

2017 FALL SEMESTER MAIN MISSOURI S&T CAMPUS CLASS OFFERINGS

CATALOG # AND COURSE TITLE	CREDIT	CLASS#	CMP	SEC	DAY	TIME	BLDG	ROOM	INSTRUCTOR
Aerosp Studies-Air Force ROTC									
1110 Foundations Of The U.S. Air Force I	1.0- 1.0	70040	LEC	1A	W	10:00 - 10:50 am	HARR	00208	Ice,K
	1.0- 1.0	70042	LEC	1B	W	02:00 - 02:50 pm	HARR	00208	Ice,K
	1.0- 1.0		LAB	3A	Th	03:30 - 05:30 pm	H-SS	000G5	Ice,K
	1.0- 1.0		LAB	3B	Th	03:30 - 05:30 pm	H-SS	000G5	Ice,K
2110 The Evolution Of USAF Air And Space Power I	1.0- 1.0	71664	LEC	1A	W	11:00 - 11:50 am	HARR	00208	Unger,B
	1.0- 1.0	70045	LEC	1B	W	03:00 - 03:50 pm	HARR	00208	Unger,B
	1.0- 1.0		LAB	3A	Th	03:30 - 05:30 pm	H-SS	000G5	Unger,B
	1.0- 1.0		LAB	3B	Th	03:30 - 05:30 pm	H-SS	000G5	Unger,B
3110 Air Force Leadership Studies I	3.0- 3.0	70047	LEC	1A	T	03:00 - 05:30 pm	HARR	00208	Ice,K
	3.0- 3.0		LAB	3A	Th	03:30 - 05:30 pm	H-SS	000G5	Ice,K
4110 National Security Affairs/Preparation For Active Duty I	3.0- 3.0	70049	LEC	1A	T	05:30 - 08:00 pm	ARR		Logsdon,C
	3.0- 3.0		LAB	3A	Th	03:30 - 05:30 pm	H-SS	000G5	Logsdon,C
Aerospace Engineering									
2360 Dynamics	3.0- 3.0	71268	LEC	1A	MWF	08:00 - 08:50 am	TMH	00254	Du,X
Prerequisite: Grade of "C" or better in each of Civ Eng 2200, Math 2222.	3.0- 3.0	71269	LEC	1B	MWF	09:00 - 09:50 am	TMH	00254	Du,X
(Co-listed with Mech Eng 2360)	3.0- 3.0	73022	LEC	1C	TTh	09:30 - 10:45 am	BERTELS	00112B	Kumar,N
			LEC	1C	TTh	09:30 - 10:45 am	BERTELS	00112A	Kumar,N
2861 Aerospace Vehicle Performance	3.0- 3.0	70001	LEC	1A	MWF	08:00 - 08:50 am	MCNT	00204	Riggins,D
Prerequisite: A grade of "C" or better in both Math 1215 and Physics 1135.									
3002 Cooperative Engineering Training	0.0- 6.0	70002	IND	6A	ARR	ARR	ARR		Isaac,K
3131 Aerodynamics I	3.0- 3.0	70004	LEC	1A	TTh	09:30 - 10:45 am	BCH	00125	Duan,L
Prerequisites: A grade of "C" or better in each of Aero Eng 2861, Math 1214, Math 1215, Math 2222 and Physics 1135.	3.0- 3.0	73196	LEC	1B	TTh	09:30 - 10:45 am	TMH	00250	Schmidt,J
3613 Aerospace Mechanics I	3.0- 3.0	70003	LEC	1A	TTh	08:00 - 09:15 am	EMGT	00103	Pernicka,H
Prerequisites: Math 3304; a grade of "C" or better in each of Aero Eng 2360 (or Mech Eng 2360), Math 1214 (or 1208), 1215 (or 1221),2222, and Physics 1135.									
3877 Principles of Engineering Materials	3.0- 3.0	70016	LEC	1A	MWF	08:00 - 08:50 am	MCNT	00216	Newkirk,J
(Co-listed with Chem Eng 5300, Physics 4523, Met Eng 5810, Cer Eng 5810)									
4000 Special Problems	0.0- 6.0	70010	IND	6A	ARR	ARR	ARR		Pernicka,H
Consent of instructor required.	0.0- 6.0	70011	IND	6B	ARR	ARR	ARR		
4099 Undergraduate Research	0.0- 6.0	70019	IND	6A	ARR	ARR	ARR		Balakrishnan,S
	0.0- 6.0	70020	IND	6B	ARR	ARR	ARR		Chandrashekhara,K
	0.0- 6.0	70021	IND	6C	ARR	ARR	ARR		DeMars,K
	0.0- 6.0	70022	IND	6D	ARR	ARR	ARR		Dharani,L
	0.0- 6.0	70023	IND	6E	ARR	ARR	ARR		Duan,L
	0.0- 6.0	70024	IND	6F	ARR	ARR	ARR		Hosder,S
	0.0- 6.0	70025	IND	6G	ARR	ARR	ARR		Isaac,K
	0.0- 6.0	71546	IND	6H	ARR	ARR	ARR		Pernicka,H
	0.0- 6.0	71547	IND	6J	ARR	ARR	ARR		Riggins,D
	0.0- 6.0	72110	IND	6K	ARR	ARR	ARR		Rovey,J
4253 Aerospace Structures II	3.0- 3.0	70006	LEC	1A	TTh	09:30 - 10:45 am	BERTELS	00B10	Wojnar,C
Prerequisite: Aero Eng 3251.									
4535 Aircraft and Space Vehicle Propulsion	3.0- 3.0	70005	LEC	1A	MWF	09:00 - 09:50 am	MCNT	00211	Riggins,D
Prerequisite: Mech Eng 3131, or Aero Eng 3171.									
4780 Aerospace Systems Design I	2.0- 2.0	70007	LEC	1A	MW	10:00 - 10:50 am	TMH	00249	Meeks,W
Prerequisites: Aero Eng 3251, 3361, 3171.									
4790 Spacecraft Design I	3.0- 3.0	70017	LEC	1A	F	10:00 - 10:50 am	ARR		Pernicka,H
Prerequisites: Aero Eng 3251, 3361, and 3171 for Aero Eng majors; consent of instructor for non-Aero Eng majors.			LEC	1A	W	04:00 - 06:00 pm	ARR		

