

2017 FALL SEMESTER DISTANCE EDUCATION CLASS OFFERINGS

CATALOG # AND COURSE TITLE	CREDIT	CLASS#	CMP	SEC	DAY	TIME	BLDG	ROOM	INSTRUCTOR
Aerospace Engineering									
5131 Intermediate Thermofluid Mechanics Prerequisite: Mech Eng 3131 or Aero Eng 3131. (Co-listed with Mech Eng 5131)	3.0- 3.0	72095	LEC	1DIS	MWF	03:00 - 03:50 pm	ARR		Homan,K
									Distance Course Rates Apply
5139 Computational Fluid Dynamics Prerequisites: Comp Sci 1570 or 1970 or 1971; one course in fluid mechanics. (Co-listed with Mech Eng 5139)	3.0- 3.0	71646	LEC	1DIS	MWF	01:00 - 01:50 pm	ARR		Isaac,K
									Distance Course Rates Apply
5169 Introduction to Hypersonic Flow Prerequisites: Aero Eng 3171.	3.0- 3.0	80851	LEC	1DIS	TTh	11:00 - 12:15 pm	ARR		Hosder,S
									Distance Course Rates Apply
5212 Introduction to Finite Element Analysis Prerequisite: Mech Eng 3708 or Aero Eng 4253 or consent of instructor for majors that do not require either of these courses, or graduate standing. (Co-listed with Mech Eng 5212)	3.0- 3.0	71755	LEC	1DIS	TTh	11:00 - 12:15 pm	ARR		Chandrashekhara,K
									Distance Course Rates Apply
5238 Fatigue Analysis Prerequisite: Civ Eng 2210. (Co-listed with Mech Eng 5238)	3.0- 3.0	71280	LEC	1DIS	TTh	02:00 - 03:15 pm	ARR		Dharani,L
									Distance Course Rates Apply
5449 Robotic Manipulators and Mechanisms Prerequisites: Mech Eng 3313; Comp Sci 1970 or Comp Sci 1971 or Comp Sci 1972 or Comp Sci 1570. (Co-listed with Mech Eng 5449)	3.0- 3.0		LEC	1DIS	MW	08:00 - 08:50 am	ARR		Bristow,D
									Distance Course Rates Apply
	3.0- 3.0	80968	LAB	3DIS	F	08:00 - 08:50 am	ARR		Bristow,D
									Distance Course Rates Apply
5481 Mechanical and Aerospace Control Systems Prerequisite: Mech Eng 4479 or Aero Eng 3361. (Co-listed with Mech Eng 5481)	3.0- 3.0	71284	LEC	1DIS	MWF	09:00 - 09:50 am	ARR		Balakrishnan,S
									Distance Course Rates Apply
5527 Combustion Processes Prerequisite: Mech Eng 3521. (Co-listed with Mech Eng 5527)	3.0- 3.0	72860	LEC	1DIS	TTh	09:30 - 10:45 am	ARR		Koylu,U
									Distance Course Rates Apply
5715 Concurrent Engineering Prerequisites: Mech Eng 3313 or Aero Eng 3131 and Civ Eng 2210 (Co-listed with Mech Eng 5715)	3.0- 3.0	71331	LEC	1DIS	Th	07:00 - 09:30 pm	ARR		Appelman,H
									Distance Course Rates Apply
6001 Special Topics	3.0- 3.0	81137	LEC	1DIS	MWF	12:00 - 12:50 pm	ARR		Homan,K
									Adv Comp Thermofluid
									Prerequisites: Mech Eng 5131 or Aero Eng 5131; Mech Eng 5139 or Aero Eng 5139. (Co-listed with Mech Eng 6001)
									Distance Course Rates Apply
	3.0- 3.0	81140	LEC	1DIS					CANCELLED
6099 Research Prerequisite: Consent of instructor required.	0.0-15.0	72055	IND	6DIS	ARR	ARR	ARR		Birman,V
									Distance Course Rates Apply
	0.0-15.0	73154	IND	6DIS	ARR	ARR	ARR		Dharani,L
									Distance Course Rates Apply
	0.0-15.0	73207	IND	6DIS	ARR	ARR	ARR		Duan,L
									Distance Course Rates Apply
	0.0-15.0	81178	IND	6DIS	ARR	ARR	ARR		Hosder,S
									Distance Course Rates Apply
6284 Analysis of Laminated Composite Structures Prerequisite: Mech Eng 5282 or Aero Eng 5282. (Co-listed with Mech Eng 6284)	3.0- 3.0	71378	LEC	1DIS	W	04:00 - 06:30 pm	ARR		Birman,V
									Distance Course Rates Apply
6447 Markov Decision Processes Prerequisite: Graduate standing in background of probability or statistics. (Co-listed with Comp Eng 6310, Mech Eng 6447, Eng Mgt 6410 and Comp Sci 6202)	3.0- 3.0	71763	LEC	1DIS	M	04:00 - 06:30 pm	ARR		Gosavi,A
									Distance Course Rates Apply
6481 Advanced Topics in Decision and Control	3.0- 3.0	81053	LEC	1DIS					CANCELLED

Architectural Engineering

5206	Low-Rise Building Analysis And Design Prerequisite: Preceded and/or accompanied by Civ -Arch Eng 3210 or Civ-Arch Eng 3220. (Co-listed with Civ Eng 5206)	3.0- 3.0	72995	LEC 1DIS	MWF	11:00 - 11:50 am	ARR		Thomas,J
									Distance Course Rates Apply
5208	Structural Dynamics Prerequisites: Mech Eng 2350 or equivalent; Civ/Arch Eng 3201 or equivalent. (Co-listed with Civ Eng 5208)	3.0- 3.0	80959	LEC 1DIS	TTh	03:30 - 04:45 pm	ARR		Chen,G
									Distance Course Rates Apply
5445	Construction Methods Prerequisite: Arch Eng 4448 with a grade of "C" or better. (Co-listed with Civ Eng 5445)	3.0- 3.0	71336	LEC 1DIS	T	04:00 - 06:30 pm	ARR		Augenstein,A
									Distance Course Rates Apply
5448	Green Engineering: Analysis of Constructed Facilities Prerequisites: Civ Eng 4448 or Arch Eng 4448; and Junior Standing. (Co-listed with Civ Eng 5448)	3.0- 3.0	72011	LEC 1DIS	MWF	10:00 - 10:50 am	ARR		Scott-Showalter,P
									Distance Course Rates Apply
5449	Engineering and Construction Contract Specifications Prerequisite: Arch Eng 4448 with a grade of "C" or better. (Co-listed with Civ Eng 5449)	3.0- 3.0	73043	LEC 1DIS	MWF	09:00 - 09:50 am	ARR		Scott-Showalter,P
									Distance Course Rates Apply
5642	Sustainability, Population, Energy, Water, and Materials Prerequisite: Senior or graduate standing. (Co-listed with Env Eng 5642 and Civ Eng 5642)	3.0- 3.0	72822	LEC 1DIS	TTh	09:30 - 10:45 am	ARR		Fitch,M
									Distance Course Rates Apply
5872	Environmental Controls Prerequisites: Mech Eng 3521 and accompanied or preceded by Mech Eng 3525; or Mech Eng 2527 and Civ Eng 3330. (Co-listed with Mech Eng 5571)	3.0- 3.0	72134	LEC 1DIS	M	07:00 - 09:30 pm	ARR		Williams JR,G
									Distance Course Rates Apply

Business

4111	Business Negotiations Prerequisites: At least Junior status.	3.0- 3.0	71681	LEC 1DIS	M	04:00 - 06:30 pm	ARR		
									Distance Course Rates Apply
5001	Special Topics	3.0- 3.0	80907	LEC 1DIS					CANCELLED
5115	Teambuilding and Leadership in Business Settings	3.0- 3.0	81085	LEC 1DIS					CANCELLED
5230	Financial Statement Analysis Prerequisite: FINANCE 2150 or Graduate Standing.	3.0- 3.0	81146	LEC 1DIS	MWF	01:00 - 01:50 pm	ARR		Chiu,Y
									Distance Course Rates Apply
6111	Advanced Business Negotiations Prerequisite: Graduate status.	3.0- 3.0	72614	LEC 1DIS	M	04:00 - 06:30 pm	ARR		Bates,C
									Distance Course Rates Apply
6121	Teambuilding and Leadership Prerequisite: Graduate standing.	3.0- 3.0	72615	LEC 1DIS	TTh	11:00 - 12:15 pm	ARR		Elrod,C
									Distance Course Rates Apply
6426	Integration of Business Areas Prerequisite: Graduate standing.	3.0- 3.0	71840	LEC 1DIS	W	07:00 - 09:30 pm	ARR		Fang,H
									Distance Course Rates Apply
6622	International Marketing Prerequisite: Graduate standing.	3.0- 3.0	71640	LEC 1DIS	Th	04:00 - 06:30 pm	ARR		Stanley,S
									Distance Course Rates Apply
6827	Managerial Finance Prerequisite: Graduate standing.	3.0- 3.0	71666	LEC 1DIS	T	04:00 - 06:30 pm	ARR		Zhang,H
									Distance Course Rates Apply
6887	Research Methods in Business and IS&T (Co-listed with IS&T 6887)	3.0- 3.0	72728	LEC 1DIS	Th	07:00 - 09:30 pm	ARR		Nah,F
									Distance Course Rates Apply

