

## 2017 SPRING SEMESTER DISTANCE EDUCATION CLASS OFFERINGS

CATALOG # AND COURSE TITLE	CREDIT	CLASS#	CMP	SEC	DAY	TIME	BLDG	ROOM	INSTRUCTOR
<b>Aerospace Engineering</b>									
5234 <b>Stability of Engineering Structures</b> Prerequisites: Civ Eng 2210; Math 3304; and Mech Eng 2350 or Mech Eng 2360 or Aero Eng 2360. (Co-listed with Mech Eng 5234)	3.0- 3.0	73233	LEC	1DIS	T	04:00 - 06:30 pm	ARR		Birman,V
									<b>Distance Course Rates Apply</b>
5236 <b>Fracture Mechanics</b> Prerequisite: Civ Eng 2210. (Co-listed with Mech Eng 5236)	3.0- 3.0	71199	LEC	1DIS	TTh	12:30 - 01:45 pm	ARR		Dharani,L
									<b>Distance Course Rates Apply</b>
5282 <b>Introduction to Composite Materials &amp; Structures</b> Prerequisite: Civ Eng 2210. (Co-listed with Mech Eng 5282)	3.0- 3.0	71058	LEC	1DIS	TTh	09:30 - 10:45 am	ARR		Chandrashekhara,K
									<b>Distance Course Rates Apply</b>
5830 <b>Applied Computational Methods</b> Prerequisite: Comp Sci 1570 or 1970 or 1981; Math 3304. (Co-listed with Mech Eng 5830)	3.0- 3.0	72279	LEC	1DIS	TTh	11:00 - 12:15 pm	ARR		Hosder,S
									<b>Distance Course Rates Apply</b>
6001 <b>Special Topics</b>	3.0- 3.0	73488	LEC	1DIS	MWF	08:00 - 08:50 am	ARR		Bristow,D
									Iter & Rep Proc Control Prerequisites: Mech Eng 5481 or Elec Eng 6300. (Co-listed with Mech Eng 6001)
									<b>Distance Course Rates Apply</b>
6099 <b>Research</b>	0.0-15.0	71628	IND	6DIS	ARR	ARR	ARR		Birman,V
									<b>Distance Course Rates Apply</b>
	0.0-15.0	71923	IND	6DIA	ARR	ARR	ARR		Dharani,L
									<b>Distance Course Rates Apply</b>
	0.0-15.0	72026	IND	6DIB	ARR	ARR	ARR		Eversman,W
									<b>Distance Course Rates Apply</b>
	0.0-15.0	72160	IND	6DIC	ARR	ARR	ARR		Riggins,D
									<b>Distance Course Rates Apply</b>
	0.0-15.0	72575	IND	6DID	ARR	ARR	ARR		Rovey,J
									<b>Distance Course Rates Apply</b>
6123 <b>Viscous Fluid Flow</b> Prerequisite: Mech Eng 5131 or Aero Eng 5131 or Mech Eng 5139 or Aero Eng 5139 or equivalent. (Co-listed with Mech Eng 6123)	3.0- 3.0	72109	LEC	1DIS	MWF	11:00 - 11:50 am	ARR		Isaac,K
									<b>Distance Course Rates Apply</b>
6137 <b>Physical Gas Dynamics I</b> Prerequisite: Mech Eng 5131 or Aero Eng 5131. (Co-listed with Mech Eng 6137)	3.0- 3.0	73490	LEC	1DIS	TTh	09:30 - 10:45 am	ARR		Rovey,J
									<b>Distance Course Rates Apply</b>
6212 <b>Advanced Finite Element Analysis</b> Prerequisite: Mech Eng 5212 or Aero Eng 5212. (Co-listed with Mech Eng 6212)	3.0- 3.0	71726	LEC	1DIS	TTh	11:00 - 12:15 pm	ARR		Chandrashekhara,K
									<b>Distance Course Rates Apply</b>
6222 <b>Theory of Elasticity</b> Prerequisites: Civ Eng 2210. (Co-listed with Mech Eng 6222)	3.0- 3.0	72626	LEC	1DIS	TTh	02:00 - 03:15 pm	ARR		Dharani,L
									<b>Distance Course Rates Apply</b>
6458 <b>Adaptive Dynamic Programming</b> Prerequisites: Elec Eng 5370 or Comp Eng 5310. (Co-listed with Comp Eng 6320, Elec Eng 6360, Mech Eng 6458 and Sys Eng 6215)	3.0- 3.0	73292	LEC	1DIS	T	07:00 - 09:30 pm	ARR		Wunsch,D
									<b>Distance Course Rates Apply</b>
6527 <b>Heat Transfer by Convection</b> Prerequisite: Mech Eng 5525 or Aero Eng 5525. (Co-listed with Mech Eng 6527)	3.0- 3.0	72133	LEC	1DIS	MWF	09:00 - 09:50 am	ARR		Homan,K
									<b>Distance Course Rates Apply</b>

## Architectural Engineering

5231	<b>Infrastructure Strengthening with Composites</b> Prerequisites: Arch Eng / Civ Eng 3201, Arch Eng / Civ Eng 3220. (Co-listed with Civ Eng 5231)	3.0- 3.0	73200	LEC	1DIS	TTh	08:00 - 09:15 am	ARR		Myers,J
										<b>Distance Course Rates Apply</b>
5270	<b>Structural Masonry Design</b> Prerequisites: Arch Eng 3201 or Civ Eng 3201. (Co-listed with Civ Eng 5270)	3.0- 3.0	73201	LEC	1DIS	Th	04:00 - 06:30 pm	ARR		Mcmillian,D
										<b>Distance Course Rates Apply</b>
5442	<b>Construction Planning and Scheduling Strategies</b> Prerequisite: Civ Eng or Arch Eng 4448. (Co-listed with Civ Eng 5442)	3.0- 3.0	71518	LEC	1DIS	M	04:00 - 06:30 pm	ARR		Bodapati,S
										<b>Distance Course Rates Apply</b>
5445	<b>Construction Methods</b> Prerequisite: Arch Eng 4448 with a grade of "C" or better. (Co-listed with Civ Eng 5445)	3.0- 3.0	71359	LEC	1DIS	W	04:00 - 06:30 pm	ARR		Augenstein,A
										<b>Distance Course Rates Apply</b>
5448	<b>Green Engineering: Analysis of Constructed Facilities</b> Prerequisites: Civ Eng 4448 or Arch Eng 4448; and Junior Standing. (Co-listed with Civ Eng 5448)	3.0- 3.0	71717	LEC	1DIS	MWF	09:00 - 09:50 am	ARR		Scott-Showalter,P
										<b>Distance Course Rates Apply</b>
5449	<b>Engineering and Construction Contract Specifications</b> Prerequisite: Arch Eng 4448 with a grade of "C" or better. (Co-listed with Civ Eng 5449)	3.0- 3.0	72105	LEC	1DIS	MWF	11:00 - 11:50 am	ARR		Scott-Showalter,P
										<b>Distance Course Rates Apply</b>
5729	<b>Foundation Engineering II</b> Prerequisite: Arch Eng 3220 with a grade of "C" or better. (Co-listed with Civ Eng 5729)	3.0- 3.0	72761	LEC	1DIS	CANCELLED				

## Business

5470	<b>Human Resource Management</b> Prerequisite: Bus 1110.	3.0- 3.0	72451	LEC	1DIS	W	07:00 - 09:30 pm	ARR		Tharp,J
										<b>Distance Course Rates Apply</b>
5580	<b>Strategic Management</b> Prerequisites: MKT 3110 or Eng Mgt 3510; Finance 2150 or Eng Mgt 3200; Senior standing.	3.0- 3.0	73425	LEC	1DIS	MWF	02:00 - 02:50 pm	ARR		Fang,H
5980	<b>Business Models for Entrepreneurship and Innovation</b> Prerequisite: Senior or graduate standing.	3.0- 3.0	73426	LEC	1DIS	MWF	03:00 - 03:50 pm	ARR		Fang,H
6224	<b>Managerial Accounting and Control</b> Prerequisite: Graduate standing.	3.0- 3.0	71521	LEC	1DIS	M	04:00 - 06:30 pm	ARR		Eng,L
										<b>See 'Notes' for Class Schedule</b>
										<b>Distance Course Rates Apply</b>
6425	<b>Supply Chain and Project Management</b> Prerequisite: Graduate standing.	3.0- 3.0	71522	LEC	1DIS	T	04:00 - 06:30 pm	ARR		Elrod,C
										<b>Distance Course Rates Apply</b>
6675	<b>Advanced International Business</b> Prerequisites: MKT 3110 or MKT 5105 or Eng Mgt 3510.	3.0- 3.0	72448	LEC	1DIS	MWF	01:00 - 01:50 pm	ARR		Stanley,S
										<b>Distance Course Rates Apply</b>
6723	<b>Corporate Information Systems Management</b> Prerequisite: Graduate standing.	3.0- 3.0	71677	LEC	1DIS	Th	07:00 - 09:30 pm	ARR		Siau,K
										<b>Distance Course Rates Apply</b>

## Chemical Engineering

5130	<b>Risk Assessment and Reduction</b> Prerequisite: Senior or Graduate Standing. (Co-listed with Eng Mgt 4312)	3.0- 3.0	71722	LEC	1DIS	M	07:00 - 09:30 pm	ARR		Schmidt,M
										<b>Distance Course Rates Apply</b>
5190	<b>Plantwide Process Control</b> Prerequisites: Chem Eng 4110 or Elec Eng 3320 or Elec Eng 3340 or graduate standing. (Co-listed with Elec Eng 5350)	3.0- 3.0	72070	LEC	1DIS	TTh	02:00 - 03:15 pm	ARR		Erickson,K
										<b>Distance Course Rates Apply</b>

## Civil Engineering

3842	<b>Fundamentals of Building Systems</b>	3.0- 3.0	73370	LEC	1DIS	TTh	09:30 - 10:45 am	ARR		Gillis,W
										<b>Distance Course Rates Apply</b>