CATALOG # AND COURSE TITLE	CREDIT	CLASS#	CMP	SEC	DAY	TIME	BLDG	ROOM	INSTRUCTOR
4883 Experimental Methods in Aerospace Engineering II Prerequisites: Aero Eng 3251, 3361, 3171, & 4882.	2.0- 2.0	70008	LAB	3A	M	11:00 - 11:50 am	H-SS	000G5	
			LAB	3A	M	01:00 - 03:00 pm	ARR		Isaac,K
	2.0- 2.0	70009	LAB	3B	M	11:00 - 11:50 am	H-SS	000G5	
			LAB	3B	M	03:00 - 05:00 pm	ARR		Isaac,K
	2.0- 2.0	72231	LAB	3C	M	11:00 - 11:50 am	H-SS	000G5	Isaac,K
			LAB	3C	T	01:00 - 03:00 pm	ARR		
	2.0- 2.0	71244	LAB	3D	M	11:00 - 11:50 am	H-SS	000G5	
			LAB	3D	T	03:00 - 05:00 pm	ARR		Isaac,K
	2.0- 2.0	72232	LAB	3E	M	11:00 - 11:50 am	H-SS	000G5	Isaac,K
			LAB	3E	Th	01:00 - 03:00 pm	ARR		
	2.0- 2.0	72233	LAB	3F	M	11:00 - 11:50 am	H-SS	000G5	Isaac,K
			LAB	3F	Th	03:00 - 05:00 pm	ARR		
4885 Assessment Prerequisites: Aero Eng 3171, Aero Eng 3361, Aero Eng 4535, Aero Eng 4253.	1.0- 1.0	73023	LEC	1A	W	03:00 - 03:50 pm	TMH	00295	Isaac,K
5000 Special Problems Prerequisite: Consent of instructor required.	0.0- 6.0	70026	IND	6A	ARR	ARR	ARR		
	0.0- 6.0	71702	IND	6B	ARR	ARR	ARR		
5131 Intermediate Thermofluid Mechanics Prerequisite: Mech Eng 3131 or Aero Eng 3131. (Co-listed with Mech Eng 5131)	3.0- 3.0	72094	LEC	1A	MWF	03:00 - 03:50 pm	TMH	00260	Homan,K
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	70012	LEC	1A	MWF	01:00 - 01:50 pm	FUL	00107A	Isaac,K
5169 Introduction to Hypersonic Flow Prerequisites: Aero Eng 3171.	3.0- 3.0	71532	LEC	1A	TTh	11:00 - 12:15 pm	BERTELS	00B12B	Hosder,S
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	70014	LEC	1A	TTh	11:00 - 12:15 pm	BCH	00213	Chandrashekhara,K
5238 Fatigue Analysis Prerequisite: Civ Eng 2210. (Co-listed with Mech Eng 5238)	3.0- 3.0	70013	LEC	1A	TTh	02:00 - 03:15 pm	BCH	00213	Dharani,L
5307 Vibrations I Prerequisites: Mech Eng 3411 and 3313, or Aero Eng 3613 and Math 3304. (Co-listed with Mech Eng 5307)	3.0- 3.0	72093	LEC	1A	TTh	02:00 - 03:15 pm	MCNT	00212	Stutts,D
5361 Flight Dynamics-Stability And Control Prerequisite: Aero Eng 3361.	3.0- 3.0	70015	LEC	1A	TTh	12:30 - 01:45 pm	TMH	00250	DeMars,K
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	1A	MW	08:00 - 08:50 am	TMH	00260	Bristow,D
	3.0- 3.0	80966	LAB	3A	F	08:00 - 08:50 am	TMH	00260	Bristow,D
5481 Mechanical and Aerospace Control Systems Prerequisite: Mech Eng 4479 or Aero Eng 3361. (Co-listed with Mech Eng 5481)	3.0- 3.0	70018	LEC	1A	MWF	09:00 - 09:50 am	EECH	00239	Balakrishnan,S
5525 Intermediate Heat Transfer Prerequisite: Mech Eng 3525. (Co-listed with Mech Eng 5525)	3.0- 3.0	72528	LEC	1A	MWF	11:00 - 11:50 am	TMH	00254	Crosbie,A
5527 Combustion Processes Prerequisite: Mech Eng 3521. (Co-listed with Mech Eng 5527)	3.0- 3.0	72002	LEC	1A	TTh	09:30 - 10:45 am	BERTELS	00B12A	Koylu,U
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	71196	LEC	1A	Th	07:00 - 09:30 pm	EECH	00239	Appelman,H
6000 Special Problems	0.0- 6.0	72742	IND	6A	ARR	ARR	ARR		Dharani,L
6001 Special Topics Prerequisites: Aero Eng 5614	3.0- 3.0	81049	LEC	1A	TTh	03:30 - 04:45 pm	TMH	00249	DeMars,K
									Methods in Orbit Determination