Chemical Engineering

4140	Chemical Process Safety Prerequisite: Preceded or accompanied by Chem Eng 3150.	3.0- 3.0	81179	LEC 1DIS	MWF	08:00 - 08:50 am	ARR		Ludlow,D
									Distance Course Rates Apply
5140	Intermediate Chemical Process Safety Prerequisite: Graduate Standing.	3.0- 3.0	81181	LEC 1DIS	MWF	08:00 - 08:50 am	ARR		Ludlow,D
									Distance Course Rates Apply

Civil Engineering

5000	Special Problems	0.0- 6.0	72120	IND	6DIS	ARR	ARR	ARR	Fitch,M
									Distance Course Rates Apply
5206	Low-Rise Building Analysis and Design Prerequisite: Preceded and/or accompanied by Civ -Arch Eng 3210 or Civ-Arch Eng 3220. (Co-listed with Arch Eng 5206)	3.0- 3.0	72996	LEC	1DIS	MWF	11:00 - 11:50 am	ARR	Thomas,J
									Distance Course Rates Apply
5208	Structural Dynamics Prerequisites: Mech Eng 2350 or equivalent; Civ/Arch Eng 3201 or equivalent. (Co-listed with Arch Eng 5208)	3.0- 3.0	80958	LEC	1DIS	TTh	03:30 - 04:45 pm	ARR	Chen,G
									Distance Course Rates Apply
5445	Construction Methods Prerequisite: Civ Eng 4448 with a grade of "C" or better. (Co-listed with Arch Eng 5445)	3.0- 3.0	71337	LEC	1DIS	T	04:00 - 06:30 pm	ARR	Augenstein,A
									Distance Course Rates Apply
5448	Green Engineering: Analysis of Constructed Facilities Prerequisites: Civ Eng 4448 or Arch Eng 4448; and Junior Standing. (Co-listed with Arch Eng 5448)	3.0- 3.0	72013	LEC	1DIS	MWF	10:00 - 10:50 am	ARR	Scott-Showalter,P
									Distance Course Rates Apply
5449	Engineering and Construction Contract Specifications Prerequisite: Civ Eng 4448 with a grade of "C" or better. (Co-listed with Arch Eng 5449)	3.0- 3.0	73042	LEC	1DIS	MWF	09:00 - 09:50 am	ARR	Scott-Showalter,P
									Distance Course Rates Apply
5513	Traffic Engineering Prerequisite: Civ Eng 3500 with a grade of "C" or better.	3.0- 3.0	72107	LEC	1DIS	Th	07:00 - 09:30 pm	ARR	Trueblood,M
									Distance Course Rates Apply
5515	Advanced Traffic Signal Operations Prerequisite: CIV ENG 5513.	3.0- 3.0	80960	LEC	1DIS	CANCELLED			
5605	Environmental Systems Modeling Prerequisites: Env Eng/Civ Eng 2601, Env Eng/Civ Eng 2602 and Env Eng/ Civ Eng 3663; or Graduate standing. (Co-listed with Env Eng 5605)	3.0- 3.0	81207	LEC	1DIS	TTh	12:30 - 01:45 pm	ARR	Oerther,D
									Distance Course Rates Apply
5642	Sustainability, Population, Energy, Water, and Materials Prerequisite: Senior or graduate standing. (Co-listed with Env Eng 5642 and Arch Eng 5642)	3.0- 3.0	72821	LEC	1DIS	TTh	09:30 - 10:45 am	ARR	Fitch,M
									Distance Course Rates Apply
5715	Intermediate Soil Mechanics Prerequisites: Civ Eng 3715 with grade of "C" or better.	3.0- 3.0	72141	LEC	1DIS	Th	04:00 - 06:30 pm	ARR	McLain,K
									Distance Course Rates Apply
5716	Geotechnical Earthquake Engineering Prerequisites: Civ Eng 3715 with a grade of "C" or better.	3.0- 3.0	73044	LEC	1DIS	MWF	11:00 - 11:50 am	ARR	Kottke,A
									Distance Course Rates Apply
6000	Special Problems	0.0- 6.0	72801	IND	6DIS	ARR	ARR	ARR	Showalter,W
									Distance Course Rates Apply
6099	Research Consent of instructor required.	0.0-15.0	72059	IND	6DIS	ARR	ARR	ARR	Chen,G
									Distance Course Rates Apply
6213	Advanced Design in Steel and Lightweight Structures Prerequisite: Preceded or accompanied by Civ Eng 5207.	3.0- 3.0	80961	LEC	1DIS	TTh	08:00 - 09:15 am	ARR	LaBoube,R
									Distance Course Rates Apply
6340	Urban Hydrology Prerequisite: Civ Eng 3333.	3.0- 3.0	72267	LEC	1DIS	TTh	12:30 - 01:45 pm	ARR	Wilson,L
									Distance Course Rates Apply
6442	Construction Administration, Planning and Control Prerequisite: Preceded or accompanied by Civ Eng 5445.	3.0- 3.0	72104	LEC	1DIS	M	04:00 - 06:30 pm	ARR	Berry,R
									Distance Course Rates Apply
6601	Biological Principles In Environmental Engineering Systems (Co-listed with Env En 6601)	3.0- 3.0		LEC	1DIS	TTh	11:00 - 12:15 pm	ARR	Oerther,D
									Distance Course Rates Apply
				LEC	1DIS	ARR	ARR	ARR	Distance Course Rates Apply

CATALOG # AND COURSE TITLE	CREDIT	CLASS#	CMP	SEC	DAY	TIME	BLDG	ROOM	INSTRUCTOR	
	3.0- 3.0	72568	LAB	3DIS	ARR	ARR			Oerther,D	
			Distance Course Rates Apply							
6712 Computer Modeling in Geotechnical Engineering Prerequisite: Civ Eng 3715 and graduate standing.	3.0- 3.0	73112	LEC	1DIS	M	04:00 - 06:30 pm		ARR	Deng,W	
			Distance Course Rates Apply							
Computer Engineering										
5001 Special Topics	3.0- 3.0	81197	LEC	1DIS	Th	04:00 - 06:30 pm		ARR	Ferguson,I	
			Design Innovation Engrs Prerequisite: Junior or above standing. (Co-listed with Elec Eng 5001)							
			Distance Course Rates Apply							
5120 Digital Computer Design Prerequisites: COMP ENG 3150 and COMP ENG 3151.	3.0- 3.0	72079	LEC	1DIS	T	07:00 - 09:30 pm		ARR	Hanna,W	
			Distance Course Rates Apply							
5310 Computational Intelligence Prerequisite: Graduate Standing. (Co-listed with Elec Eng 5310 and Sys Eng 5211)	3.0- 3.0	72111	LEC	1DIS	W	04:00 - 06:30 pm		ARR	Corns,S	
			Distance Course Rates Apply							
5410 Introduction to Computer Communication Networks Prerequisites: Comp Eng 3150 or computer hardware competency and Stat 3117 or Stat 3115 or Stat 5643 or equivalent.	3.0- 3.0	72547	LEC	1DIS	MWF	01:00 - 01:50 pm		ARR	Sedighsarvestani,S	
			Distance Course Rates Apply							
5420 Introduction to Network Security Prerequisite: Comp Eng 5410 or Comp Sci 5600.	3.0- 3.0	72220	LEC	1DIS	MWF	10:00 - 10:50 am		ARR	Cetinkaya,E	
			Distance Course Rates Apply							
5430 Wireless Networks Prerequisites: Hardware competency, Elec Eng 3420 or Comp Eng 3150 and graduate standing. (Co-listed with Elec Eng 5430 and Sys Eng 5323.)	3.0- 3.0		LEC	1DIS	MW	08:00 - 08:50 am		ARR	Zawodniok,M	
			Distance Course Rates Apply							
	3.0- 3.0	80997	LAB	3DIS	F	08:00 - 08:50 am		ARR	Zawodniok,M	
			Distance Course Rates Apply							
5803 Mathematical Logic I Prerequisite: Philos 3254 or Math 5105 or Comp Sci 2500 or Comp Eng 2210. (Co-listed with Comp Sci 5203, Philos 4354 and Math 5154)	3.0- 3.0	73193	LEC	1DIS	ARR	ARR		ARR	Insall,E	
			Course runs from October 16 through November 10. See 'Notes' for Class Schedule							
			Distance Course Rates Apply							
	3.0- 3.0	74054	LEC	1DIA	MTWThF	12:40 - 02:50 pm		ARR	Insall,E	
			Class meets the first four weeks of the semester, June 6 - July 1, 2016.							
			Distance Course Rates Apply							
6000 Special Problems Prerequisite: Consent of the instructor.	1.0- 6.0	71434	IND	6DIS	ARR	ARR		ARR	Sedighsarvestani,S	
			Distance Course Rates Apply							
6001 Special Topics	3.0- 3.0	81185	LEC	1DIS	ARR	ARR		ARR	Wunsch,D	
			Adv Computational Intelligence Prerequisite: A "C" or better grade in one of Sys Eng 5211, Elec Eng 5310, or Comp Eng 5310. (Co-listed with Elec Eng 6001 and Sys Eng 6001)							
			Distance Course Rates Apply							
6099 Special Research and Thesis	1.0-15.0	72490	IND	6DIS	ARR	ARR		ARR	Wunsch,D	
			Distance Course Rates Apply							
6310 Markov Decision Processes Prerequisite: Graduate standing in background of probability or statistics. (Co-listed with Mech Eng 6447, Aero Eng 6447, Eng Mgt 6410 and Comp Sci 6202)	3.0- 3.0	81130	LEC	1DIS	M	04:00 - 06:30 pm		ARR	Gosavi,A	
			Distance Course Rates Apply							
Computer Science										
5001 Special Topics	3.0- 3.0	81164	LEC	1DIS	MWF	11:00 - 11:50 am		ARR	Morales,A	
			Intro to Deep Learning Prerequisites: A grade of "C" or better in both Comp Sci 2500 and Math 3108.							
			Distance Course Rates Apply							