CATALOG # AND COURSE TITLE	CREDIT	CLASS#	CMP	SEC	DAY	TIME	BLDG	ROOM	INSTRUCTOR
5231 <b>Infrastructure Strengthening with Composites</b> Prerequisites: Civ Eng / Arch Eng 3201, Civ Eng / Arch Eng 3220. (Co-listed with Arch Eng 5231)	3.0- 3.0	73203	LEC	1DIS	TTh	08:00 - 09:15 am	ARR		Myers,J
									<b>Distance Course Rates Apply</b>
5250 <b>Air Transportation</b> Prerequisite: Civ Eng 3500 with a grade of "C" or better.	3.0- 3.0		LEC	1DIS	Th	07:00 - 08:00 pm	ARR		Trueblood,M
									<b>Distance Course Rates Apply</b>
	3.0- 3.0	71306	LAB	3DIS	Th	08:00 - 09:30 pm	ARR		Trueblood,M
									<b>Distance Course Rates Apply</b>
5270 <b>Structural Masonry Design</b> Prerequisites: Arch Eng 3201 or Civ Eng 3201. (Co-listed with Arch Eng 5270)	3.0- 3.0	73204	LEC	1DIS	Th	04:00 - 06:30 pm	ARR		McMillian,D
									<b>Distance Course Rates Apply</b>
5338 <b>Hydrologic Engineering</b> Prerequisite: Civ Eng 3334 with a grade of "C" or better.	3.0- 3.0	72135	LEC	1DIS	TTh	08:00 - 09:15 am	ARR		Pierson,M
									<b>Distance Course Rates Apply</b>
5442 <b>Construction Planning and Scheduling Strategies</b> Prerequisite: Civ Eng or Arch Eng 4448. (Co-listed with Arch Eng 5442)	3.0- 3.0	71515	LEC	1DIS	M	04:00 - 06:30 pm	ARR		Bodapati,S
									<b>Distance Course Rates Apply</b>
5445 <b>Construction Methods</b> Prerequisite: Civ Eng 4448 with a grade of "C" or better. (Co-listed with Arch Eng 5445)	3.0- 3.0	71360	LEC	1DIS	W	04:00 - 06:30 pm	ARR		Augenstein,A
									<b>Distance Course Rates Apply</b>
5448 <b>Green Engineering: Analysis of Constructed Facilities</b> Prerequisites: Civ Eng 4448 or Arch Eng 4448; and Junior Standing. (Co-listed with Arch Eng 5448)	3.0- 3.0	71716	LEC	1DIS	MWF	09:00 - 09:50 am	ARR		Scott-Showalter,P
									<b>Distance Course Rates Apply</b>
5449 <b>Engineering and Construction Contract Specifications</b> Prerequisite: Civ Eng 4448 with a grade of "C" or better. (Co-listed with Arch Eng 5449)	3.0- 3.0	72107	LEC	1DIS	MWF	11:00 - 11:50 am	ARR		Scott-Showalter,P
									<b>Distance Course Rates Apply</b>
5640 <b>Environmental Law And Regulations</b> (Co-listed with Env Eng 5640)	3.0- 3.0	71427	LEC	1DIS	M	07:00 - 09:30 pm	ARR		Flechas,F
									<b>Distance Course Rates Apply</b>
5650 <b>Public Health Engineering</b> Prerequisite: Civ Eng 2601 with a grade of "C" or better. (Co-listed with Env Eng 5650)	3.0- 3.0	72825	LEC	1DIS	TTh	11:00 - 12:15 pm	ARR		Oerther,D
									<b>Distance Course Rates Apply</b>
5729 <b>Foundation Engineering II</b> Prerequisites: Civ Eng 4729 with a grade of "C" or better. (Co-listed with Arch Eng 5729)	3.0- 3.0	72760	LEC	1DIS	<b>CANCELLED</b>				
5744 <b>Geosynthetics in Engineering</b>	3.0- 3.0	73546	LEC	1DIS	W	04:00 - 06:30 pm	ARR		
6099 <b>Research</b>	0.0-15.0	72034	IND	6DIS	ARR	ARR	ARR		Chen,G
									<b>Distance Course Rates Apply</b>
6211 <b>Plastic Analysis And Design Of Metal Structures</b>	3.0- 3.0	73202	LEC	1DIS	TTh	02:00 - 03:15 pm	ARR		ElGawady,M
									<b>Distance Course Rates Apply</b>
6338 <b>Advanced Hydrology</b> Prerequisite: Civ Eng 3333.	3.0- 3.0	71687	LEC	1DIS	W	04:00 - 06:30 pm	ARR		Wilson,L
									<b>Distance Course Rates Apply</b>
6501 <b>Transportation Planning</b> Prerequisite: Civ Eng 5513 or consent of instructor.	3.0- 3.0	72130	LEC	1DIS	W	07:00 - 09:30 pm	ARR		Trueblood,M
									<b>Distance Course Rates Apply</b>
6612 <b>Biological Operations In Environmental Engineering Systems</b> Prerequisite: Civ Eng 3330 or equivalent. (Co-listed with Env Eng 6612)	3.0- 3.0	72239	LEC	1DIS	TTh	11:00 - 12:15 pm	ARR		Fitch,M
									<b>Distance Course Rates Apply</b>
6715 <b>Advanced Soil Mechanics</b> Prerequisite: Civ Eng 5715.	3.0- 3.0	72446	LEC	1DIS	T	07:00 - 09:30 pm	ARR		Deng,W
									<b>Distance Course Rates Apply</b>
6716 <b>Soil Stabilization</b> Prerequisite: Civ Eng 5715.	3.0- 3.0	72993	LEC	1DIS	M	07:00 - 09:30 pm	ARR		
									<b>Distance Course Rates Apply</b>
<b>Computer Engineering</b>									
4000 <b>Special Problems</b>	1.0- 6.0	71135	IND	6DIS	ARR	ARR	ARR		
									<b>Distance Course Rates Apply</b>

CATALOG #	AND COURSE TITLE	CREDIT	CLASS#	CMP	SEC	DAY	TIME	BLDG	ROOM	INSTRUCTOR
5099	<b>Special Research And Thesis</b>	1.0-15.0	70999	IND	6DIS	ARR	ARR	ARR		
5130	<b>Advanced Microcomputer System Design</b> Prerequisites: COMP ENG 5110.	3.0- 3.0	73286	LEC	1DIS	Th	07:00 - 09:30 pm	ARR		Hanna,W
5170	<b>Real-Time Systems</b> Prerequisites: COMP ENG 3150 or COMP SCI 3800.	3.0- 3.0	72675	LEC	1DIS	MWF	11:00 - 11:50 am	ARR		Zawodniok,M
5220	<b>Digital System Modeling</b> Prerequisite: Comp Eng 2210 with a grade of "C" or better.	3.0- 3.0	73287	LEC	1DIS	MWF	01:00 - 01:50 pm	ARR		Cutitaru,M
5410	<b>Introduction to Computer Communication Networks</b> Prerequisites: Comp Eng 3150 or computer hardware competency and Stat 3117 or Stat 3115 or Stat 5643 or equivalent.	3.0- 3.0	72871	LEC	1DIS	TTh	11:00 - 12:15 pm	ARR		Sedighsarvestani,S
5620	<b>Signal Integrity in High-Speed Digital &amp; Mixed Signal Design</b> Prerequisites: Elec Eng 3600 or Comp Eng 3150, and Senior standing. (Co-listed with Elec Eng 5620)	3.0- 3.0	71055	LEC	1DIS	MWF	10:00 - 10:50 am	ARR		Drewniak,J
5803	<b>Mathematical Logic I</b> 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	72948	LEC	1DIS	ARR	ARR	ARR		Insall,E
6099	<b>Special Research and Thesis</b>	1.0-15.0	73124	IND	6DIS	ARR	ARR	ARR		Wunsch,D
6120	<b>Advanced Computer Architecture II</b> Prerequisites: COMP ENG 6110.	3.0- 3.0	73288	LEC	1DIS	Th	07:00 - 09:30 pm	ARR		Hanna,W
6302	<b>Advanced Topics in Data Mining</b> Prerequisite: A "C" or better grade in Comp Sci 5001 Introduction to Data Mining. (Co-listed with Comp Eng 6302 and Sys Eng 6216)	3.0- 3.0	73349	LEC	1DIS	MWF	03:00 - 03:50 pm	ARR		Leopold,J
6320	<b>Adaptive Dynamic Programming</b> Prerequisites: Elec Eng 5370 or Comp Eng 5310. (Co-listed with Elec Eng 6360, Mech Eng 6458, Aero Eng 6458 and Sys Eng 6215)	3.0- 3.0	73289	LEC	1DIS	T	07:00 - 09:30 pm	ARR		Wunsch,D
6410	<b>Modeling Complex Systems</b> Prerequisites: Graduate Standing. (Co-listed with SYS ENG 6321)	3.0- 3.0	73220	LEC	1DIS	W	04:00 - 06:30 pm	ARR		Dagli,C
6420	<b>Wireless Ad hoc and Sensor Networks</b> Prerequisite: Comp Eng 5430 or Comp Eng 5420 or equivalent. (Co-listed with Elec Eng 6430 and Sys Eng 6324)	3.0- 3.0	73294	LEC	1DIS	MWF	08:00 - 08:50 am	ARR		Zawodniok,M
6510	<b>Resilient Networks</b> Prerequisites: Sys Eng 6410, Comp Eng 6410, or Comp Eng 5420. (Co-listed with SYS ENG 6322)	3.0- 3.0	72262	LEC	1DIS	Th	04:00 - 06:30 pm	ARR		Cetinkaya,E

## Computer Science

4700	<b>Intellectual Property For Computer Scientists</b> Prerequisite: Senior or graduate standing.	3.0- 3.0	71452	LEC	1DIS	T	07:00 - 09:30 pm	ARR		Canis,R
5099	<b>Research</b>	0.0-16.0	71645	IND	6DIS	ARR	ARR	ARR		Das,S
		0.0-16.0	72162	IND	6DIA	ARR	ARR	ARR		Ercal,F
		0.0-16.0	72163	IND	6DIB	ARR	ARR	ARR		Hurson,A
		0.0-16.0	72164	IND	6DIC	ARR	ARR	ARR		Jiang,W
		0.0-16.0	72165	IND	6DID	ARR	ARR	ARR		Leopold,J