CATALOG # AND COURSE TITLE	CREDIT	CLASS#	CMP	SEC	DAY	TIME	BLDG	ROOM	INSTRUCTOR
	3.0- 3.0	81115	LEC	1B	MWF	12:00 - 12:50 pm	FUL	00107A	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)
6040	3.0- 3.0	81138	LEC	1C	CANCELLED				
	0.0- 0.0	70039	IND	6A	ARR	ARR		ARR	
									Student will be billed for one credit hour. Not required for students otherwise enrolled. Graduate office permission required.
6099	0.0-15.0	70027	IND	6A	ARR	ARR		ARR	Balakrishnan,S
	0.0-15.0	70028	IND	6B	ARR	ARR		ARR	Birman,V
	0.0-15.0	70029	IND	6C	ARR	ARR		ARR	Chandrashekhara,K
	0.0-15.0	70030	IND	6D	ARR	ARR		ARR	DeMars,K
	0.0-15.0	70031	IND	6E	ARR	ARR		ARR	Dharani,L
	0.0-15.0	70032	IND	6F	ARR	ARR		ARR	Duan,L
	0.0-15.0	70033	IND	6G	ARR	ARR		ARR	Eversman,W
	0.0-15.0	70034	IND	6H	ARR	ARR		ARR	
	0.0-15.0	70035	IND	6J	ARR	ARR		ARR	Hosder,S
	0.0-15.0	70036	IND	6K	ARR	ARR		ARR	Isaac,K
	0.0-15.0	70037	IND	6L	ARR	ARR		ARR	Krishnamurthy,K
	0.0-15.0	70038	IND	6M	ARR	ARR		ARR	Pernicka,H
	0.0-15.0	71783	IND	6N	ARR	ARR		ARR	Riggins,D
	0.0-15.0	72226	IND	6P	ARR	ARR		ARR	
	0.0-15.0	72830	IND	6Q	ARR	ARR		ARR	Wojnar,C
6284	3.0- 3.0	71377	LEC	1A	W	04:00 - 06:30 pm	HARR	00107	Birman,V
									Analysis of Laminated Composite Structures
									Prerequisite: Mech Eng 5282 or Aero Eng 5282. (Co-listed with Mech Eng 6284)
6447	3.0- 3.0	71643	LEC	1A	M	04:00 - 06:30 pm	TMH	00260	Gosavi,A
									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)
6481	3.0- 3.0	81052	LEC	1A	CANCELLED				
									Advanced Topics in Decision and Control
									Prerequisites: Aero Eng 5481 or Mech Eng 5481 or equivalent. (Co-listed with Mech Eng 6481)