CATALOG # AND COURSE TITLE	CREDIT	CLASS#	CMP	SEC	DAY	TIME	BLDG	ROOM	INSTRUCTOR
	3.0- 3.0	81166	LEC	1DIA	TTh	09:30 - 10:45 am	ARR		Yin,Z
									Intro Machine Learning Prerequisites: A grade of "C" or better in all of Comp Sci 2500, Math 3108, and one of Stat 3113, Stat 3115, Stat 3117 or Stat 5643. Distance Course Rates Apply
5099	0.0-16.0	72024	IND	6DIS	ARR	ARR	ARR		Leopold,J
									Distance Course Rates Apply
5200	3.0- 3.0	71630	LEC	1DIS	TTh	11:00 - 12:15 pm	ARR		Markowsky,G
									Distance Course Rates Apply
5203	3.0- 3.0	73194	LEC	1DIS	ARR	ARR	ARR		Insall,E
									Prerequisite: Philos 1115 with junior standing or Math 5105 or Comp Sci 2500 or Comp Eng 2210. (Co-listed with Math 5154, Philos 4354 and Comp Eng 5803.) Course runs from October 16 through November 10. See 'Notes' for Class Schedule Distance Course Rates Apply
5300	3.0- 3.0	72978	LEC	1DIS	TTh	03:30 - 04:45 pm	ARR		Hurson,A
									Distance Course Rates Apply
5401	3.0- 3.0	72515	LEC	1DIS	TTh	02:00 - 03:15 pm	ARR		Tauritz,D
									Distance Course Rates Apply
5402	3.0- 3.0	72516	LEC	1DIS	CANCELLED				
									Prerequisites: A "C" or better in both Comp Sci 2300 and one of Stat 3111, Stat 3113, Stat 3115, Stat 3117.
6001	3.0- 3.0	80931	LEC	1DIS	TTh	08:00 - 09:15 am	ARR		Das,S
									Applied Graph Theory Prerequisite: A "C" or better grade in Comp Sci 5200. Distance Course Rates Apply
6010	3.0- 3.0	81135	LEC	1DIA	CANCELLED				
	1.0- 1.0	72056	RSD	2DIS	M	10:00 - 10:50 am	ARR		Markowsky,G
									Distance Course Rates Apply
6202	3.0- 3.0	71764	LEC	1DIS	M	04:00 - 06:30 pm	ARR		Gosavi,A
									Distance Course Rates Apply
6302	3.0- 3.0	80929	LEC	1DIS	CANCELLED				
									Prerequisite: A "C" or better grade in Comp Sci 5300
6303	3.0- 3.0	80930	LEC	1DIS	TTh	09:30 - 10:45 am	ARR		Lin,D
									Distance Course Rates Apply
6304	3.0- 3.0	72513	LEC	1DIS	TTh	02:00 - 03:15 pm	ARR		Madria,S
									Distance Course Rates Apply
6600	3.0- 3.0	72514	LEC	1DIS	CANCELLED				
									Prerequisite: A "C" or better grade in both Comp Sci 3600 and Comp Sci 5200.
6601	3.0- 3.0	80937	LEC	1DIS	MWF	10:00 - 10:50 am	ARR		Jiang,W
									Distance Course Rates Apply

Economics

4000	0.0- 6.0	72487	IND	6DIS	ARR	ARR	ARR		Gelles,G
									Distance Course Rates Apply

Electrical Engineering

2200	Introduction to Electronic Devices Prerequisites: Elec Eng 2100, Elec Eng 2101, and Physics 2135 each with grade of "C" or better; passing the Elec Eng Advancement Exam I. Students should enroll in Elec Eng 2200 and Elec Eng 2201 simultaneously.	3.0- 3.0	73180	LEC	1DIS	MWF	10:00 - 10:50 am	ARR		Dua,R
										Distance Course Rates Apply
3100	Electronics I Prerequisites: Elec Eng 2120, Elec Eng 2200, Elec Eng 2201, and Comp Eng 2210 each with a grade of "C" or better. Passing grade on Elec Eng Advancement Exam II and III. Elec Eng 3101 is a corequisite.	3.0- 3.0	72198	LEC	1DIS	MWF	09:00 - 09:50 am	ARR		Odun-Ayo,T
										Distance Course Rates Apply
3320	Control Systems Prerequisites: Elec Eng 2120 and Math 3304 each with a grade of "C" or better; passing the Elec Eng Advancement Exam II.	3.0- 3.0	72969	LEC	1DIS					CANCELLED
3340	Controllers For Factory Automation Prerequisites: Elec Eng 2120 and Comp Eng 2210 each with a grade of "C" or better.	3.0- 3.0		LEC	1DIS	TTh	08:00 - 09:15 am	ARR		Erickson,K
										Distance Course Rates Apply
		3.0- 3.0	71936	LAB	3DIS	ARR	ARR	ARR		Erickson,K
										Distance Course Rates Apply
4000	Special Problems	0.0- 6.0	72182	IND	6DIS	ARR	ARR	ARR		Zheng,Y
										Distance Course Rates Apply
5001	Special Topics	3.0- 3.0	81195	LEC	1DIS	Th	04:00 - 06:30 pm	ARR		Ferguson,I
										Design Innovation Engrs Prerequisite: Junior or above standing. (Co-listed with Comp Eng 5001)
										Distance Course Rates Apply
5099	Special Research And Thesis Prerequisite: Consent of instructor.	0.0-15.0	81158	IND	6DIS	ARR	ARR	ARR		Pommerenke,D
										Distance Course Rates Apply
5310	Computational Intelligence Prerequisite: Graduate Standing. (Co-listed with Comp Eng 5310 and Sys Eng 5211)	3.0- 3.0	72112	LEC	1DIS	W	04:00 - 06:30 pm	ARR		Corns,S
										Distance Course Rates Apply
5330	Fuzzy Logic Control Prerequisite: Elec Eng 3320.	3.0- 3.0	81027	LEC	1DIS					CANCELLED
5340	Advanced PLC Prerequisite: Elec Eng 3340.	3.0- 3.0		LEC	1DIS	MW	09:00 - 09:50 am	ARR		Erickson,K
										Distance Course Rates Apply
		3.0- 3.0	71977	LAB	3DIS	ARR	ARR	ARR		Erickson,K
										Distance Course Rates Apply
5380	Autonomous Mobile Robots Prerequisites: Elec Eng 3320 or equivalent and Stat 3117 or equivalent.	3.0- 3.0	72164	LEC	1DIS	Th	04:00 - 06:30 pm	ARR		Dierks,T
										Distance Course Rates Apply
5400	Digital Signal Processing II Prerequisites: Elec Eng 3410 or Elec Eng 3420.	3.0- 3.0	81028	LEC	1DIS	W	04:00 - 06:30 pm	ARR		Zheng,Y
										Distance Course Rates Apply
5430	Wireless Networks Prerequisites: Hardware competency, Elec Eng 3420 or Comp Eng 3150 and graduate standing. (Co-listed with Comp Eng 5430 and Sys Eng 5323)	3.0- 3.0		LEC	1DIS	MW	08:00 - 08:50 am	ARR		Zawodniok,M
										Distance Course Rates Apply
		3.0- 3.0	81000	LAB	3DIS	F	08:00 - 08:50 am	ARR		Zawodniok,M
										Distance Course Rates Apply
5520	Power Electronics Prerequisite: Elec Eng 3100.	3.0- 3.0	72082	LEC	1DIS	TTh	12:30 - 01:45 pm	ARR		Ferdowski,M
										Distance Course Rates Apply
5540	Power Systems Engineering Prerequisite: Elec Eng 3540.	3.0- 3.0	72552	LEC	1DIS	M	04:00 - 06:30 pm	ARR		Crow,M
										Distance Course Rates Apply
5600	Interference Control in Electronic Systems Prerequisites: Elec Eng 3400 and 3600.	3.0- 3.0	81029	LEC	1DIS	MWF	08:00 - 08:50 am	ARR		Beetner,D
										Distance Course Rates Apply
6001	Special Topics	3.0- 3.0	81030	LEC	1DIS	TTh	08:00 - 09:15 am	ARR		Nauert,P
										Power System Protection II Prerequisite: Elec Eng 6560 or equivalent, or consent of instructor.
										Distance Course Rates Apply