CATALOG # AND COURSE TITLE	CREDIT	CLASS#	CMP	SEC	DAY	TIME	BLDG	ROOM	INSTRUCTOR
	0.0-16.0	72166	IND	6DIE	ARR	ARR	ARR		Lin,D
									<b>Distance Course Rates Apply</b>
	0.0-16.0	72167	IND	6DIF	ARR	ARR	ARR		Madria,S
									<b>Distance Course Rates Apply</b>
	0.0-16.0	72168	IND	6DIG	ARR	ARR	ARR		McMillin,B
									<b>Distance Course Rates Apply</b>
	0.0-16.0	72169	IND	6DIH	ARR	ARR	ARR		Sabharwal,C
									<b>Distance Course Rates Apply</b>
	0.0-16.0	72170	IND	6DIJ	ARR	ARR	ARR		Sedighsarvestani,S
									<b>Distance Course Rates Apply</b>
	0.0-16.0	72171	IND	6DIK	ARR	ARR	ARR		Tauritz,D
									<b>Distance Course Rates Apply</b>
	0.0-16.0	72172	IND	6DIL	ARR	ARR	ARR		Wunsch,D
									<b>Distance Course Rates Apply</b>
	0.0-16.0	72173	IND	6DIM	ARR	ARR	ARR		Yin,Z
									<b>Distance Course Rates Apply</b>
	0.0-16.0	72174	IND	6DIN	ARR	ARR	ARR		
									<b>Distance Course Rates Apply</b>
5101	<b>Software Testing And Quality Assurance</b>	3.0- 3.0	72845	LEC	1DIS	TTh	12:30 - 01:45 pm	ARR	
	Prerequisite: A "C" or better grade in Comp Sci 2500.								
									<b>Distance Course Rates Apply</b>
5200	<b>Analysis Of Algorithms</b>	3.0- 3.0	73341	LEC	1DIS	TTh	08:00 - 09:15 am	ARR	Das,S
	Prerequisite: A "C" or better grade in Comp Sci 2500.								
									<b>Distance Course Rates Apply</b>
5203	<b>Mathematical Logic I</b>	3.0- 3.0	72949	LEC	1DIS	ARR	ARR	ARR	Insall,E
	Prerequisite: Philos 3254 or Math 5105 or Comp Sci 2500 or Comp Eng 2210. (Co-listed with Math 5154, Philos 4354 and Comp Eng 5803.)								
									Class meets February 1st through March 1st, 2017. <b>See 'Notes' for Class Schedule</b>
									<b>Distance Course Rates Apply</b>
5204	<b>Regression Analysis</b>	3.0- 3.0	72176	LEC	1DIS	TTh	02:00 - 03:15 pm	ARR	Olbricht,G
	Prerequisites: Math 2222 and one of Stat 3111, 3113, 3115, 3117, or 5643. (Co-listed with Stat 5346)								
									<b>Distance Course Rates Apply</b>
5400	<b>Introduction To Artificial Intelligence</b>	3.0- 3.0	72711	LEC	1DIS	TTh	12:30 - 01:45 pm	ARR	Tauritz,D
	Prerequisite: A "C" or better grade in Comp Sci 2500.								
									<b>Distance Course Rates Apply</b>
5406	<b>Interactive Computer Graphics</b>	3.0- 3.0	73352	LEC	1DIS	TTh	09:30 - 10:45 am	ARR	Sabharwal,C
	Prerequisite: A "C" or better grade in both Comp Sci 3200 and Comp Sci 2500.								
									<b>Distance Course Rates Apply</b>
5601	<b>Security Operations &amp; Program Management</b>	3.0- 3.0	71415	LEC	1DIS	MWF	10:00 - 10:50 am	ARR	Lutzen,K
	Prerequisite: A "C" or better grade in all of: operating systems, computer networking, and a writing emphasized course.								
									<b>Distance Course Rates Apply</b>
6001	<b>Special Topics</b>	3.0- 3.0	73347	LEC	1DIS	TTh	02:00 - 03:15 pm	ARR	Yin,Z
	ML in Computer Vision Prerequisites: A "C" or better grade in both Math 3108 and Comp Sci 5200.								
									<b>Distance Course Rates Apply</b>
6010	<b>Seminar</b>	1.0- 1.0	71981	RSD	2DIS	M	10:00 - 10:50 am	ARR	Silvestri,S
									<b>Distance Course Rates Apply</b>
6102	<b>Model Based Systems Engineering</b>	3.0- 3.0	73469	LEC	1DIS	F	04:00 - 06:30 pm	ARR	
	Prerequisites: Graduate Standing. (Co-listed with SYS ENG 6542)								
									<b>Distance Course Rates Apply</b>
6201	<b>Theory Of Computation</b>	3.0- 3.0	73498	LEC	1DIS	<b>CANCELLED</b>			
	Prerequisite: A "C" or better grade in Comp Sci 2200.								
6302	<b>Heterogeneous and Mobile Databases</b>	3.0- 3.0	72712	LEC	1DIS	MWF	02:00 - 02:50 pm	ARR	Hurson,A
	Prerequisite: A "C" or better grade in Comp Sci 5300.								
									<b>Distance Course Rates Apply</b>
6303	<b>Pervasive Computing</b>	3.0- 3.0	73497	LEC	1DIS	Th	04:00 - 06:30 pm	ARR	Xiong,H
	Prerequisite: A "C" or better grade in either Comp Sci 4600 or Comp Eng 5410.								
									<b>Distance Course Rates Apply</b>

CATALOG # AND COURSE TITLE	CREDIT	CLASS#	CMP	SEC	DAY	TIME	BLDG	ROOM	INSTRUCTOR
6402 <b>Advanced Topics in Data Mining</b> Prerequisite: A "C" or better grade in Comp Sci 5001 Introduction to Data Mining. (Co-listed with Comp Eng 6302 and Sys Eng 6216)	3.0- 3.0	73348	LEC	1DIS	MWF	03:00 - 03:50 pm	ARR		Leopold,J
									<b>Distance Course Rates Apply</b>
6604 <b>Mobile And Sensor Data Management</b> Prerequisite: Comp Sci 4601.	3.0- 3.0	72710	LEC	1DIS	T	04:00 - 06:30 pm	ARR		Madria,S
									<b>Distance Course Rates Apply</b>

## Economics

5532 <b>Advanced Mining Economics</b> (Co-listed with MIN ENG 5532)	3.0- 3.0	73415	LEC	1DIS	W	07:00 - 09:30 pm	ARR		Hyder,Z
									<b>Distance Course Rates Apply</b>

## Electrical Engineering

2200 <b>Introduction to Electronic Devices</b> 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	73585	LEC	1DIS	MWF	09:00 - 09:50 am	ARR		Dua,R
									<b>Distance Course Rates Apply</b>
3100 <b>Electronics I</b> Prerequisites: Elec Eng 153, Elec Eng 121, Elec Eng 122, and Comp Eng 111 each with a grade of "C" or better. Passing grade on Elec Eng Advancement Exam II and III. Elec Eng 255 is a corequisite.	3.0- 3.0	72068	LEC	1DIS	MWF	09:00 - 09:50 am	ARR		Odun-Ayo,T
									<b>Distance Course Rates Apply</b>
3320 <b>Control Systems</b> Prerequisites: ELEC ENG 2120 and MATH 3304 each with a grade of "C" or better; passing the ELEC ENG Advancement Exam II; accompanied by ELEC ENG 3321.	3.0- 3.0	73326	LEC	1DIS	TTh	09:30 - 10:45 am	ARR		Acar,L
									<b>Distance Course Rates Apply</b>
3340 <b>Controllers For Factory Automation</b> 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
									<b>Distance Course Rates Apply</b>
	3.0- 3.0	71966	LAB	3DIS	ARR	ARR	ARR		Erickson,K
									<b>Distance Course Rates Apply</b>
3410 <b>Digital Signal Processing</b> Prerequisites: ELEC ENG 2120 with a grade of "C" or better; passing the ELEC ENG Advancement Exam II.	3.0- 3.0	72067	LEC	1DIS	MWF	08:00 - 08:50 am	ARR		Dua,R
									<b>Distance Course Rates Apply</b>
3540 <b>Power System Design And Analysis</b>	3.0- 3.0	73343	LEC	IDIS	MWF	01:00 - 01:50 pm	ARR		Odun-Ayo,T
3600 <b>Electromagnetics</b> Prerequisites: Elec Eng 2120, Elec Eng 2101, Physics 2135, and Math 3304 each with a grade of "C" or better. Passing grade on Elec Eng Advancement Exam II.	4.0- 4.0	71858	LEC	1DIS	MWF	10:00 - 10:50 am	ARR		Huang,J
									<b>Distance Course Rates Apply</b>
			LEC	1DIS	ARR	ARR	ARR		<b>Distance Course Rates Apply</b>
5001 <b>Special Topics</b>	3.0- 3.0	73606	LEC	1DIS	Th	07:00 - 09:30 pm	ARR		Ferguson,I
									Introduction to Nanotechnology
5300 <b>Digital Control</b> Prerequisite: Elec Eng 3320.	3.0- 3.0	71460	LEC	1DIS	TTh	11:00 - 12:15 pm	ARR		Acar,L
									<b>Distance Course Rates Apply</b>
5345 <b>PLC Motion Control</b> Prerequisite: Elec Eng 3340.	3.0- 3.0		LEC	1DIS	MWF	08:00 - 08:50 am	ARR		Erickson,K
									<b>Distance Course Rates Apply</b>
	3.0- 3.0	73561	LAB	3DIS	ARR	ARR	ARR		Erickson,K
									<b>Distance Course Rates Apply</b>
5350 <b>Plantwide Process Control</b> Prerequisites: Chem Eng 4110, Elec Eng 3320, Elec Eng 3340 or graduate standing. (Co-listed with Chem Eng 5190)	3.0- 3.0	72069	LEC	1DIS	TTh	02:00 - 03:15 pm	ARR		Erickson,K
									<b>Distance Course Rates Apply</b>
5360 <b>System Simulation And Identification</b> Prerequisite: Elec Eng 3320.	3.0- 3.0	73327	LEC	1DIS	Th	04:00 - 06:30 pm	ARR		Dierks,T
									<b>Distance Course Rates Apply</b>
5370 <b>Introduction to Neural Networks and Applications</b> Prerequisites: Graduate Standing. (Co-listed with Sys Eng 5212)	3.0- 3.0	72234	LEC	1DIS	T	04:00 - 06:30 pm	ARR		Dagli,C
									<b>Distance Course Rates Apply</b>
5420 <b>Communications Systems II</b> Prerequisite: Elec Eng 3420.	3.0- 3.0	73007	LEC	1DIS	W	04:00 - 06:30 pm	ARR		Potter,C
									<b>Distance Course Rates Apply</b>