Architectural Engineering

2003	3.0- 3.0		LEC	1A	TTh	11:00 - 11:50 am	BCH	00120	Schonberg,W
	3.0- 3.0	70052	LAB	3A	T	01:00 - 02:50 pm	BCH	00115	Schonberg,W
									Engineering Communications and Computations
									Prerequisite: Sophomore standing. (Co-listed with Civ Eng 2003)
	3.0- 3.0	71227	LAB	3B	Th	01:00 - 02:50 pm	BCH	00115	Schonberg,W
									See 'Notes' for Class Schedule
	3.0- 3.0	71423	LAB	3C	Th	03:00 - 04:50 pm	BCH	00115	Schonberg,W
									See 'Notes' for Class Schedule
3201	3.0- 3.0		LEC	1A	ARR	ARR			
	3.0- 3.0		LEC	1D	TTh	09:30 - 10:20 am	BCH	00318	Alghazali,H
	3.0- 3.0		LEC	1E	TTh	09:30 - 10:20 am	BCH	00216	Hernandez,E
	3.0- 3.0	70058	LAB	3A	ARR	ARR			Alghazali,H
	3.0- 3.0	70059	LAB	3B	ARR	ARR			Hernandez,E
	3.0- 3.0	81281	LAB	3D	Th	01:00 - 03:50 pm	BCH	00216	Alghazali,H
	3.0- 3.0	81285	LAB	3E	F	01:00 - 03:50 pm	BCH	00101	Hernandez,E
3210	3.0- 3.0		LEC	1A	TTh	11:00 - 12:15 pm	BCH	00101	ElGawady,M
	3.0- 3.0	70061	LAB	3A	TTh	09:30 - 10:20 am	BCH	00101	Thomas,J
									Structural Design in Metals
									Prerequisite: Arch Eng 3201 with grade of "C" or better. (Co-listed with Cv Eng 3210)
3220	3.0- 3.0		LEC	1A	MW	09:00 - 09:50 am	BCH	00315	Wu,C
	3.0- 3.0	70063	LAB	3A	Th	12:30 - 03:15 pm	BCH	00101	Wu,C
									Reinforced Concrete Design
									Prerequisite: Arch Eng 3201 with grade of "C" or better. (Co-listed with Civ Eng 3220)
3803	3.0- 3.0	73039	LEC	1A	MWF	11:00 - 11:50 am	BCH	00317	Gillis,W
									Building Electrical Systems
									Prerequisites: Math 3304 and Physics 2135.