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	3.0-3.0	81187	LEC	1DIA	ARR	ARR	ARR		Wunsch,D
			Adv Computational Intelligence Prerequisite: A "C" or better grade in one of Sys Eng 5211, Elec Eng 5310, or Comp Eng 5310. (Co-listed with Comp Eng 6001 and Sys Eng 6001) Distance Course Rates Apply						
6099 Special Research And Thesis	0.0-15.0	72779	IND	6DIS	ARR	ARR	ARR		Kimball,J
	Prerequisite: Consent of instructor. Distance Course Rates Apply								
6300 Linear Control Systems	3.0-3.0	71461	LEC	1DIS	TTh	12:30 - 01:45 pm	ARR		Acar,L
	Prerequisite: Elec Eng 3320. Distance Course Rates Apply								
6500 Advanced Theory Of Electric Machines	3.0-3.0	81162	LEC	1DIS	ARR	ARR	ARR		Shamsi,P
	Prerequisite: Elec Eng 3500.								
6525 Power Converter Modeling and Design	3.0-3.0	81031	LEC	1DIS	TTh	02:00 - 03:15 pm	ARR		Kimball,J
	Prerequisite: Elec Eng 5520. Distance Course Rates Apply								
6530 Power System Reliability	3.0-3.0	81032	LEC	1DIS	TTh	09:30 - 10:45 am	ARR		Nauert,P
	Prerequisite: Stat 5643 or Elec Eng 5420. Distance Course Rates Apply								

Engineering Management

5110 Managerial Decision Making	3.0-3.0	71518	LEC	1DIS	W	07:00 - 09:30 pm	ARR		Spurlock,D
	Prerequisite: Senior or graduate standing. Distance Course Rates Apply								
5111 Management for Engineers and Scientists	3.0-3.0	71440	LEC	1DIS	W	04:00 - 06:30 pm	ARR		Spurlock,D
	Prerequisite: Graduate standing. Distance Course Rates Apply								
5210 Economic Decision Analysis	3.0-3.0	71200	LEC	1DIS	W	04:00 - 06:30 pm	ARR		Schuman,J
	Prerequisite: Graduate students without previous course in engineering economy because of partial overlap. Distance Course Rates Apply								
5212 Intelligent Investing	3.0-3.0	73181	LEC	1DIS	TTh	02:00 - 03:15 pm	ARR		Enke,D
	Prerequisites: Senior or Graduate Standing. Distance Course Rates Apply								
5316 Safety Engineering Management	3.0-3.0	71519	LEC	1DIS	Th	07:00 - 09:30 pm	ARR		Schmidt,M
	Prerequisite: Senior or graduate standing. Distance Course Rates Apply								
5320 Project Management	3.0-3.0	71201	LEC	1DIS	T	04:00 - 06:30 pm	ARR		Berry,R
	Prerequisite: Graduate Standing. Distance Course Rates Apply								
5330 Advanced Human Factors	3.0-3.0	71864	LEC	1DIB	CANCELLED				
	3.0-3.0	73156	LEC	1DIS	Th	07:00 - 09:30 pm	ARR		Baker,D
	(Co-listed with PSYCH 5710) Distance Course Rates Apply								
5412 Operations Management Science	3.0-3.0	71296	LEC	1DIS	M	07:00 - 09:30 pm	ARR		Konur,D
	Prerequisites: Graduate standing. Distance Course Rates Apply								
5511 Technical Entrepreneurship	3.0-3.0	72051	LEC	1DIS	T	07:00 - 09:30 pm	ARR		Bade,J
	Prerequisite: Senior or graduate standing. Distance Course Rates Apply								
5514 Patent Law	3.0-3.0	71375	LEC	1DIS	T	07:00 - 09:30 pm	ARR		Canis,R
	Prerequisite: Senior or graduate standing. (Co-listed with Chem Eng 4300) Distance Course Rates Apply								
5710 Six Sigma	3.0-3.0	71381	LEC	1DIS	TTh	12:30 - 01:45 pm	ARR		Cudney,E
	Prerequisite: Graduate standing. Distance Course Rates Apply								
5711 Total Quality Management	3.0-3.0	71520	LEC	1DIS	W	07:00 - 09:30 pm	ARR		Bade,J
	Prerequisite: Senior or graduate standing. Distance Course Rates Apply								
6099 Research	0.0-15.0	72467	IND	6DIS	ARR	ARR	ARR		Corns,S
	Distance Course Rates Apply								
	0.0-15.0	72468	IND	6DIA	ARR	ARR	ARR		Cudney,E
	Distance Course Rates Apply								
	0.0-15.0	72469	IND	6DIB	ARR	ARR	ARR		Dagli,C
	Distance Course Rates Apply								
	0.0-15.0	72470	IND	6DIC	ARR	ARR	ARR		Enke,D
	Distance Course Rates Apply								
	0.0-15.0	72651	IND	6DID	ARR	ARR	ARR		Gosavi,A
	Distance Course Rates Apply								
	0.0-15.0	72652	IND	6DIE	ARR	ARR	ARR		Grantham,K
	Distance Course Rates Apply								
	0.0-15.0	72653	IND	6DIF	ARR	ARR	ARR		Guardiola,I
	Distance Course Rates Apply								

		0.0-15.0	72654	IND	6DIG	ARR	ARR	ARR		Konur,D
				Distance Course Rates Apply						
		0.0-15.0	72655	IND	6DIH	ARR	ARR	ARR		Long,S
				Distance Course Rates Apply						
		0.0-15.0	72656	IND	6DIJ	ARR	ARR	ARR		Murray,S
				Distance Course Rates Apply						
		0.0-15.0	72657	IND	6DIK	ARR	ARR	ARR		Qin,R
				Distance Course Rates Apply						
		0.0-15.0	72658	IND	6DIL	ARR	ARR	ARR		Raper,S
				Distance Course Rates Apply						
6112	Leadership for Engineers Prerequisite: Eng Mgt 5110 or Psych 4602. (Co-listed with Psych 6611)	3.0- 3.0	71598	LEC	1DIS	ARR	ARR	ARR		Daughton,W
				Distance Course Rates Apply						
6211	Advanced Financial Management Prerequisite: Eng Mgt 1210 or 5210.	3.0- 3.0	71862	LEC	1DIS	Th	04:00 - 06:30 pm	ARR		Qin,R
				Distance Course Rates Apply						
6212	Investment Prerequisite: Eng Mgt 1210 or 308. (Co-listed with Sys Eng 6612)	3.0- 3.0	71203	LEC	1DIS	W	04:00 - 06:30 pm	ARR		Qin,R
				Distance Course Rates Apply						
6213	Financial Engineering Prerequisites: Eng Mgt 1210 or 5210. (Co-listed with Sys Eng 6613)	3.0- 3.0	71865	LEC	1DIS	M	04:00 - 06:30 pm	ARR		Enke,D
				Distance Course Rates Apply						
6322	Case Studies in Project Management Prerequisite: Eng Mgt 5320 or equivalent.	3.0- 3.0	71486	LEC	1DIS	W	07:00 - 09:30 pm	ARR		Hodges,S
				Distance Course Rates Apply						
6410	Markov Decision Processes Prerequisite: Graduate standing in background of probability or statistics. (Co-listed with Comp Eng 6310, Mech Eng 6447, Aero Eng 6447 and Comp Sci 6202)	3.0- 3.0	71715	LEC	1DIS	M	04:00 - 06:30 pm	ARR		Gosavi,A
				Distance Course Rates Apply						
6611	Lean Systems Prerequisite: Graduate standing.	3.0- 3.0	71202	LEC	1DIS	M	07:00 - 09:30 pm	ARR		Lin,H
				Distance Course Rates Apply						