CATALOG # AND COURSE TITLE	CREDIT	CLASS#	CMP	SEC	DAY	TIME	BLDG	ROOM	INSTRUCTOR
5500 <b>Electric Drive Systems</b>	3.0- 3.0	72431	LEC	1DIS	MWF	10:00 - 10:50 am	ARR		Shamsi,P
									<b>Distance Course Rates Apply</b>
5550 <b>Electric Power Quality</b> Prerequisite: Elec Eng 3500 or Elec Eng 3540.	3.0- 3.0	72700	LEC	1DIS	MWF	11:00 - 11:50 am	ARR		Kimball,J
									<b>Distance Course Rates Apply</b>
5620 <b>Signal Integrity in High-Speed Digital &amp; Mixed Signal Design</b> Prerequisites: Elec Eng 3600 or Comp Eng 3150, and Senior standing. (Co-listed with Comp Eng 5620)	3.0- 3.0	71000	LEC	1DIS	MWF	10:00 - 10:50 am	ARR		Drewniak,J
									<b>Distance Course Rates Apply</b>
6099 <b>Special Research And Thesis</b>	0.0-15.0	72995	IND	6DIS	ARR	ARR	ARR		Kimball,J
									<b>Distance Course Rates Apply</b>
6360 <b>Adaptive Dynamic Programming</b> Prerequisites: Elec Eng 5370 or Comp Eng 5310. (Co-listed with Comp Eng 6320, Mech Eng 6458, Aero Eng 6458 and Sys Eng 6215)	3.0- 3.0	73290	LEC	1DIS	T	07:00 - 09:30 pm	ARR		Wunsch,D
									<b>Distance Course Rates Apply</b>
6430 <b>Wireless Ad hoc and Sensor Networks</b> Prerequisite: Comp Eng 5430 or Comp Eng 5420 or equivalent. (Co-listed with Comp Eng 6420 and Sys Eng 6324)	3.0- 3.0	73295	LEC	1DIS	MWF	08:00 - 08:50 am	ARR		Zawodniok,M
									<b>Distance Course Rates Apply</b>
6520 <b>Advanced Power Electronics</b> Prerequisite: Elec Eng 5520.	3.0- 3.0	73039	LEC	1DIS	TTh	02:00 - 03:15 pm	ARR		Ferdowski,M
									<b>Distance Course Rates Apply</b>
6550 <b>Power System Stability</b> Prerequisite: Elec Eng 3540 or similar course.	3.0- 3.0	73328	LEC	1DIS	T	04:00 - 06:30 pm	ARR		Crow,M
									<b>Distance Course Rates Apply</b>
6560 <b>Power System Protection</b> Prerequisite: Elec Eng 5560 and 5540.	3.0- 3.0	73329	LEC	1DIS	TTh	08:00 - 09:15 am	ARR		Nauert,P
									<b>Distance Course Rates Apply</b>
6580 <b>Power System Operations</b> Prerequisite: Elec Eng 5540.	3.0- 3.0	73330	LEC	1DIS	M	07:00 - 09:30 pm	ARR		Thammineni,K
									<b>Distance Course Rates Apply</b>
6600 <b>Advanced Electromagnetics I</b> Prerequisite: Elec Eng 3600 or equivalent undergraduate electromagnetics course.	3.0- 3.0	72702	LEC	1DIS	MWF	03:00 - 03:50 pm	ARR		Drewniak,J
									<b>Distance Course Rates Apply</b>

## Engineering Management

4312 <b>Risk Assessment and Reduction</b> Prerequisite: Senior or Graduate Standing. (Co-listed with Chem Eng 5130)	3.0- 3.0	72999	LEC	1DIS	M	07:00 - 09:30 pm	ARR		Schmidt,M
									<b>Distance Course Rates Apply</b>
5111 <b>Management for Engineers and Scientists</b> Prerequisite: Graduate standing.	3.0- 3.0	71579	LEC	1DIS	W	04:00 - 06:30 pm	ARR		Spurlock,D
									<b>Distance Course Rates Apply</b>
5210 <b>Economic Decision Analysis</b> Prerequisite: Graduate students without previous course in engineering economy because of partial overlap.	3.0- 3.0	71118	LEC	1DIS	W	07:00 - 09:30 pm	ARR		Wiles,P
									<b>Distance Course Rates Apply</b>
5312 <b>Advanced Risk Assessment and Reduction</b> Prerequisite: Senior or Graduate Standing.	3.0- 3.0	72235	LEC	1DIS	M	07:00 - 09:30 pm	ARR		Schmidt,M
									<b>Distance Course Rates Apply</b>
5320 <b>Project Management</b> Prerequisite: Graduate Standing	3.0- 3.0	71063	LEC	1DIS	M	04:00 - 06:30 pm	ARR		Berry,R
									<b>Distance Course Rates Apply</b>
5411 <b>Engineering Design Optimization</b> Prerequisite: Math 3304 or 3329.	3.0- 3.0	71893	LEC	1DIS	W	04:00 - 06:30 pm	ARR		Guardiola,I
									<b>Distance Course Rates Apply</b>
5412 <b>Operations Management Science</b> Prerequisites: Graduate standing.	3.0- 3.0	71458	LEC	1DIS	T	07:00 - 09:30 pm	ARR		Konur,D
									<b>Distance Course Rates Apply</b>
5512 <b>Legal Environment</b> Prerequisites: Senior or graduate standing.	3.0- 3.0	71603	LEC	1DIS	T	04:00 - 06:30 pm	ARR		Canis,R
									<b>Distance Course Rates Apply</b>
5515 <b>Integrated Product And Process Design</b> Prerequisites: Junior or above standing. (Co-listed with MECH ENG 5757)	3.0- 3.0	72650	LEC	1DIS	M	04:00 - 05:15 pm	ARR		Grantham,K
									<b>Distance Course Rates Apply</b>
5613 <b>Value Analysis</b> Prerequisite: Senior or graduate standing.	3.0- 3.0	71672	LEC	1DIS	M	07:00 - 09:30 pm	ARR		Lin,H
									<b>Distance Course Rates Apply</b>
5615 <b>Production Planning And Scheduling</b> Prerequisite: Eng Mgt 3310.	3.0- 3.0	73467	LEC	1DIS	TTh	03:30 - 04:45 pm	ARR		Gosavi,A
									<b>Distance Course Rates Apply</b>

CATALOG # AND COURSE TITLE	CREDIT	CLASS#	CMP	SEC	DAY	TIME	BLDG	ROOM	INSTRUCTOR
6001 <b>Special Topics</b>	3.0- 3.0	73462	LEC	1DIS	W	04:00 - 06:30 pm	ARR		Qin,R
									Financial Data Analysis Prerequisites: An undergraduate calculus based statistics course and one of Eng Mgt 6212, Sys Eng 6612, Eng Mgt 6213, or Sys Eng 6613. (Co-listed with Stat 6001)
6099 <b>Research</b>	0.0-15.0	72311	IND	6DIS	ARR	ARR	ARR		Corns,S
									<b>Distance Course Rates Apply</b>
	0.0-15.0	72312	IND	6DIA	ARR	ARR	ARR		Cudney,E
									<b>Distance Course Rates Apply</b>
	0.0-15.0	72313	IND	6DIB	ARR	ARR	ARR		Dagli,C
									<b>Distance Course Rates Apply</b>
	0.0-15.0	72314	IND	6DIC	ARR	ARR	ARR		Enke,D
									<b>Distance Course Rates Apply</b>
	0.0-15.0	72315	IND	6DID	ARR	ARR	ARR		Gosavi,A
									<b>Distance Course Rates Apply</b>
	0.0-15.0	72316	IND	6DIE	ARR	ARR	ARR		Grantham,K
									<b>Distance Course Rates Apply</b>
	0.0-15.0	72317	IND	6DIF	ARR	ARR	ARR		Guardiola,I
									<b>Distance Course Rates Apply</b>
	0.0-15.0	72318	IND	6DIG	ARR	ARR	ARR		Konur,D
									<b>Distance Course Rates Apply</b>
	0.0-15.0	72319	IND	6DIH	ARR	ARR	ARR		Long,S
									<b>Distance Course Rates Apply</b>
	0.0-15.0	72320	IND	6DIJ	ARR	ARR	ARR		Murray,S
									<b>Distance Course Rates Apply</b>
	0.0-15.0	72321	IND	6DIL	ARR	ARR	ARR		Qin,R
									<b>Distance Course Rates Apply</b>
	0.0-15.0	72322	IND	6DIM	ARR	ARR	ARR		Raper,S
									<b>Distance Course Rates Apply</b>
6110 <b>Case Studies In General Management</b>	3.0- 3.0	71184	LEC	1DIS	T	07:00 - 09:30 pm	ARR		Bade,J
									Prerequisite: Preceded or accompanied by an Eng Mgt 6000 level course.
6211 <b>Advanced Financial Management</b>	3.0- 3.0	71673	LEC	1DIS	Th	04:00 - 06:30 pm	ARR		Enke,D
									Prerequisite: Eng Mgt 1210 or 5210.
6215 <b>Financial Risk Management</b>	3.0- 3.0	73218	LEC	1DIS	M	04:00 - 06:30 pm	ARR		Enke,D
									Prerequisite: Eng Mgt 1210 or 5210. (Co-listed with Sys Eng 6615)
6323 <b>Global Project Management</b>	3.0- 3.0	71329	LEC	1DIS	T	04:00 - 06:30 pm	ARR		Schuman,J
									Prerequisite: Eng Mgt 5320 or equivalent.
6412 <b>Mathematical Programming</b>	3.0- 3.0	72231	LEC	1DIS	M	07:00 - 09:30 pm	ARR		Konur,D
									Prerequisites: Stat 3113 or equivalent and (Eng Mgt 5414 or Math 3103 or Math 3108) (Co-listed with Math 6665)
6510 <b>Technological Innovation Management</b>	3.0- 3.0	71057	LEC	1DIS	Th	04:00 - 06:30 pm	ARR		Bade,J
									Prerequisite: Eng Mgt 5111.
<b>Enterprise Resource Planning</b>									
5110 <b>Enterprise Resource Planning Systems Design and Implementation</b>	3.0- 3.0	71237	LEC	1DIS	TTh	09:30 - 10:45 am	ARR		Claybaugh,C
									Prerequisites: Preceded or accompanied by ERP 2110; or Graduate Standing and computer programming knowledge.
5210 <b>Performance Dashboard, Scorecard and Data Visualization</b>	3.0- 3.0	72092	LEC	1DIS	MWF	09:00 - 09:50 am	ARR		Lea,B
									Prerequisite: ERP 2110 or preceded or accompanied by ERP 5110.
5240 <b>Enterprise and Mobile Application Development</b>	3.0- 3.0	71949	LEC	1DIS	Th	04:00 - 06:30 pm	ARR		Claybaugh,C
									Prerequisites: Programming knowledge and either ERP 2110 or preceded or accompanied by ERP 5110.