CATALOG # AND COURSE TITLE	CREDIT	CLASS#	CMP	SEC	DAY	TIME	BLDG	ROOM	INSTRUCTOR
3804 Architectural Design II Prerequisite: Art 3203.	3.0- 3.0		LEC	1A	T	02:00 - 02:50 pm	BCH	00318	Baur,S
	3.0- 3.0	70054	LAB	3A	MW	03:00 - 05:50 pm	BCH	00321	Baur,S
	3.0- 3.0	70055	LAB	3B	TTh	03:00 - 05:50 pm	BCH	00321	Pickerill,H
4010 Senior Seminar: Engineering In A Global Society Prerequisite: Senior standing. (Co-listed with Civ Eng and Env Eng 4010)	1.0- 1.0	70056	RSD	2A	W	12:00 - 12:50 pm	BCH	00120	Burken,J
4097 Senior Design Project Prerequisite: Arch Eng 4448 or Civ Eng 4448. (Co-listed with Civ Eng 4097 and Env Eng 4097)	3.0- 3.0	71232	LEC	1A	M	01:00 - 03:50 pm	BCH	00125	
			LEC	1A	M	01:00 - 03:50 pm	BCH	00123	
			LEC	1A	M	01:00 - 03:50 pm	BCH	00122	Showalter,W
4099 Undergraduate Research	0.0- 6.0	71242	IND	6A	ARR	ARR	ARR		Baur,S
	0.0- 6.0	71866	IND	6B	ARR	ARR	ARR		Myers,J
4448 Fundamentals Of Contracts And Construction Engineering Prerequisite: Senior Standing. (Co-listed with Civ Eng 4448)	3.0- 3.0	70064	LEC	1A	TTh	08:00 - 09:15 am	BCH	00213	Showalter,W
	3.0- 3.0	80950	LEC	1B	TTh	09:30 - 10:45 am	BCH	00121	Showalter,W
5001 Special Topics	3.0- 3.0		LEC	1A	MW	10:00 - 10:50 am	BCH	00316	Baur,S
			Passive Solar Engineering Prerequisite: Mech Eng 5571.						
	3.0- 3.0	81175	LEC	1B	MF	12:00 - 12:50 pm	BCH	00110	Yan,G
			Wind Engineering						
			LEC	1B	W	04:00 - 04:50 pm	BCH	00121	
			Wind Engineering						
	3.0- 3.0	80911	LAB	3A	F	10:00 - 10:50 am	BCH	00316	Baur,S
			Passive Solar 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	72983	LEC	1A	MWF	11:00 - 11:50 am	FUL	00107A	Thomas,J
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	80954	LEC	1A	TTh	03:30 - 04:45 pm	BERTELS	00B12B	Chen,G
5445 Construction Methods Prerequisite: Arch Eng 4448 with a grade of "C" or better. (Co-listed with Civ Eng 5445)	3.0- 3.0	70065	LEC	1A	T	04:00 - 06:30 pm	BCH	00213	Augenstein,A
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	72010	LEC	1A	MWF	10:00 - 10:50 am	BERTELS	00B12B	Scott-Showalter,P
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	73040	LEC	1A	MWF	09:00 - 09:50 am	BERTELS	00B12B	Scott-Showalter,P
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	71985	LEC	1A	TTh	09:30 - 10:45 am	BCH	00213	Fitch,M
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	72133	LEC	1A	M	07:00 - 09:30 pm	BERTELS	00B12A	Williams JR,G

Art

1120 Drawing I	3.0- 3.0	70066	LEC	1A	W	02:00 - 04:30 pm	CH	00213	Arthur,S
	3.0- 3.0	80964	LEC	1B	CANCELLED				
1140 Painting I	3.0- 3.0	70068	LEC	1A	W	04:45 - 07:30 pm	CH	00213	Shoemaker,C

CATALOG # AND COURSE TITLE	CREDIT	CLASS#	CMP	SEC	DAY	TIME	BLDG	ROOM	INSTRUCTOR
1164 Sculpture	3.0- 3.0	71767	LEC	1A	TTh	02:00 - 03:15 pm	CH	00213	Myers,L
1180 Art Appreciation	3.0- 3.0	71364	LEC	1A	MWF	11:00 - 11:50 am	CASTL	00138	Arthur,S
	3.0- 3.0	70070	LEC	1B	CANCELLED				
	3.0- 3.0	71225	LEC	1C	TTh	09:30 - 10:45 am	PHYS	00128	Arthur,S
	3.0- 3.0	71499	LEC	1D	CANCELLED				
	3.0- 3.0	71365	LEC	1E	TTh	03:30 - 04:45 pm	CASTL	00138	Arthur,S
1185 Study Of Film	3.0- 3.0		LEC	1A	T	09:30 - 10:45 am	CASTL	00138	Tohline,A
	3.0- 3.0		LEC	1B	T	11:00 - 12:15 pm	CASTL	00138	Tohline,A
	3.0- 3.0	70073	LAB	3A	T	07:00 - 10:00 pm	CASTL	LEACH	Tohline,A
	3.0- 3.0	70075	LAB	3B	T	07:00 - 10:00 pm	CASTL	LEACH	Tohline,A
2130 Advanced Drawing Prerequisite: Art 1120.	3.0- 3.0	70067	LEC	1A	CANCELLED				
2150 Advanced Painting Prerequisite: Art 1140.	3.0- 3.0	70069	LEC	1A	CANCELLED				
3001 Special Topics	3.0- 3.0	81083	LEC	1B	W	06:00 - 09:00 pm	ARR		Tohline,A
			Experimental Film & Video Prerequisite: Art 1185 or a studio art course (such as Drawing, Painting, or Photography).						
	3.0- 3.0		LEC	1C	CANCELLED				
	3.0- 3.0	81116	LEC	1D	CANCELLED				
	3.0- 3.0	80918	LAB	3A	M	04:00 - 06:30 pm	CH	00213	Myers,L
			Innovation and Design Thinking						
	3.0- 3.0	81101	LAB	3C	CANCELLED				
3100 Advanced Art Studio Prerequisites: Art 1120, Art 1140, or Art 1164.	3.0- 3.0		LEC	1A	T	12:00 - 02:00 pm	CH	00213	Myers,L
	3.0- 3.0	81161	LAB	3A	Th	12:00 - 02:00 pm	CH	00213	Myers,L
3221 Fundamentals in Photography Prerequisite: Art 1180 or Art 1185 (required for Art minor credit) or Sp&M S 1185 or Sp&M S 2181 (required for Speech minor credit). (Co-listed with Sp&M S 3221)	3.0- 3.0	71559	LEC	1A	W	06:30 - 09:15 pm	CSF	00114	Rupert,B
	3.0- 3.0	72257	LEC	1B	Th	06:30 - 09:15 pm	CSF	00114	Rupert,B
	3.0- 3.0	81240	LEC	1C	T	04:30 - 07:30 pm	CSF	00114	Phelan,R
3260 Exploring Digital Art	3.0- 3.0		LEC	1A	W	04:00 - 05:15 pm	CS	00206	Myers,L
	3.0- 3.0	72737	LAB	3A	W	05:15 - 06:30 pm	CS	00206	Myers,L