Enterprise Resource Planning

4220	Introduction to Enterprise Decision Dashboard Prototyping Prerequisites: (ERP 2110 or ERP 5110) and one of ERP 5410, ERP 6444, or IS&T 6444.	3.0- 3.0	73122	LEC	1DIS	MWF	09:00 - 09:50 am	ARR		Lea,B
				Distance Course Rates Apply						

Enterprise Resource Planning

4610	Customer Relationship Management in ERP Environment	3.0- 3.0	81071	LEC	1DIS	M	04:00 - 06:30 pm	ARR		Claybaugh,C
5110	Enterprise Resource Planning Systems Design and Implementation Prerequisites: Preceded or accompanied by ERP 2110; or Graduate Standing and computer programming knowledge.	3.0- 3.0	71264	LEC	1DIS	TTh	09:30 - 10:45 am	ARR		Claybaugh,C
				Distance Course Rates Apply						
5310	Supply Chain Management Systems in an ERP Environment Prerequisite: ERP 2110 or preceded or accompanied by ERP 5110.	3.0- 3.0	71958	LEC	1DIS	W	04:00 - 06:30 pm	ARR		Lea,B
				Distance Course Rates Apply						
5410	Use of Business Intelligence Prerequisites: IS&T 3423 or equivalent; ERP 2110 or preceded or accompanied by ERP 5110.	3.0- 3.0	72099	LEC	1DIS	TTh	11:00 - 12:15 pm	ARR		Yu,W
				Distance Course Rates Apply						
6220	Data Modeling & Visualization Prototyping for Enterprise Decision Dashboards Prerequisites: ERP 5110 and one of ERP 5410, ERP 6444 or IS&T 6444.	3.0- 3.0	72884	LEC	1DIS	MWF	09:00 - 09:50 am	ARR		Lea,B
				Distance Course Rates Apply						
6610	Advanced Customer Relationship Management in ERP Environment	3.0- 3.0	81072	LEC	1DIS	M	04:00 - 06:30 pm	ARR		Claybaugh,C

Environmental Engineering

5605	Environmental Systems Modeling Prerequisites: Env Eng/Civ Eng 2601, Env Eng/Civ Eng 2602 and Env Eng/ Civ Eng 3603; or Graduate standing. (Co-listed with Civ Eng 5605)	3.0- 3.0	81206	LEC 1DIS	TTh	12:30 - 01:45 pm	ARR		Oerther,D
				Distance Course Rates Apply					
5642	Sustainability, Population, Energy, Water, and Materials Prerequisite: Senior or graduate standing. (Co-listed with Civ Eng 5642 and Arch Eng 5642)	3.0- 3.0	72823	LEC 1DIS	TTh	09:30 - 10:45 am	ARR		Fitch,M
				Distance Course Rates Apply					
6601	Biological Principles In Environmental Engineering Systems (Co-listed with Civ Eng 6601)	3.0- 3.0		LEC 1DIS	TTh	11:00 - 12:15 pm	ARR		Oerther,D
				Distance Course Rates Apply					
				LEC 1DIS	ARR	ARR	ARR		
				Distance Course Rates Apply					
		3.0- 3.0	72570	LAB 3DIS	ARR	ARR	ARR		Oerther,D
				Distance Course Rates Apply					

Explosives Engineering

5514	Display Fireworks Manufacturing Prerequisites: Chem 1310, Chem 1319, Chem 1100; one of Econ 1100, Econ 1200, Eng Mgt 1210; Successful background check.	3.0- 3.0		LEC 1DIS	ARR	ARR	ARR		Hall,S
				Distance Course Rates Apply					
		3.0- 3.0	72261	LAB 3DIS	ARR	ARR	ARR		Hall,S
				Distance Course Rates Apply					
5612	Principles of Explosives Engineering Prerequisites: Min Eng 2126; successful background check. (Co-listed with Min Eng 5612)	3.0- 3.0		LEC 1DIS	ARR	ARR	ARR		Worsey,P
				Distance Course Rates Apply					
		3.0- 3.0	71816	LAB 3DIS	ARR	ARR	ARR		Worsey,P
				Distance Course Rates Apply					
5711	Explosives in Industry	3.0- 3.0	81110	LEC 1DIS	ARR	ARR	ARR		Perry,K
				Distance Course Rates Apply					
6080	Industry Project Prerequisite: 12 hours Exp Eng coursework.	3.0- 3.0	71933	LAB 3DIS	ARR	ARR	ARR		Worsey,P
				Distance Course Rates Apply					
		3.0- 3.0	72803	LAB 3DIB	ARR	ARR	ARR		Johnson,C
				Distance Course Rates Apply					
		3.0- 3.0	73259	LAB 3DIA	ARR	ARR	ARR		Lusk,B
				Distance Course Rates Apply					
6099	Research Prerequisites: Consent of instructor required.	0.0-15.0	72075	IND 6DIS	ARR	ARR	ARR		Johnson,C
				Distance Course Rates Apply					
		0.0-15.0	72076	IND 6DIA	ARR	ARR	ARR		Worsey,P
				Distance Course Rates Apply					
6112	Explosives Regulations Prerequisite: Graduate standing.	3.0- 3.0	72262	LEC 1DIS	ARR	ARR	ARR		Worsey,G
				Distance Course Rates Apply					
6312	Scientific Instrumentation For Explosives Testing & Blasting Prerequisite: Exp Eng 5612 and Successful background check.	3.0- 3.0		LEC 1DIS	ARR	ARR	ARR		Johnson,C
				Distance Course Rates Apply					
		3.0- 3.0	80858	LAB 3DIS	ARR	ARR	ARR		Johnson,C
				Distance Course Rates Apply					
6464	Advanced Blast Vibration Analysis and Prediction Prerequisite: Exp Eng 5612.	3.0- 3.0	80856	LEC 1DIS	ARR	ARR	ARR		Lusk,B
				Distance Course Rates Apply					

Finance

5160	Corporate Finance II Prerequisite: Finance 2150.	3.0- 3.0	81087	LEC 1DIS	MWF	11:00 - 11:50 am	ARR		Liu,Y
				Distance Course Rates Apply					

Geological Engineering

5099	Research Prerequisite: Consent of instructor required.	0.0-15.0	71823	IND 6DIS	ARR	ARR	ARR		Maerz,N
				Distance Course Rates Apply					
		0.0-15.0	71980	IND 6DIA	ARR	ARR	ARR		Rogers,J
				Distance Course Rates Apply					
5237	Geological Aspects Of Hazardous Waste Management Prerequisite: Geo Eng 3175.	3.0- 3.0	80861	LEC 1DIS	ARR	ARR	ARR		Guggenberger,J
				Distance Course Rates Apply					
5332	Fundamentals of Groundwater Hydrology	3.0- 3.0	72704	LEC 1DIS	ARR	ARR	ARR		Grote,K
				Distance Course Rates Apply					

CATALOG # AND COURSE TITLE	CREDIT	CLASS#	CMP	SEC	DAY	TIME	BLDG	ROOM	INSTRUCTOR
5441 Engineering Geology And Geotechnics Prerequisite: Geo Eng 3175.	3.0- 3.0	71484	LEC	1DIS	M	04:00 - 06:30 pm	ARR		Rogers,J
									Communication Emphasized Distance Course Rates Apply
5471 Rock Engineering Prerequisite: Geo Eng 3175.	3.0- 3.0	71210	LEC	1DIS	T	04:00 - 06:30 pm	ARR		Maerz,N
									Herries,B
5761 Transportation Applications of Geophysics Prerequisite: Junior level standing or higher. (Co-listed with Geophys 5761 and Civ Eng 5750)	3.0- 3.0		LEC	1DIS	MW	12:00 - 12:50 pm	ARR		Anderson,N
	3.0- 3.0	71563	LAB	3DIS	M	02:00 - 02:50 pm	ARR		Anderson,N
									Distance Course Rates Apply
6000 Special Problems Prerequisite: Consent of instructor required.	0.0- 6.0	71581	IND	6DIS	ARR	ARR	ARR		Maerz,N
									Distance Course Rates Apply
6099 Research	0.0-15.0	81073	IND	6DIS	ARR	ARR	ARR		Maerz,N
									Distance Course Rates Apply
6400 Practice Oriented Project Prerequisites: Limited to students enrolled in the Masters of Engineering (M.E.) in Geotechnics Program.	3.0- 3.0	72765	IND	6DIS	ARR	ARR	ARR		Maerz,N
									Distance Course Rates Apply
6477 Discontinuous Rock Prerequisite: Min Eng 4823 or Geo Eng 5471.	3.0- 3.0	71873	LEC	1DIS	M	07:00 - 09:30 pm	ARR		Maerz,N
									Distance Course Rates Apply
6784 Advanced Engineering And Environmental Geophysics Prerequisite: Admittance into USAES-S&T Co-operative Degree Program. (Co-listed with Geophys 5251)	3.0- 3.0	81286	LEC	1DIS	ARR	ARR	ARR		Anderson,N