CATALOG # AND COURSE TITLE	CREDIT	CLASS#	CMP	SEC	DAY	TIME	BLDG	ROOM	INSTRUCTOR
6120 <b>Enterprise Resource Planning: Systems Config and Integration</b> Prerequisite: ERP 5110.	3.0- 3.0	71238	LEC	1DIS	W	04:00 - 06:30 pm	ARR		Lea,B
									<b>Distance Course Rates Apply</b>
6444 <b>Essentials of Data Warehouses</b> Prerequisite: IS&T 3423 or equivalent relational database experience. (Co-listed with IS&T 6444)	3.0- 3.0	71634	LEC	1DIS	TTh	02:00 - 03:15 pm	ARR		Yu,W
									<b>Distance Course Rates Apply</b>

## Environmental Engineering

5635 <b>Phytoremediation and Natural Treatment Systems: Science and Design</b> Prerequisites: Env Eng 3615 or Civ Eng 3615 or graduate standing.	3.0- 3.0	73208	LEC	1DIS	MWF	10:00 - 10:50 am	ARR		Burken,J
									<b>Distance Course Rates Apply</b>
5640 <b>Environmental Law And Regulations</b> (Co-listed with Civ Eng 5640)	3.0- 3.0	71433	LEC	1DIS	M	07:00 - 09:30 pm	ARR		Flechas,F
									<b>Distance Course Rates Apply</b>
5650 <b>Public Health Engineering</b> Prerequisite: Civ Eng 2601 with grade of "C" or better. (Co-listed with Civ Eng 5650)	3.0- 3.0	72826	LEC	1DIS	TTh	11:00 - 12:15 pm	ARR		Oerther,D
									<b>Distance Course Rates Apply</b>
6612 <b>Biological Operations In Environmental Engineering Systems</b> Prerequisite: Civ Eng 3330 or equivalent. (Co-listed with Civ Eng 6612)	3.0- 3.0	72240	LEC	1DIS	TTh	11:00 - 12:15 pm	ARR		Fitch,M
									<b>Distance Course Rates Apply</b>

## Explosives Engineering

5112 <b>Explosives Handling and Safety</b> Prerequisite: Junior Standing or above.	3.0- 3.0	72831	LEC	1DIS	Th	04:00 - 06:30 pm	ARR		Johnson,C
									<b>Distance Course Rates Apply</b>
5514 <b>Display Fireworks Manufacturing</b>	3.0- 3.0		LEC	1DIS	ARR	ARR	ARR		Hall,S
									<b>Distance Course Rates Apply</b>
	3.0- 3.0		LEC	1DIA	ARR	ARR	ARR		Hall,S
									<b>Distance Course Rates Apply</b>
	3.0- 3.0	72475	LAB	3DIS	ARR	ARR	ARR		Hall,S
									<b>Distance Course Rates Apply</b>
	3.0- 3.0	73411	LAB	3DIA	ARR	ARR	ARR		Hall,S
									<b>Distance Course Rates Apply</b>
5612 <b>Principles Of Explosives Engineering</b> Prerequisites: Min Eng 2126; accompanied or preceded by Civ Eng 3715 or Geology 3310 or Geology 2611; Successful background check. (Co-listed with Min Eng 5612)	3.0- 3.0		LEC	1DIA	ARR	ARR	ARR		Worsey,P
									<b>Distance Course Rates Apply</b>
	3.0- 3.0	72986	LAB	3DIA	ARR	ARR	ARR		Worsey,P
									<b>Distance Course Rates Apply</b>
5622 <b>Blasting Design And Technology</b> Prerequisites: Min Eng 5612. Student must be at least 21 years of age. Successful background check. (Co-listed with Min Eng 5622)	3.0- 3.0		LEC	1DIS	ARR	ARR	ARR		Worsey,P
									"BACKGROUND CHECK REQUIRED IN ADVANCE. SEE SECRETARY IN MCNUTT 227."
									<b>Distance Course Rates Apply</b>
	3.0- 3.0	71698	LAB	3DIS	ARR	ARR	ARR		Worsey,P
									<b>Distance Course Rates Apply</b>
5713 <b>Demolition of Buildings and Structures</b> Prerequisites: Preceded or accompanied by Civ Eng 2200 or Mech Eng 2340; US citizen or permanent resident; Successful background check.	3.0- 3.0		LEC	1DIS	ARR	ARR	ARR		Worsey,P
									<b>Distance Course Rates Apply</b>
	3.0- 3.0		LEC	1DIA	ARR	ARR	ARR		Worsey,P
									<b>Distance Course Rates Apply</b>
	3.0- 3.0	71876	LAB	3DIS	ARR	ARR	ARR		Worsey,P
									<b>Distance Course Rates Apply</b>
	3.0- 3.0	72984	LAB	3DIA	ARR	ARR	ARR		Worsey,P
									<b>Distance Course Rates Apply</b>
6001 <b>Special Topics</b>	3.0- 3.0	73418	LEC	1DIS	ARR	ARR	ARR		Petr,V
									High Speed Imaging Prerequisites: Graduate standing. Exp Eng 5612 or equivalent. Successful background check.
	3.0- 3.0	73419	LAB	3DIS	ARR	ARR	ARR		Petr,V
									High Speed Imaging
6080 <b>Industry Project</b> Prerequisite: 12 hours Exp Eng coursework.	3.0- 3.0	71879	LAB	3DIS	ARR	ARR	ARR		Worsey,P
									<b>Distance Course Rates Apply</b>
	3.0- 3.0	72973	LAB	3DIA	ARR	ARR	ARR		Johnson,C
									<b>Distance Course Rates Apply</b>

CATALOG # AND COURSE TITLE	CREDIT	CLASS#	CMP	SEC	DAY	TIME	BLDG	ROOM	INSTRUCTOR
6099 <b>Research</b> Prerequisites: Consent of instructor required.	0.0-15.0	73412	IND	6DIS	ARR	ARR	ARR		Worsey,P
									<b>Distance Course Rates Apply</b>
6112 <b>Explosives Regulations</b> Prerequisite: Graduate standing.	3.0- 3.0	72443	LEC	1DIS	ARR	ARR	ARR		Worsey,G
	3.0- 3.0	72476	LEC	1DIA	ARR	ARR	ARR		Worsey,G
									<b>Distance Course Rates Apply</b>

## Finance

5260 <b>Investments I</b> Prerequisites: Finance 2150.	3.0- 3.0	72005	LEC	1DIS	TTh	09:30 - 10:45 am	ARR		Zhang,H
									<b>Distance Course Rates Apply</b>

## Geological Engineering

2605 <b>Statics and Mechanics of Geologic Materials</b> Prerequisite: Permission of instructor.	3.0- 3.0	73057	LEC	1DIS	ARR	ARR	ARR		Gertsch,L
									<b>Distance Course Rates Apply</b>
4115 <b>Statistical Methods in Geology and Engineering</b>	3.0- 3.0	71719	LEC	1DIS	MWF	09:00 - 09:50 am	ARR		Hajiani,P
									<b>Distance Course Rates Apply</b>
5099 <b>Research</b>	0.0-15.0	71209	IND	6DIS	ARR	ARR	ARR		Rogers,J
	0.0-15.0	72042	IND	6DIA	ARR	ARR	ARR		Maerz,N
									<b>Distance Course Rates Apply</b>
5381 <b>Intermediate Subsurface Hydrology And Contaminant Transport Mechs</b> Prerequisites: Civ Eng 3330 & Geo Eng 5331.	3.0- 3.0	71270	LEC	1DIS	MWF	10:00 - 10:50 am	ARR		Grote,K
									<b>Distance Course Rates Apply</b>
5443 <b>Subsurface Exploration</b> Prerequisite: Geo Eng 1150.	3.0- 3.0		LEC	1DIS	M	04:00 - 06:30 pm	ARR		Maerz,N
	3.0- 3.0	71269	LAB	3DIS	T	12:30 - 03:15 pm	ARR		Maerz,N
									<b>Distance Course Rates Apply</b>
5782 <b>Environmental and Engineering Geophysics</b> Prerequisite: Math 2222. (Co-listed with Geophys 5782)	3.0- 3.0		LEC	1DIS	ARR	ARR	ARR		Torgashov,E
	3.0- 3.0	71986	LAB	3DIS	ARR	ARR	ARR		Torgashov,E
									<b>Distance Course Rates Apply</b>
6000 <b>Special Problems</b>	0.0- 6.0	71413	IND	6DIS	ARR	ARR	ARR		Maerz,N
									<b>Distance Course Rates Apply</b>
6400 <b>Practice Oriented Project</b> Prerequisites: Limited to students enrolled in the Masters of Engineering (M.E.) in Geotechnics Program.	3.0- 3.0	72994	IND	6DIS	ARR	ARR	ARR		Maerz,N
									<b>Distance Course Rates Apply</b>
6441 <b>Geotechnical Construction Practice</b> Prerequisite: Geo Eng 5441.	3.0- 3.0	71532	LEC	1DIS	W	07:00 - 09:30 pm	ARR		Rogers,J
									<b>Distance Course Rates Apply</b>
6782 <b>Surface Waves (MASW) and Ground Penetrating Radar (GPR)</b> Prerequisites: Geo Eng 1150 or Civ Eng 3715 or equivalent, and graduate standing.	3.0- 3.0		LEC	1DIA	ARR	ARR	ARR		Anderson,N
	3.0- 3.0	72142	LAB	3DIA	ARR	ARR	ARR		Anderson,N
									<b>Distance Course Rates Apply</b>
6784 <b>Advanced Engineering And Environmental Geophysics</b> Prerequisite: Admittance into USAES-S&T Co-operative Degree Program. (Co-listed with Geophys 5251)	3.0- 3.0	72030	LEC	1DIS	ARR	ARR	ARR		Anderson,N
									<b>Distance Course Rates Apply</b>