Arts, Languages & Philosophy

4397 Multidisciplinary Studies Capstone Prerequisite: Senior status.	3.0- 3.0	72899	LEC	1A	ARR	ARR	ARR		Merfeld-Langston,A
--------------------------------------------------------------------------------	----------	-------	-----	----	-----	-----	-----	--	--------------------

Biological Sciences

1113 General Biology Prerequisite: Entrance requirements.	3.0- 3.0	70100	LEC	1A	MWF	09:00 - 09:50 am	SHNK	00126	Sui,N
1201 Biological Sciences Freshman Seminar Prerequisite: Biological Sciences majors only.	1.0- 1.0	81048	RSD	2B	T	10:00 - 10:50 am	BCH	00120	Shannon,K
			Bio Sci Majors Only						
1213 Principles of Biology Prerequisite: Biological Science majors only.	3.0- 3.0	71193	LEC	1A	MWF	10:00 - 10:50 am	BCH	00124	Wilson,T
			Bio Sci Majors Only						
1219 General Biology Lab Prerequisite: Preceded or accompanied by either Bio Sci 1113 or Bio Sci 1213.	2.0- 2.0		LEC	1A	T	02:00 - 02:50 pm	SHNK	00111	Sui,N
			Bio Sci Majors Only						
	2.0- 2.0		LEC	1B	W	02:00 - 02:50 pm	SHNK	00111	Sui,N
	2.0- 2.0		LEC	1C	T	06:00 - 06:50 pm	SHNK	00111	Sui,N
	2.0- 2.0	70102	LAB	3A	T	03:00 - 04:50 pm	SHNK	00111	Wilson,T
			Bio Sci Majors Only						
	2.0- 2.0	70104	LAB	3B	W	03:00 - 04:50 pm	SHNK	00111	Sui,N
	2.0- 2.0	71915	LAB	3C	T	07:00 - 08:50 pm	SHNK	00111	Sui,N
1223 Biodiversity	3.0- 3.0	72610	LEC	1A	TTh	11:00 - 12:15 pm	SHNK	00126	Niyogi,D
1229 Biodiversity Lab Prerequisite: Preceded or accompanied by Biodiversity (Bio Sci 1223)	1.0- 1.0	72611	LAB	3A	M	02:00 - 05:00 pm	SHNK	00111	Wilson,T
	1.0- 1.0	72612	LAB	3B	M	05:00 - 08:00 pm	SHNK	00111	Wilson,T
2213 Cell Biology Prerequisites: Preceded or accompanied by CHEM 1320.	3.0- 3.0	70105	LEC	1A	MWF	11:00 - 11:50 am	CH	00104	Shannon,K
2219 Cell Biology Laboratory Prerequisite: Preceded or accompanied by Bio Sci 2213.	1.0- 1.0	71441	LAB	3A	Th	02:00 - 03:50 pm	SHNK	00111	Wilson,T
			For Bio Sci majors only. Bio Sci Majors Only						