Geology

6421 Environmental Geology	3.0- 3.0	81236	LEC	1DIS	TTh	06:00 - 07:15 pm	ARR		Tucker,R
									Distance Course Rates Apply

Geophysics

5251 Advanced Engineering And Environmental Geophysics Prerequisite: Admittance into USAES-S&T Co-operative Degree Program. (Co-listed with Geo Eng 6784)	3.0- 3.0	81287	LEC	1DIS	ARR	ARR	ARR		Anderson,N
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Info Science & Technology

3000 Special Problems	0.0- 6.0	71429	IND	6DIS	ARR	ARR	ARR		Yu,W
									Distance Course Rates Apply
4261 Information Systems Project Management Prerequisites: IST 1552 or Comp Sci 1510; Senior Standing.	3.0- 3.0	72523	LEC	1DIS	T	07:00 - 09:30 pm	ARR		Flachsbar,B
									Distance Course Rates Apply
4641 Electronic and Mobile Commerce Prerequisites: IS&T 1750 and at least Sophomore standing.	3.0- 3.0	72149	LEC	1DIS	MWF	01:00 - 01:50 pm	ARR		Bates,C
									Distance Course Rates Apply
4680 Introduction to Web and New Media Studies Prerequisite: Junior or Senior standing.	3.0- 3.0	72017	LEC	1DIS	ARR	ARR	ARR		Hall,R
									Distance Course Rates Apply
5001 Special Topics	3.0- 3.0	80908	LEC	1DIS	T	04:00 - 06:30 pm	ARR		Canis,R
									Privacy & Info Security Law Prerequisite: Understanding of Management Information Systems.
									Distance Course Rates Apply
5251 Technological Innovation Management and Leadership Prerequisite: Senior or Graduate Standing.	3.0- 3.0	72045	LEC	1DIS	M	07:00 - 09:30 pm	ARR		Nah,F
									Distance Course Rates Apply
5885 Human-Computer Interaction	3.0- 3.0	71531	LEC	1DIS	MWF	02:00 - 02:50 pm	ARR		Bates,C
									Distance Course Rates Apply
5886 Prototyping Human-Computer Interactions Prerequisite: Preceded or accompanied by IS&T 5885.	3.0- 3.0	71961	LEC	1DIS	TTh	09:30 - 10:45 am	ARR		Twyman,N
									Distance Course Rates Apply

CATALOG # AND COURSE TITLE	CREDIT	CLASS#	CMP	SEC	DAY	TIME	BLDG	ROOM	INSTRUCTOR
6261 Advanced Information Systems Project Management Prerequisites: IS&T MS Entrance requirements, with strong programming knowledge.	3.0- 3.0	72206	LEC	1DIS	T	07:00 - 09:30 pm	ARR		Flachsbart,B
									Distance Course Rates Apply
6443 Information Retrieval and Analysis Prerequisite: ERP 5410 or statistics knowledge.	3.0- 3.0	72101	LEC	1DIS	TTh	02:00 - 03:15 pm	ARR		Yu,W
									Distance Course Rates Apply
6450 Information Visualization Prerequisites: Statistics, Calculus, and Programming Knowledge.	3.0- 3.0	72682	LEC	1DIS	MWF	10:00 - 10:50 am	ARR		Hilgers,M
									Distance Course Rates Apply
6641 Advanced Electronic and Mobile Commerce Prerequisites: Knowledge of management information systems.	3.0- 3.0	72150	LEC	1DIS	MWF	01:00 - 01:50 pm	ARR		Bates,C
									Distance Course Rates Apply
6654 Advanced Web and Digital Media Development	3.0- 3.0	72442	LEC	1DIS	TTh	11:00 - 12:15 pm	ARR		Hall,R
									Distance Course Rates Apply
6680 Advanced Web and New Media Studies	3.0- 3.0	72324	LEC	1DIS	ARR	ARR	ARR		Hall,R
									Distance Course Rates Apply
6887 Research Methods in Business and IS&T (Co-listed with BUS 6887)	3.0- 3.0	71906	LEC	1DIS	Th	07:00 - 09:30 pm	ARR		Nah,F
									Distance Course Rates Apply

Marketing

5310 Digital Marketing and Promotions Prerequisites: At least Junior standing.	3.0- 3.0	72122	LEC	1DIS	TTh	02:00 - 03:15 pm	ARR		Stanley,S
									Distance Course Rates Apply

Mathematics

5154 Mathematical Logic I Prerequisite: Philos 3254 or Math 5105 or Comp Sci 2500 or Comp Eng 2210. (Co-listed with Comp Eng 5803, Comp Sci 5203 and Philos 4354)	3.0- 3.0	73192	LEC	1DIS	ARR	ARR	ARR		Insall,E
									Course runs from October 16 through November 10. See 'Notes' for Class Schedule Distance Course Rates Apply
	3.0- 3.0	74051	LEC	1DIA	MTWThF	12:40 - 02:50 pm	ARR		Insall,E
									Class meets the first four weeks of the semester, June 6 - July 1, 2016. Distance Course Rates Apply
6001 Special Topics	3.0- 3.0	81144	LEC	1DIS	MWF	10:00 - 10:50 am	ARR		He,X
									Topics in PDE Prerequisite: Math 5325 or Math 6375 or Math 5604 or Math 6602. Distance Course Rates Apply
6601 Numerical Analysis Prerequisites: Any 4000 or higher level MATH course, or any instructor approved 4000 or higher level course from another discipline with a significant computational component.	3.0- 3.0	81143	LEC	1DIS	MWF	01:00 - 01:50 pm	ARR		He,X
									Distance Course Rates Apply

Mechanical Engineering

5000 Special Problems	0.0- 6.0	71835	IND	6DIS	ARR	ARR	ARR		Liou,F
									Distance Course Rates Apply
5131 Intermediate Thermofluid Mechanics Prerequisite: Mech Eng 3131 or Aero Eng 3131. (Co-listed with Aero Eng 5131)	3.0- 3.0	72092	LEC	1DIS	MWF	03:00 - 03:50 pm	ARR		Homan,K
									Distance Course Rates Apply
5139 Computational Fluid Dynamics Prerequisites: Comp Sci 1570 or 1970 or 1971; one course in fluid mechanics. (Co-listed with Aero Eng 5139)	3.0- 3.0	71645	LEC	1DIS	MWF	01:00 - 01:50 pm	ARR		Isaac,K
									Distance Course Rates Apply
5212 Introduction to Finite Element Analysis Prerequisite: Mech Eng 3708 or Aero Eng 4253 or consent of instructor for majors that do not require either of these courses, or graduate standing. (Co-listed with Aero Eng 5212)	3.0- 3.0	71756	LEC	1DIS	TTh	11:00 - 12:15 pm	ARR		Chandrashekara,K
									Distance Course Rates Apply
5238 Fatigue Analysis Prerequisite: Civ Eng 2210. (Co-listed with Aero Eng 5238)	3.0- 3.0	71282	LEC	1DIS	TTh	02:00 - 03:15 pm	ARR		Dharani,L
									Distance Course Rates Apply