## Geophysics

5782 <b>Environmental and Engineering Geophysics</b> Prerequisite: Math 2222. (Co-listed with Geo Eng 5782)	3.0- 3.0		LEC	1DIS	ARR	ARR	ARR		Torgashov,E
	3.0- 3.0	71988	LAB	3DIS	ARR	ARR	ARR		Torgashov,E
									<b>Distance Course Rates Apply</b>

## Info Science & Technology

4261 <b>Information Systems Project Management</b> Prerequisites: IST 1552 or Comp Sci 1510; Senior Standing.	3.0- 3.0	72137	LEC	1DIS	T	07:00 - 09:30 pm	ARR		Flachsbart,B
									<b>Distance Course Rates Apply</b>
4335 <b>Fundamentals of Mobile Technology for Business</b>	3.0- 3.0	73609	LEC	1DIS	MWF	01:00 - 01:50 pm	ARR		Bates,C
									<b>Distance Course Rates Apply</b>

CATALOG # AND COURSE TITLE	CREDIT	CLASS#	CMP	SEC	DAY	TIME	BLDG	ROOM	INSTRUCTOR
4654 <b>Web and Digital Media Development</b>	3.0- 3.0	72444	LEC	1DIS	TTh	11:00 - 12:15 pm	ARR		Hall,R
									<b>Distance Course Rates Apply</b>
5000 <b>Special Problems</b>	0.0- 6.0	71543	IND	6DIS	ARR	ARR	ARR		Lea,B
									<b>Distance Course Rates Apply</b>
	0.0- 6.0	71546	IND	6DIA	ARR	ARR	ARR		Yu,W
									<b>Distance Course Rates Apply</b>
5001 <b>Special Topics</b>	3.0- 3.0	73428	LEC	1DIS	MWF	10:00 - 10:50 am	ARR		Chen,L
									Data Methods in Python
									Prerequisites: One of Stat 3111, Stat 3113, Stat 3115, Stat 3117 and either IS&T 1552 or Comp Sci 1510; or graduate standing and knowledge of calculus, statistics, and programming.
5099 <b>Research</b>	0.0-15.0	72033	IND	6DIS	ARR	ARR	ARR		Lea,B
									<b>Distance Course Rates Apply</b>
5251 <b>Technological Innovation Management and Leadership</b>	3.0- 3.0	71730	LEC	1DIS	M	07:00 - 09:30 pm	ARR		Nah,F
									<b>Distance Course Rates Apply</b>
									Prerequisite: Senior or Graduate Standing.
5420 <b>Business Analytics and Data Science</b>	3.0- 3.0	72407	LEC	1DIS	MWF	01:00 - 01:50 pm	ARR		Hilgers,M
									<b>Distance Course Rates Apply</b>
									Prerequisites: Calculus, Statistics, and Programming knowledge.
5885 <b>Human-Computer Interaction</b>	3.0- 3.0	72266	LEC	1DIS	MWF	02:00 - 02:50 pm	ARR		Bates,C
									<b>Distance Course Rates Apply</b>
									Prerequisite: Psych 1101.
5887 <b>Human-Computer Interaction Evaluation</b>	3.0- 3.0		LEC	1DIS	ARR	ARR	ARR		Hall,R
									<b>Distance Course Rates Apply</b>
	3.0- 3.0	73430	LAB	3DIS	ARR	ARR	ARR		Hall,R
									Prerequisite: Preceded or accompanied by IS&T 5885.
6261 <b>Advanced Information Systems Project Management</b>	3.0- 3.0	71731	LEC	1DIS	T	07:00 - 09:30 pm	ARR		Flachsbart,B
									<b>Distance Course Rates Apply</b>
									Prerequisites: IS&T MS Entrance requirements, with strong programming knowledge.
6335 <b>Mobile Technology for Business</b>	3.0- 3.0	73175	LEC	1DIS	MWF	01:00 - 01:50 pm	ARR		Bates,C
									<b>Distance Course Rates Apply</b>
									Prerequisites: IS&T 3333 or equivalent.
6336 <b>Foundations of Internet Computing</b>	3.0- 3.0	72597	LEC	1DIS	TTh	08:00 - 09:15 am	ARR		Twyman,N
									<b>Distance Course Rates Apply</b>
									Prerequisite: IS&T MS entrance requirements, including solid programming knowledge.
6444 <b>Essentials of Data Warehouses</b>	3.0- 3.0	71449	LEC	1DIS	TTh	02:00 - 03:15 pm	ARR		Yu,W
									<b>Distance Course Rates Apply</b>
									Prerequisite: IS&T 3423 or equivalent relational database experience.
									(Co-listed with ERP 6444)
6445 <b>Database Marketing</b>	3.0- 3.0	71776	LEC	1DIB	W	07:00 - 09:30 pm	ARR		Merz,C
									<b>Distance Course Rates Apply</b>
									Prerequisite: Statistics understanding, programming understanding, familiarity with spreadsheets.
6641 <b>Advanced Electronic and Mobile Commerce</b>	3.0- 3.0	73174	LEC	1DIS	MWF	02:00 - 02:50 pm	ARR		Nah,F
									<b>Distance Course Rates Apply</b>
									Prerequisites: Knowledge of management information systems.
6654 <b>Advanced Web and Digital Media Development</b>	3.0- 3.0	72409	LEC	1DIS	TTh	11:00 - 12:15 pm	ARR		Hall,R
									<b>Distance Course Rates Apply</b>

## Mathematics

5154 <b>Mathematical Logic I</b>	3.0- 3.0	72947	LEC	1DIS	ARR	ARR	ARR		Insall,E
									<b>Distance Course Rates Apply</b>
									Prerequisite: Philos 3254 or Math 5105 or Comp Sci 2500 or Comp Eng 2210.
									Class meets February 1st through March 1st, 2017.
									See 'Notes' for Class Schedule
									<b>Distance Course Rates Apply</b>
									(Co-listed with Comp Eng 5803, Comp Sci 5203 and Philos 4354)
5325 <b>Partial Differential Equations</b>	3.0- 3.0	72979	LEC	1DIS	MWF	09:00 - 09:50 am	ARR		Le,V
									<b>Distance Course Rates Apply</b>
									Prerequisite: Math 3304 with a grade of "C" or better.

CATALOG # AND COURSE TITLE	CREDIT	CLASS#	CMP	SEC	DAY	TIME	BLDG	ROOM	INSTRUCTOR
6602 <b>Mathematical Foundation of Finite Element Methods</b> Prerequisites: Any 4000 or higher level Mathematics course, or any instructor approved 4000 or higher level course from another discipline with a significant computational component.	3.0- 3.0	72437	LEC	1DIS	MWF	01:00 - 01:50 pm	ARR		He,X
									<b>Distance Course Rates Apply</b>
6665 <b>Mathematical Programming</b> Prerequisites: Stat 3113 or equivalent and (Eng Mgt 5414 or Math 3103 or Math 3108). (Co-listed with Eng Mgt 6412)	3.0- 3.0	72232	LEC	1DIS	M	07:00 - 09:30 pm	ARR		Konur,D
									<b>Distance Course Rates Apply</b>

## Mechanical Engineering

4000 <b>Special Problems</b> Prerequisite: Consent of instructor.	0.0- 6.0	71779	IND	6DIS	ARR	ARR	ARR		Chandrashekhara,K
									<b>Distance Course Rates Apply</b>
5000 <b>Special Problems</b>	0.0- 6.0	71545	IND	6DIS	ARR	ARR	ARR		Appelman,H
									<b>Distance Course Rates Apply</b>
	0.0- 6.0	71888	IND	6DIA	ARR	ARR	ARR		Landers,R
									<b>Distance Course Rates Apply</b>
	0.0- 6.0	71919	IND	6DIB	ARR	ARR	ARR		Liou,F
									<b>Distance Course Rates Apply</b>
5234 <b>Stability of Engineering Structures</b> Prerequisites: Civ Eng 2210; Math 3304; and Mech Eng 2350 or Mech Eng 2360 or Aero Eng 2360. (Co-listed with Aero Eng 5234)	3.0- 3.0	73014	LEC	1DIS	T	04:00 - 06:30 pm	ARR		Birman,V
									<b>Distance Course Rates Apply</b>
5236 <b>Fracture Mechanics</b> Prerequisite: Civ Eng 2210. (Co-listed with Aero Eng 5236)	3.0- 3.0	71200	LEC	1DIS	TTh	12:30 - 01:45 pm	ARR		Dharani,L
									<b>Distance Course Rates Apply</b>
5282 <b>Introduction to Composite Materials &amp; Structures</b> Prerequisite: Civ Eng 2210. (Co-listed with Aero Eng 5282)	3.0- 3.0	71059	LEC	1DIS	TTh	09:30 - 10:45 am	ARR		Chandrashekhara,K
									<b>Distance Course Rates Apply</b>
5566 <b>Solar Energy Technology</b> Prerequisite: Mech Eng 3525, or consent of instructor for non-Mech Eng majors.	3.0- 3.0	72115	LEC	1DIS	MWF	03:00 - 03:50 pm	ARR		Homan,K
									<b>Distance Course Rates Apply</b>
5575 <b>Mechanical Systems For Environmental Control</b> Prerequisites: Mech Eng 3521 and 3525; or Mech Eng 2527 and Civ Eng 3330.	3.0- 3.0	72116	LEC	1DIS	T	07:00 - 09:30 pm	ARR		Williams JR,G
									<b>Distance Course Rates Apply</b>
5656 <b>Design For Manufacture</b> Prerequisites: Mech Eng 3708, Mech Eng 3653.	3.0- 3.0	71115	LEC	1DIS	Th	07:00 - 09:30 pm	ARR		Appelman,H
									<b>Distance Course Rates Apply</b>
5704 <b>Compliant Mechanism Design</b> Prerequisites: Mech Eng 3313, Civ Eng 2210.	3.0- 3.0	71946	LEC	1DIS	MWF	10:00 - 10:50 am	ARR		Midha,A
									<b>Distance Course Rates Apply</b>
5757 <b>Integrated Product And Process Design</b> Prerequisites: Junior or above standing. (Co-listed with ENG MGT 5515)	3.0- 3.0	72651	LEC	1DIS	M	04:00 - 05:15 pm	ARR		Grantham,K
									<b>Distance Course Rates Apply</b>
5830 <b>Applied Computational Methods</b> Prerequisite: Comp Sci 1570 or 1970 or 1981; Math 3304. (Co-listed with Aero Eng 5830)	3.0- 3.0	72280	LEC	1DIS	TTh	11:00 - 12:15 pm	ARR		Hosder,S
									<b>Distance Course Rates Apply</b>
6000 <b>Special Problems</b>	0.0- 6.0	73592	IND	6DIS	ARR	ARR	ARR		Dharani,L
6001 <b>Special Topics</b>	3.0- 3.0	73487	LEC	1DIS	MWF	08:00 - 08:50 am	ARR		Bristow,D
									Iter & Rep Proc Control Prerequisites: Mech Eng 5481 or Elec Eng 6300. (Co-listed with Aero Eng 6001)
									<b>Distance Course Rates Apply</b>
6099 <b>Research</b> Prerequisite: Consent of instructor.	0.0-15.0	71313	IND	6DIS	ARR	ARR	ARR		Birman,V
									<b>Distance Course Rates Apply</b>
	0.0-15.0	71639	IND	6DIB	ARR	ARR	ARR		Dharani,L
									<b>Distance Course Rates Apply</b>
	0.0-15.0	71735	IND	6DIA	ARR	ARR	ARR		Landers,R
									<b>Distance Course Rates Apply</b>