CATALOG # AND COURSE TITLE	CREDIT	CLASS#	CMP	SEC	DAY	TIME	BLDG	ROOM	INSTRUCTOR	
				LAB 3A	ARR	ARR		ARR		
				For Bio Sci majors only.						
				Bio Sci Majors Only						
	1.0- 1.0	71442		LAB 3B	F	02:00 - 03:50 pm	SHNK	00111	Wilson,T	
				LAB 3B	ARR	ARR		ARR		
	1.0- 1.0	71810		LAB 3C	Th	06:00 - 07:50 pm	SHNK	00111	Wilson,T	
				LAB 3C	ARR	ARR		ARR		
2223	3.0- 3.0	71260	LEC	1A	MWF	10:00 - 10:50 am	SHNK	00126	Sui,N	
2233	3.0- 3.0	71631	LEC	1A	MWF	01:00 - 01:50 pm	CH	00104	Frank,R	
2263	3.0- 3.0	70106	LEC	1A	TTh	11:00 - 12:15 pm	CH	00104	Huang,Y	
	Prerequisite: Bio Sci 1113 or Bio Sci 1213.									
2372	3.0- 3.0	80942	LEC	1A	TTh	09:30 - 10:45 am	SHNK	00139	Huang,Y	
	Prerequisite: Bio Sci 1113 or Bio Sci 1213.									
3000	0.0- 6.0	71277	IND	6A	ARR	ARR			Frank,R	
	0.0- 6.0	70107	IND	6B	ARR	ARR			Hou,C	
	0.0- 6.0	70108	IND	6D	ARR	ARR			Huang,Y	
	0.0- 6.0	70109	IND	6E	ARR	ARR			Mormile,M	
	0.0- 6.0	70110	IND	6F	ARR	ARR			Niyogi,D	
	0.0- 6.0	70111	IND	6G	ARR	ARR			Shannon,K	
	0.0- 6.0	70112	IND	6H	ARR	ARR			Thimgan,M	
	0.0- 6.0	70113	IND	6J	ARR	ARR			Westenberg,D	
	0.0- 6.0	70114	IND	6K	ARR	ARR			Wilson,T	
	0.0- 6.0	81159	IND	6L	ARR	ARR			Semon,J	
	0.0- 6.0	81261	IND	6M	ARR	ARR			Duvernell,D	
	0.0- 6.0	81265	IND	6N	ARR	ARR			Semon,J	
3313	3.0- 3.0	71734	LEC	1A	MWF	09:00 - 09:50 am	CS	00204	Westenberg,D	
	Prerequisite: Chem 1320.									
				Communication Emphasized						
3333	3.0- 3.0	71855	LEC	1A	MWF	12:00 - 12:50 pm	TMH	00295	Thimgan,M	
	Prerequisite: Bio Sci 1113 or Bio Sci 1213 or Bio Sci 2213.									
3339	1.0- 1.0	71856	LAB	3A	W	02:00 - 04:50 pm	SHNK	00313		
	1.0- 1.0	71941	LAB	3B	W	06:00 - 08:50 pm	SHNK	00313		
	Prerequisite: Preceded or accompanied by Bio Sci 3333.									
3783	3.0- 3.0	80943	LAB	3A	TTh	11:00 - 12:15 pm	NOR	00208	Semon,J	
	Prerequisite: At least two 2000 level or higher Biology courses.									
4010	1.0- 1.0	70115	RSD	2A	F	10:00 - 10:50 am	CH	00103	Shannon,K	
	1.0- 1.0	70116	RSD	2B	Th	10:00 - 10:50 am	CH	00103	Shannon,K	
4099	1.0- 3.0	71249	IND	6A	ARR	ARR			Frank,R	
	1.0- 3.0	71250	IND	6B	ARR	ARR			Hou,C	
	1.0- 3.0	71251	IND	6D	ARR	ARR			Huang,Y	
	1.0- 3.0	71252	IND	6E	ARR	ARR			Mormile,M	
	1.0- 3.0	71253	IND	6F	ARR	ARR			Niyogi,D	
	1.0- 3.0	71254	IND	6G	ARR	ARR			Semon,J	
	1.0- 3.0	71255	IND	6H	ARR	ARR			Shannon,K	
	1.0- 3.0	71256	IND	6J	ARR	ARR			Thimgan,M	
	1.0- 3.0	71579	IND	6K	ARR	ARR			Westenberg,D	
	1.0- 3.0	81263	IND	6L	ARR	ARR			Duvernell,D	
	1.0- 3.0	81267	IND	6M	ARR	ARR			Semon,J	
4323	3.0- 3.0	70117	LEC	1A	MWF	11:00 - 11:50 am	BCH	00121	Frank,R	
	Prerequisites: Bio Sci 2223 and Bio Sci 2213.									
4353	3.0- 3.0	71969	LEC	1A	TTh	12:30 - 01:45 pm	BERTELS	00B12A	Shannon,K	
	Prerequisite: Bio Sci 2213.									
4363	3.0- 3.0	71735	LEC	1A	TTh	02:00 - 03:15 pm	SHNK	00126	Niyogi,D	
	Prerequisite: Bio Sci 2263.									
5000	0.0- 6.0	71323	IND	6A	ARR	ARR			Frank,R	
	0.0- 6.0	71324	IND	6B	ARR	ARR			Hou,C	
	0.0- 6.0	71325	IND	6C	ARR	ARR			Huang,Y	
	0.0- 6.0	71326	IND	6D	ARR	ARR			Mormile,M	
	0.0- 6.0	71327	IND	6E	ARR	ARR			Niyogi,D	
	0.0- 6.0	71309	IND	6F	ARR	ARR			Shannon,K	
	0.0- 6.0	71328	IND	6G	ARR	ARR			Thimgan,M	
	0.0- 6.0	71329	IND	6H	ARR	ARR			Westenberg,D	