CATALOG # AND COURSE TITLE	CREDIT	CLASS#	CMP	SEC	DAY	TIME	BLDG	ROOM	INSTRUCTOR	
5449 Robotic Manipulators and Mechanisms Prerequisites: Mech Eng 3313; Comp Sci 1970 or Comp Sci 1971 or Comp Sci 1972 or Comp Sci 1570. (Co-listed with Aero Eng 5449)	3.0- 3.0		LEC	1DIS	MW	08:00 - 08:50 am	ARR		Bristow,D	
			Distance Course Rates Apply							
	3.0- 3.0	80972	LAB	3DIS	F	08:00 - 08:50 am	ARR		Bristow,D	
			Distance Course Rates Apply							
5481 Mechanical And Aerospace Control Systems Prerequisite: Mech Eng 4479 or Aero Eng 3361. (Co-listed with Aero Eng 5481)	3.0- 3.0	71206	LEC	1DIS	MWF	09:00 - 09:50 am	ARR		Balakrishnan,S	
			Distance Course Rates Apply							
5527 Combustion Processes Prerequisite: Mech Eng 3521. (Co-listed with Aero Eng 5527)	3.0- 3.0	72859	LEC	1DIS	TTh	09:30 - 10:45 am	ARR		Koylu,U	
			Distance Course Rates Apply							
5571 Environmental Controls Prerequisites: Mech Eng 3521 and accompanied or preceded by Mech Eng 3525; or Mech Eng 2527 and Civ Eng 3330. (Co-listed with Arch Eng 5872)	3.0- 3.0	71627	LEC	1DIS	M	07:00 - 09:30 pm	ARR		Williams JR,G	
			Distance Course Rates Apply							
5708 Rapid Product Design And Optimization Prerequisite: Mech Eng 3708.	3.0- 3.0	71204	LEC	1DIS	TTh	09:30 - 10:45 am	ARR		Liou,F	
			Distance Course Rates Apply							
5715 Concurrent Engineering Prerequisites: Mech Eng 3313 or Aero Eng 3131, and Civ Eng 2210. (Co-listed with Aero Eng 5715)	3.0- 3.0	71205	LEC	1DIS	Th	07:00 - 09:30 pm	ARR		Appelman,H	
			Distance Course Rates Apply							
5763 Principles And Practice Of Computer Aided Design Prerequisites: Comp Sci 1570 or Comp Sci 1970 or Comp Sci 1971, Mech Eng 2761, Math 2222, at least Junior standing.	3.0- 3.0		LEC	1DIS	MW	11:00 - 11:50 am	ARR		Leu,M	
			Distance Course Rates Apply							
	3.0- 3.0	71209	LAB	3DIS	M	01:00 - 01:50 pm	ARR		Leu,M	
			Distance Course Rates Apply							
6000 Special Problems	0.0- 6.0	72816	IND	6DIS	ARR	ARR	ARR		Dharani,L	
			Distance Course Rates Apply							
6001 Special Topics	3.0- 3.0	81136	LEC	1DIS	MWF	12:00 - 12:50 pm	ARR		Homan,K	
			Adv Comp Thermofluid Prerequisites: Mech Eng 5131 or Aero Eng 5131; Mech Eng 5139 or Aero Eng 5139. (Co-listed with Aero Eng 6001)							
			Distance Course Rates Apply							
	3.0- 3.0	81141	LEC	1DIA	CANCELLED					
6099 Research	0.0-15.0	71415	IND	6DIS	ARR	ARR	ARR		Birman,V	
			Distance Course Rates Apply							
	0.0-15.0	71809	IND	6DIA	ARR	ARR	ARR		Dharani,L	
			Distance Course Rates Apply							
	0.0-15.0	71940	IND	6DIB	ARR	ARR	ARR		Krishnamurthy,K	
			Distance Course Rates Apply							
	0.0-15.0	72180	IND	6DIC	ARR	ARR	ARR		Landers,R	
			Distance Course Rates Apply							
	0.0-15.0	72184	IND	6DID	ARR	ARR	ARR		Leu,M	
			Distance Course Rates Apply							
	0.0-15.0	72824	IND	6DIF	ARR	ARR	ARR		Okafor,A	
			Distance Course Rates Apply							
	0.0-15.0	73266	IND	6DIG	ARR	ARR	ARR		Wojnar,C	
	0.0-15.0	73277	IND	6DIH	ARR	ARR	ARR		Kinzel,E	
6236 Advanced Fracture Mechanics Prerequisite: Aero Eng 5236 or Mech Eng 5236.	3.0- 3.0	73059	LEC	1DIS	TTh	11:00 - 12:15 pm	ARR		Dharani,L	
			Distance Course Rates Apply							
6284 Analysis of Laminated Composite Structures Prerequisite: Mech Eng 5282 or Aero Eng 5282. (Co-listed with Aero Eng 6284)	3.0- 3.0	71379	LEC	1DIS	W	04:00 - 06:30 pm	ARR		Birman,V	
			Distance Course Rates Apply							
6447 Markov Decision Processes Prerequisite: Graduate standing in background of probability or statistics. (Co-listed with Comp Eng 6310, Mech Eng 6447, Eng Mgt 6410 and Comp Sci 6202)	3.0- 3.0	71762	LEC	1DIS	M	04:00 - 06:30 pm	ARR		Gosavi,A	
			Distance Course Rates Apply							
6481 Advanced Topics in Decision and Control	3.0- 3.0	81051	LEC	1DIS	CANCELLED					

CATALOG # AND COURSE TITLE	CREDIT	CLASS#	CMP	SEC	DAY	TIME	BLDG	ROOM	INSTRUCTOR
6704 Mechanics of Machinery Prerequisites: Vector & matrix analysis; introductory planar kinematic & dynamic analysis of mechanisms; MECH ENG 5704 or equivalent.	3.0- 3.0	72534	LEC	1DIS	MWF	12:00 - 12:50 pm	ARR		Midha,A
									Distance Course Rates Apply
Mining Engineering									
4000 Special Problems	0.0- 6.0	71907	IND	6DIA	ARR	ARR	ARR		Weiss,D
									Distance Course Rates Apply
4122 Advanced Mine Health and Safety Prerequisite: Min Eng 2126.	3.0- 3.0	73139	LEC	1DIS	TTh	08:00 - 09:15 am	ARR		Weiss,D
									Distance Course Rates Apply
4322 Coal Mine Development And Production Prerequisite: Accompanied or preceded by Min Eng 4912.	3.0- 3.0	73128	LEC	1DIS	ARR	ARR	ARR		
									Distance Course Rates Apply
4424 Mineral Processing II (Mechanics and Design)	3.0- 3.0	72437	LEC	1DIS	ARR	ARR	ARR		
									Distance Course Rates Apply
	3.0- 3.0	72438	LAB	3DIS	ARR	ARR	ARR		
									Distance Course Rates Apply
4512 Mine Management Prerequisite: Completion of 50 credits toward Mining Engineering degree. (Co-listed ECON 4512)	3.0- 3.0	72778	LEC	1DIS	MWF	09:00 - 09:50 am	ARR		Weiss,D
									Communication Emphasized
									Distance Course Rates Apply
4912 Mine Power And Drainage Prerequisites: Chem 3410 and Civ Eng 3330.	3.0- 3.0		LEC	1DIS	ARR	ARR	ARR		Galecki,G
									Field Trip Required
									Distance Course Rates Apply
	3.0- 3.0	72035	LAB	3DIS	ARR	ARR	ARR		Galecki,G
									Distance Course Rates Apply
4932 Underground Mining Methods And Equipment Prerequisite: Preceded or accompanied by Min Eng 3913.	3.0- 3.0	72740	LEC	1DIS	CANCELLED				
5912 Advanced Mine Power And Drainage Prerequisite: Mi Eng 4912 or Consent of Instructor.	3.0- 3.0		LEC	1DIS	ARR	ARR	ARR		Galecki,G
									Distance Course Rates Apply
	3.0- 3.0	72785	LAB	3DIS	ARR	00:00 - 00:00 am			Galecki,G
									Distance Course Rates Apply
5932 Advanced Underground Mining Methods Prerequisite: Mi Eng 4932 or Consent of Instructor.	3.0- 3.0	72787	LEC	1DIS	ARR	ARR			
									Distance Course Rates Apply
6000 Special Problems	0.0- 6.0	71567	IND	6DIS	ARR	ARR	ARR		Aouad,N
									Distance Course Rates Apply
	0.0- 6.0	72033	IND	6DIA	ARR	ARR	ARR		Awuah-Offei,K
									Distance Course Rates Apply
	0.0- 6.0	72143	IND	6DIB	ARR	ARR	ARR		Galecki,G
									Distance Course Rates Apply
	0.0- 6.0	72179	IND	6DIC	ARR	ARR	ARR		Ge,M
									Distance Course Rates Apply
	0.0- 6.0	73250	IND	6DID	ARR	ARR	ARR		Lusk,B
6080 Graduate Project Prerequisites: Graduate Standing.	3.0- 3.0	72741	IND	6DIS	ARR	ARR	ARR		Galecki,G
									Distance Course Rates Apply
	3.0- 3.0	72834	IND	6DIA	ARR	ARR	ARR		Weiss,D
									Distance Course Rates Apply
	3.0- 3.0	73256	IND	6DIB	ARR	ARR	ARR		Perry,K
									Distance Course Rates Apply
6099 Research	0.0-15.0	73248	IND	6DIS	ARR	ARR	ARR		Lusk,B
6132 Advanced Mine Health And Safety Design Prerequisite: Graduate standing.	3.0- 3.0	71207	LEC	1DIS	TTh	08:00 - 09:15 am	ARR		Weiss,D
									Distance Course Rates Apply
6133 Mine Atmospheric Control II Prerequisite: Min Eng 4113.	3.0- 3.0	71465	LEC	1DIS	ARR	ARR	ARR		
									Distance Course Rates Apply
6622 Environmental Controls For Blasting Prerequisites: Min Eng 5612, Successful background check. (Co-listed with Exp Eng 6412)	3.0- 3.0		LEC	1DIS	ARR	ARR	ARR		Worsey,P
	3.0- 3.0	73074	LAB	3DIS	ARR	ARR	ARR		Worsey,P
6842 Advanced Rock Mechanics Prerequisite: Min Eng 4823 or Civ Eng 3715.	3.0- 3.0	71678	LEC	1DIS	TTh	03:30 - 04:45 pm	ARR		Ge,M
									Distance Course Rates Apply