CATALOG # AND COURSE TITLE	CREDIT	CLASS#	CMP	SEC	DAY	TIME	BLDG	ROOM	INSTRUCTOR
	0.0-15.0	72178	IND	6DIC	ARR	ARR	ARR		Leu,M
			<b>Distance Course Rates Apply</b>						
	0.0-15.0	73119	IND	6DID	ARR	ARR	ARR		Okafor,A
			<b>Distance Course Rates Apply</b>						
6123 <b>Viscous Fluid Flow</b> Prerequisite: Mech Eng 5131 or Aero Eng 5131 or Mech Eng 5139 or Aero Eng 5139 or equivalent. (Co-listed with Aero Eng 6123)	3.0- 3.0	72118	LEC	1DIS	MWF	11:00 - 11:50 am	ARR		Isaac,K
			<b>Distance Course Rates Apply</b>						
6137 <b>Physical Gas Dynamics I</b> Prerequisite: Mech Eng or Aero Eng 5131. (Co-listed with Aero Eng 6137)	3.0- 3.0	73489	LEC	1DIS	TTh	09:30 - 10:45 am	ARR		Rovey,J
			<b>Distance Course Rates Apply</b>						
6212 <b>Advanced Finite Element Analysis</b> Prerequisite: Mech Eng 5212 or Aero Eng 5212. (Co-listed with Aero Eng 6212)	3.0- 3.0	71725	LEC	1DIS	TTh	11:00 - 12:15 pm	ARR		Chandrashekara,K
			<b>Distance Course Rates Apply</b>						
6222 <b>Theory of Elasticity</b> Prerequisites: CIV ENG 2210. (Co-listed with Aero Eng 6222)	3.0- 3.0	72621	LEC	1DIS	TTh	02:00 - 03:15 pm	ARR		Dharani,L
			<b>Distance Course Rates Apply</b>						
6458 <b>Adaptive Dynamic Programming</b> Prerequisites: Elec Eng 5370 or Comp Eng 5310. (Co-listed with Comp Eng 6320, Elec Eng 6360, Aero Eng 6458 and Sys Eng 6215)	3.0- 3.0	73291	LEC	1DIS	T	07:00 - 09:30 pm	ARR		Wunsch,D
			<b>Distance Course Rates Apply</b>						
6527 <b>Heat Transfer by Convection</b> Prerequisite: Mech Eng or Aero Eng 5525. (Co-listed with Aero Eng 6527)	3.0- 3.0	72117	LEC	1DIS	MWF	09:00 - 09:50 am	ARR		Homan,K
			<b>Distance Course Rates Apply</b>						
6659 <b>Advanced Topics in Design and Manufacturing</b> Prerequisites: Mech Eng 5655 or Mech Eng 5708 or equivalent.	3.0- 3.0	71052	LEC	1DIS	TTh	02:00 - 03:15 pm	ARR		Liou,F
			<b>Distance Course Rates Apply</b>						
6663 <b>Advanced Digital Design and Manufacturing</b> Prerequisites: Mech Eng 5708 or Mech Eng 5757 or Mech Eng 5763 or equivalent.	3.0- 3.0	72197	LEC	1DIS	TTh	09:30 - 10:45 am	ARR		Leu,M
			<b>Distance Course Rates Apply</b>						

## Mining Engineering

4000 <b>Special Problems</b>	0.0- 6.0	71213	IND	6DIS	ARR	ARR	ARR		
			<b>Distance Course Rates Apply</b>						
4423 <b>Mineral Processing I (Flotation and Hydrometallurgy)</b> Prerequisite: Min Eng 3412.	3.0- 3.0		LEC	1DIS	ARR	ARR	ARR		
			<b>Distance Course Rates Apply</b>						
	3.0- 3.0	73068	LAB	3DIS	ARR	ARR	ARR		
			<b>Distance Course Rates Apply</b>						
4823 <b>Rock Mechanics</b> Prerequisites: Physics 2135; Civ Eng 2210; Geology 3310.	3.0- 3.0		LEC	1DIS	TTh	11:00 - 12:15 pm	ARR		Ge,M
			<b>Field Trip Required</b>						
			<b>Distance Course Rates Apply</b>						
	3.0- 3.0	71620	LAB	3DIS	W	01:00 - 03:50 pm	ARR		Ge,M
			<b>Field Trip Required</b>						
			<b>Distance Course Rates Apply</b>						
4932 <b>Underground Mining Methods And Equipment</b> Prerequisites: Min Eng 2924, Min Eng 3512; coreq. Min Eng 3913; Min Eng 4823.	3.0- 3.0	73413	LEC	1DIS	ARR	ARR	ARR		Aouad,N
			<b>Field Trip Required</b>						
			<b>Distance Course Rates Apply</b>						
4933 <b>Surface Mining Methods And Equipment</b> Prerequisites: Min Eng 3912; Min Eng 2914; Min Eng 3512; coreq. Min Eng 4823.	3.0- 3.0	71001	LEC	1DIS	MWF	04:00 - 04:50 pm	ARR		Frimpong,S
			<b>Field Trip Required</b>						
			<b>Distance Course Rates Apply</b>						
5113 <b>Advanced Mine Atmosphere Control</b> Prerequisite: Mi Eng 4113 or Consent of Instructor.	3.0- 3.0		LEC	1DIS	ARR	ARR	ARR		Hyder,Z
			<b>Distance Course Rates Apply</b>						
	3.0- 3.0	72464	LAB	3DIS	ARR	ARR	ARR		Hyder,Z
			<b>Distance Course Rates Apply</b>						
5412 <b>Advanced Aggregates Sizing and Characterization</b> Prerequisite: Mi Eng 4412 or Consent of Instructor.	3.0- 3.0		LEC	1DIS	ARR	ARR	ARR		Galecki,G
			<b>Distance Course Rates Apply</b>						
	3.0- 3.0	72466	LAB	3DIS	ARR	ARR	ARR		Galecki,G
			<b>Distance Course Rates Apply</b>						
5423 <b>Advanced Flotation and Hydrometallurgy</b> Prerequisites: Mi Eng 4423 or Consent of Instructor.	3.0- 3.0		LEC	1DIS	ARR	ARR	ARR		
			<b>Distance Course Rates Apply</b>						
	3.0- 3.0	73064	LAB	3DIS	ARR	ARR	ARR		
			<b>Distance Course Rates Apply</b>						

CATALOG #	AND COURSE TITLE	CREDIT	CLASS#	CMP	SEC	DAY	TIME	BLDG	ROOM	INSTRUCTOR
5522	<b>Advanced Ore Reserve Analysis And Geostatistics</b>	3.0- 3.0		LEC	1DIS	F	11:00 - 11:50 am	MCNT	00114	Awuah-Offei,K
	Prerequisites: Math 3304 & Stat 3113 or instructor consent.	3.0- 3.0	73417	LAB	3DIS	ARR	ARR	ARR		Awuah-Offei,K
5532	<b>Advanced Mining Economics</b> (Co-listed with ECON 5532)	3.0- 3.0	73414	LEC	1DIS	W	07:00 - 09:30 pm	ARR		Hyder,Z
5742	<b>Advanced Environmental Aspects of Mining</b>	3.0- 3.0	72467	LEC	1DIS	TTh	09:30 - 10:45 am	ARR		Awuah-Offei,K
	Prerequisites: Min Eng 5932 and 5933 or instructor consent. (Co-listed with GE XXXX)									
5823	<b>Rock Mechanics III</b>	3.0- 3.0		LEC	1DIS	TTh	11:00 - 12:15 pm	ARR		Ge,M
	Prerequisites: Mi Eng 4823 or Consent of Instructor.	3.0- 3.0	72469	LAB	3DIS	W	01:00 - 03:50 pm	ARR		Ge,M
5922	<b>Advanced Tunneling &amp; Underground Construction Techniques</b>	3.0- 3.0		LEC	1DIS	F	01:00 - 03:50 pm	MINE		Perry,K
	Prerequisites: Min Eng 4922 or Consent of Instructor.	3.0- 3.0	72473	LAB	3DIS	ARR	ARR	ARR		Perry,K
5932	<b>Advanced Underground Mining Methods</b>	3.0- 3.0	72555	LEC	1DIS	ARR	ARR	ARR		Aouad,N
	Prerequisite: Mi Eng 4932 or Consent of Instructor.									
5933	<b>Advanced Surface Mining Methods</b>	3.0- 3.0	72471	LEC	1DIS	MWF	04:00 - 04:50 pm	ARR		Frimpong,S
	Prerequisites: Min Eng 4933 or Consent of Instructor.									
6000	<b>Special Problems</b>	0.0- 6.0	71004	IND	6DIS	ARR	ARR	ARR		Galecki,G
		0.0- 6.0	71005	IND	6DIB	ARR	ARR	ARR		Weiss,D
		0.0- 6.0	71510	IND	6DIA	ARR	ARR	ARR		Ge,M
6001	<b>Special Topics</b>	3.0- 3.0	73526	LEC	1DIS	ARR	ARR	ARR		Weiss,D
6080	<b>Graduate Project</b>	3.0- 3.0	72987	IND	6DIS	ARR	ARR	ARR		Galecki,G
	Prerequisites: Graduate Standing.	3.0- 3.0	72988	IND	6DIB	ARR	ARR	ARR		Weiss,D
6522	<b>Mining Property Feasibility Studies And Evaluation Procedure</b>	3.0- 3.0		LEC	1DIS	ARR	ARR	ARR		Weiss,D
	Prerequisite: Min Eng 3512 or Geology 3511 or Min Eng 4742 or Geophys 3251.	3.0- 3.0	72992	LAB	3DIS	ARR	ARR	ARR		Weiss,D

