5/09/02 APPROVED: 6/28/93									

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IND E 592	SEMINAR Seminar	AUT/2002 -	AUT/9999	1.0	.	CR/NC	.	23	.	.	.	.	.	.
					LAST UPDT: 5/09/02 APPROVED: 6/28/93									
					COMMENT:CHG CREDITS, DESCRIPT									
IND E 593	SEMINAR Seminar	AUT/2002 -	AUT/9999	1.0	.	CR/NC	.	33	.	.	.	.	.	.
					LAST UPDT:12/27/01 APPROVED: 6/28/93									
					COMMENT:CHG DESCRIPTION									
IND E 594	MGMT OF ENGR MANAGEMENT OF ENGINEERING DESIGN	AUT/1999 -	AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.
					LAST UPDT: 4/28/99 APPROVED: 2/23/96									
					COMMENT:CONV OF TEMP TO PERM									
IND E 595	GLBL INT SYS ENGR Global Integrated Systems Engineering	AUT/2016 -	AUT/9999	4.0-05.0	9.0	.	.	11	.	.	.	.	IND E 595 A A	595 .
					LAST UPDT: 6/13/16 APPROVED: 6/17/08									
IND E 596	GISE PROJECT Global Integrated Systems Engineering Project	SPR/2011 -	AUT/9999	3.0	.	.	.	.	.	.	.	.	IND E 596 A A	596 .
					LAST UPDT: 8/27/10 APPROVED: 8/24/10									
IND E 599	SPECIAL TOPICS IE Special Topics in Industrial Engineering	AUT/1999 -	AUT/9999	1.0-05.0	9.0	Y	.	.	.	.	.	.	.	.
					LAST UPDT: 4/20/06 APPROVED: 6/28/93									
					COMMENT:CONV OF TEMP TO PERM									
IND E 600	INDEPN DNT STDY/RSCH Independent Study or Research	SUM/1998 -	AUT/9999	0.0	999.0	.	.	11	.	.	.	.	.	.
					LAST UPDT: 4/19/10 APPROVED: 6/23/98									
IND E 700	MASTERS THESIS Master's Thesis	SUM/1998 -	AUT/9999	0.0	999.0	.	.	11	.	.	.	.	.	.
					LAST UPDT: 4/19/10 APPROVED: 6/23/98									
IND E 800	DOCTORAL DISSERTATN Doctoral Dissertation	SUM/1998 -	AUT/9999	0.0	999.0	.	.	11	.	.	.	.	.	.
					LAST UPDT: 4/19/10 APPROVED: 6/23/98									