Philosophy

4354	Mathematical Logic I Prerequisite: Philos 1115 with junior standing or Math 5105 or Comp Sci 2500 or Comp Eng 2210. (Co-listed with Comp Eng 5803, Comp Sci 5203 and Math 5154)	3.0- 3.0	73195	LEC	1DIS	ARR	ARR	ARR		Insall,E
Course runs from October 16 through November 10. See 'Notes' for Class Schedule Distance Course Rates Apply										

Psychology

5010	Introduction to Industrial / Organizational Psychology Prerequisite: Graduate standing.	3.0- 3.0	81157	LEC	1DIS	M		04:00 - 06:30 pm	ARR	Kueny,C
Distance Course Rates Apply										
5202	Applied Psychological Data Analysis	3.0- 3.0	72520	RSD	2DIS					Burns,D
CANCELLED										
5210	Advanced Research Methods Prerequisite: Graduate standing.	3.0- 3.0	81067	LEC	1DIS	M		07:00 - 09:30 pm	ARR	Weidner,N
Distance Course Rates Apply										
5700	Job Analysis and Performance Management Prerequisite: Psych 4700 or graduate standing.	3.0- 3.0	72522	LEC	1DIS	W		04:00 - 06:30 pm	ARR	Kueny,C
Distance Course Rates Apply										
5710	Advanced Human Factors (Co-listed with Eng Mgt 5330)	3.0- 3.0	73013	LEC	1DIS	Th		07:00 - 09:30 pm	ARR	Baker,D
Distance Course Rates Apply										
6611	Leadership for Engineers Prerequisite: Eng Mgt 5110 or Psych 4602. (Co-listed with Eng Mgt 6112)	3.0- 3.0	73157	LEC	1DIS	ARR	ARR		ARR	Daughton,W
Distance Course Rates Apply										
6702	Personnel Selection Prerequisite: Psych 5700.	3.0- 3.0	72009	LEC	1DIS	T		04:00 - 06:30 pm	ARR	Stone,N
Distance Course Rates Apply										

Statistics

5353	Statistical Data Analysis Prerequisites: Math 2222 and one of Stat 1115, 3113, 3115 and 3117.	3.0- 3.0	73012	LEC	1DIS	TTh		12:30 - 01:45 pm	ARR	Samaranayake,V
Distance Course Rates Apply										
5643	Probability And Statistics Prerequisite: Math 2222.	3.0- 3.0	81142	LEC	1DIS	TTh		02:00 - 03:15 pm	ARR	Adekpedjou,A
Distance Course Rates Apply										

Systems Engineering

5000	Special Problems	1.0- 6.0	72189	IND	6DIS	ARR	ARR		ARR	Dagli,C
Distance Course Rates Apply										
5101	System Engineering and Analysis Prerequisite: Graduate Standing.	3.0- 3.0	71261	LEC	1DIS	T		04:00 - 06:30 pm	ARR	
Distance Course Rates Apply										
5211	Computational Intelligence Prerequisite: Graduate Standing. (Co-listed with Elec Eng 5310 and Comp Eng 5310)	3.0- 3.0	72113	LEC	1DIS	W		04:00 - 06:30 pm	ARR	Corns,S
Distance Course Rates Apply										
5323	Wireless Networks Prerequisites: Hardware competency, Elec Eng 3420 or Comp Eng 3150 and graduate standing. (Co-listed with Comp Eng 5430 and Elec Eng 5430)	3.0- 3.0		LEC	1DIS	MW		08:00 - 08:50 am	ARR	Zawodniok,M
Distance Course Rates Apply										
		3.0- 3.0	80998	LAB	3DIS	F		08:00 - 08:50 am	ARR	Zawodniok,M
Distance Course Rates Apply										
6001	Special Topics Adv Computational Intelligence Prerequisite: A "C" or better grade in one of Sys Eng 5211, Elec Eng 5310, or Comp Eng 5310. (Co-listed with Comp Eng 6001 and Elec Eng 6001)	3.0- 3.0	81183	LEC	1DIS	ARR	ARR		ARR	Wunsch,D
Distance Course Rates Apply										
6099	Research Prerequisite: Graduate standing.	1.0-15.0	72465	IND	6DIS	ARR	ARR		ARR	Corns,S
Distance Course Rates Apply										
		1.0-15.0	72466	IND	6DIA	ARR	ARR		ARR	Cudney,E
Distance Course Rates Apply										
		1.0-15.0	72659	IND	6DIB	ARR	ARR		ARR	Dagli,C
Distance Course Rates Apply										
		1.0-15.0	72660	IND	6DIC	ARR	ARR		ARR	Enke,D
Distance Course Rates Apply										
		1.0-15.0	72661	IND	6DID	ARR	ARR		ARR	Gosavi,A
Distance Course Rates Apply										
		1.0-15.0	72662	IND	6DIE	ARR	ARR		ARR	Grantham,K
Distance Course Rates Apply										

CATALOG # AND COURSE TITLE	CREDIT	CLASS#	CMP	SEC	DAY	TIME	BLDG	ROOM	INSTRUCTOR
	1.0-15.0	72663	IND	6DIF	ARR	ARR	ARR		Guardiola,I
			Distance Course Rates Apply						
	1.0-15.0	72664	IND	6DIG	ARR	ARR	ARR		Konur,D
			Distance Course Rates Apply						
	1.0-15.0	72665	IND	6DIH	ARR	ARR	ARR		Long,S
			Distance Course Rates Apply						
	1.0-15.0	72666	IND	6DIJ	ARR	ARR	ARR		Murray,S
			Distance Course Rates Apply						
	1.0-15.0	72667	IND	6DIK	ARR	ARR	ARR		Qin,R
			Distance Course Rates Apply						
	1.0-15.0	72668	IND	6DIL	ARR	ARR	ARR		Raper,S
			Distance Course Rates Apply						
6102	Information Based Design	3.0- 3.0	71623	LEC	1DIS	W	04:00 - 06:30 pm	ARR	Guardiola,I
	Prerequisites: Graduate Standing.								
			Distance Course Rates Apply						
6104	Systems Architecting	3.0- 3.0	71311	LEC	1DIS	T	07:00 - 09:30 pm	ARR	Dagli,C
	Prerequisites: Graduate Standing.								
			Distance Course Rates Apply						
6105	Complex Engineering Systems Project Management	3.0- 3.0	71413	LEC	1DIS	CANCELLED			
	Prerequisites: Graduate Standing.								
6196	Systems Engineering Capstone	3.0- 3.0	71411	LEC	1DIS	M	07:00 - 09:30 pm	ARR	Pape II,L
	Prerequisites: Sys Eng 6105.								
			Distance Course Rates Apply						
6213	Advanced Neural Networks	3.0- 3.0	81242	LEC	1DIS	W	07:00 - 09:30 pm	ARR	Dagli,C
			Distance Course Rates Apply						
6239	Smart Engineering System Design	3.0- 3.0	72535	LEC	1DIS	M	07:00 - 09:30 pm	ARR	Dagli,C
	Prerequisites: Graduate Standing.								
			Distance Course Rates Apply						
6541	Distributed Systems Modeling	3.0- 3.0	72538	LEC	1DIS	Th	07:00 - 09:30 pm	ARR	Merz,C
			Distance Course Rates Apply						
6612	Investment	3.0- 3.0	72607	LEC	1DIS	W	04:00 - 06:30 pm	ARR	Qin,R
	Prerequisite: Eng Mgt 1210 or 5210. (Co-listed with Eng Mgt 6212)								
			Distance Course Rates Apply						
6613	Financial Engineering	3.0- 3.0	72608	LEC	1DIS	M	04:00 - 06:30 pm	ARR	Enke,D
	Prerequisites: Eng Mgt 1210 or 5210. (Co-listed with Eng Mgt 6213)								
			Distance Course Rates Apply						
Technical Communication									
5610	History of Technical Communication	3.0- 3.0	80900	LEC	1DIS	W	07:00 - 07:50 pm	ARR	Malone,E
	Prerequisites: One semester of college composition or technical writing, or graduate standing.								
			Distance Course Rates Apply						
6450	Advanced International Technical Communication	3.0- 3.0	80898	LEC	1DIS	T	07:00 - 07:50 pm	ARR	Malone,E
	Prerequisite: Graduate Standing.								
			Distance Course Rates Apply						