## Nuclear Engineering

6099	<b>Research</b>	0.0-15.0	72529	IND	6DIS	ARR	ARR	ARR		Lee,H

## Philosophy

4354	<b>Mathematical Logic I</b>	3.0- 3.0	72950	LEC	1DIS	ARR	ARR	ARR		Insall,E
	Prerequisite: Philos 3254 or Math 5105 or Comp Sci 2500 or Comp Eng 2210. (Co-listed with Comp Eng 5803, Comp Sci 5203 and Math 5154)									

## Psychology

5201	<b>Psychometrics</b>	3.0- 3.0	72192	LEC	1DIS	M	07:00 - 09:30 pm	ARR		Burns,D
	Prerequisites: Psych 1101 and Psych 2200.									
5601	<b>Advanced Group Dynamics</b>	3.0- 3.0	73363	LEC	1DIS	T	07:00 - 09:30 pm	ARR		Shank,D
	Prerequisite: Psych 4601 or graduate standing.									
5602	<b>Organizational Processes: Research and Practice</b>	3.0- 3.0	72191	LEC	1DIS	W	07:00 - 09:30 pm	ARR		Kueny,C
	Prerequisite: Psych 4602 or graduate standing.									
5603	<b>Advanced Social Influence</b>	3.0- 3.0	72771	LEC	1DIS	T	04:00 - 06:30 pm	ARR		Cundiff,J
	Prerequisite: Psych 4603 or graduate standing.									

CATALOG # AND COURSE TITLE	CREDIT	CLASS#	CMP	SEC	DAY	TIME	BLDG	ROOM	INSTRUCTOR
6610 <b>Advanced Leadership Theory &amp; Practice</b> Prerequisite: Psych 4610 or graduate standing.	3.0- 3.0	73555	LEC	1DIS	W	07:00 - 09:30 pm	ARR		Weidner,N

**Distance Course Rates Apply**

## Statistics

5346 <b>Regression Analysis</b> Prerequisites: Math 2222 and one of Stat 3111, 3113, 3115, 3117, or 5643. (Co-listed with Comp Sci 5204)	3.0- 3.0	72175	LEC	1DIS	TTh	02:00 - 03:15 pm	ARR		Olbricht,G
5643 <b>Probability And Statistics</b> Prerequisite: Math 2222.	3.0- 3.0	73270	LEC	1DIS	TTh	11:00 - 12:15 pm	ARR		Olbricht,G
6001 <b>Special Topics</b>	3.0- 3.0	73464	LEC	1DIS	W	04:00 - 06:30 pm	ARR		Qin,R
						Financial Data Analysis Prerequisites: An undergraduate calculus based statistics course and one of Eng Mgt 6212, Sys Eng 6612, Eng Mgt 6213, or Sys Eng 6613. (Co-listed with Eng Mgt 6001)			
6344 <b>Design And Analysis Of Experiments</b>	3.0- 3.0	71892	LEC	1DIS	TTh	09:30 - 10:45 am	ARR		Samaranayake,V

**Distance Course Rates Apply**

**Distance Course Rates Apply**

## Systems Engineering

5000 <b>Special Problems</b>	1.0- 6.0	72568	IND	6DIS	ARR	ARR	ARR		Dagli,C
5101 <b>System Engineering and Analysis</b> Prerequisite: Graduate Standing.	3.0- 3.0	71425	LEC	1DIS	T	04:00 - 06:30 pm	ARR		Pape II,L
5212 <b>Introduction to Neural Networks and Applications</b> Prerequisites: Graduate Standing. (Co-listed with Elec Eng 5370)	3.0- 3.0	72073	LEC	1DIS	T	04:00 - 06:30 pm	ARR		Dagli,C
6050 <b>Continuous Registration</b>	1.0- 1.0	71335	IND	6DIS	ARR	ARR	ARR		Long,S
6099 <b>Research</b> Prerequisite: Graduate standing.	1.0-15.0	72323	IND	6DIS	ARR	ARR	ARR		Corns,S
	1.0-15.0	72324	IND	6DIA	ARR	ARR	ARR		Cudney,E
	1.0-15.0	72325	IND	6DIB	ARR	ARR	ARR		Dagli,C
	1.0-15.0	72326	IND	6DIC	ARR	ARR	ARR		Enke,D
	1.0-15.0	72327	IND	6DID	ARR	ARR	ARR		Gosavi,A
	1.0-15.0	72328	IND	6DIE	ARR	ARR	ARR		Grantham,K
	1.0-15.0	72329	IND	6DIF	ARR	ARR	ARR		Guardiola,I
	1.0-15.0	72330	IND	6DIG	ARR	ARR	ARR		Konur,D
	1.0-15.0	72331	IND	6DIH	ARR	ARR	ARR		Long,S
	1.0-15.0	72332	IND	6DIJ	ARR	ARR	ARR		Murray,S
	1.0-15.0	72333	IND	6DIL	ARR	ARR	ARR		Qin,R
	1.0-15.0	72334	IND	6DIM	ARR	ARR	ARR		Raper,S
6102 <b>Information Based Design</b> Prerequisites: Graduate Standing.	3.0- 3.0	71107	LEC	1DIS	T	04:00 - 06:30 pm	ARR		Guardiola,I
6103 <b>Economic Analysis for Systems Engineering</b> Prerequisites: Graduate Standing.	3.0- 3.0	71232	LEC	1DIS	M	04:00 - 06:30 pm	ARR		Yildirim,G
6104 <b>Systems Architecting</b> Prerequisites: Graduate Standing.	3.0- 3.0	71108	LEC	1DIS	M	04:00 - 06:30 pm	ARR		Dagli,C
6105 <b>Complex Engineering Systems Project Management</b> Prerequisites: Graduate Standing.	3.0- 3.0	71784	LEC	1DIS	T	07:00 - 09:30 pm	ARR		Hoffman,G

CATALOG # AND COURSE TITLE	CREDIT	CLASS#	CMP	SEC	DAY	TIME	BLDG	ROOM	INSTRUCTOR
6196 <b>Systems Engineering Capstone</b> Prerequisites: Sys Eng 6105.	3.0- 3.0	71364	LEC	1DIS	M	07:00 - 09:30 pm	ARR		Carson,R
									<b>Distance Course Rates Apply</b>
6215 <b>Adaptive Dynamic Programming</b> Prerequisites: Elec Eng 5370 or Comp Eng 5310. (Co-listed with Comp Eng 6320, Elec Eng 6360, Mech Eng 6458 and Aero Eng 6458)	3.0- 3.0	73293	LEC	1DIS	T	07:00 - 09:30 pm	ARR		Wunsch,D
									<b>Distance Course Rates Apply</b>
6216 <b>Advanced Topics in Data Mining</b> Prerequisite: A "C" or better grade in Comp Sci 5001 Introduction to Data Mining . (Co-listed with Comp Sci 6402 and Comp Eng 6302)	3.0- 3.0	73350	LEC	1DIS	MWF	03:00 - 03:50 pm	ARR		Leopold,J
									<b>Distance Course Rates Apply</b>
6321 <b>Modeling Complex Systems</b> Prerequisites: Graduate Standing. (Co-listed with COMP ENG 6410)	3.0- 3.0	73219	LEC	1DIS	W	04:00 - 06:30 pm	ARR		Dagli,C
									<b>Distance Course Rates Apply</b>
6322 <b>Resilient Networks</b> Prerequisites: Sys Eng 6410, Comp Eng 6410, or Comp Eng 5420. (Co-listed with COMP ENG 6510)	3.0- 3.0	72264	LEC	1DIS	Th	04:00 - 06:30 pm	ARR		Cetinkaya,E
									<b>Distance Course Rates Apply</b>
6324 <b>Wireless Ad hoc and Sensor Networks</b> Prerequisite: Comp Eng 5430 or Comp Eng 5420 or equivalent. (Co-listed with Comp Eng 6420 and Elec Eng 6430)	3.0- 3.0	73296	LEC	1DIS	MWF	08:00 - 08:50 am	ARR		Zawodniok,M
									<b>Distance Course Rates Apply</b>
6542 <b>Model Based Systems Engineering</b> Prerequisites: Graduate Standing. (Co-listed with COMP SCI 6102)	3.0- 3.0	73468	LEC	1DIS	F	04:00 - 06:30 pm	ARR		
									<b>Distance Course Rates Apply</b>
6615 <b>Financial Risk Management</b> Prerequisite: Eng Mgt 1210 or 5210. (Co-listed with Eng Mgt 6215)	3.0- 3.0	73238	LEC	1DIS	M	04:00 - 06:30 pm	ARR		Enke,D
									<b>Distance Course Rates Apply</b>

## Technical Communication

4520 <b>Help Authoring</b> Prerequisites: One semester of college composition or technical writing, or graduate standing.	3.0- 3.0	73451	LEC	1DIS	TTh	09:30 - 10:45 am	ARR		Wright,M
6600 <b>Foundations of Technical Communication</b>	3.0- 3.0	73454	LEC	1DIS	TTh	12:30 - 01:45 pm	ARR		Northcut,K