CATALOG # AND COURSE TITLE	CREDIT	CLASS#	CMP	SEC	DAY	TIME	BLDG	ROOM	INSTRUCTOR
	0.0- 6.0	81262	IND	6J	ARR	ARR	ARR		Duvernell,D
	0.0- 6.0	81266	IND	6K	ARR	ARR	ARR		Semon,J
5001 Special Topics	3.0- 3.0	80944	LEC	1A	TTh	09:30 - 10:45 am	IDE	000G4A	Semon,J
									Stem Cell Biology Prerequisite: Bio Sci 2213.
5010 Graduate Seminar	0.0- 6.0	71417	RSD	2A	ARR	ARR	ARR		Semon,J
5040 Oral Examination	0.0- 0.0	71505	IND	6A	ARR	ARR	ARR		
5099 Graduate Research	0.0-15.0	71257	IND	6A	ARR	ARR	ARR		Frank,R
	0.0-15.0	70119	IND	6B	ARR	ARR	ARR		Hou,C
	0.0-15.0	71818	IND	6C	ARR	ARR	ARR		Huang,Y
	0.0-15.0	70120	IND	6D	ARR	ARR	ARR		Mormile,M
	0.0-15.0	70121	IND	6E	ARR	ARR	ARR		Niyogi,D
	0.0-15.0	70122	IND	6F	ARR	ARR	ARR		Semon,J
	0.0-15.0	70123	IND	6G	ARR	ARR	ARR		Shannon,K
	0.0-15.0	70124	IND	6H	ARR	ARR	ARR		Thingan,M
	0.0-15.0	70125	IND	6J	ARR	ARR	ARR		Westenberg,D
	0.0-15.0	81264	IND	6K	ARR	ARR	ARR		Duvernell,D
	0.0-15.0	81268	IND	6L	ARR	ARR	ARR		Semon,J
5210 Biomaterials I	3.0- 3.0	72215	LEC	1A	TTh	12:30 - 01:45 pm	MCNT	00265	
									Prerequisite: Senior undergraduate standing. (Co-listed with Chem Eng 5200, MS&E 5310)
5313 Pathogenic Microbiology	3.0- 3.0	80945	LEC	1A	MWF	02:00 - 02:50 pm	SHNK	00139	Westenberg,D
									Prerequisite: Bio Sci 2213 or Civ Eng 2601.
6210 Biomaterials II	3.0- 3.0	72216	LEC	1A	TTh	12:30 - 01:45 pm	MCNT	00265	
									Prerequisite: Graduate Standing. (Co-listed with CHEM ENG 6300, MS&E 6310)
6273 Techniques In Applied And Environmental Biology	3.0- 3.0	71416	LEC	1A	ARR	ARR	ARR		Huang,Y
									Prerequisite: Graduate standing.
6353 Advanced Cancer Cell Biology	3.0- 3.0	71970	LEC	1A	TTh	12:30 - 01:45 pm	BERTELS	00B12A	Shannon,K
									Prerequisite: Bio Sci 2213.
6363 Advanced Freshwater Ecology	3.0- 3.0	71736	LEC	1A	TTh	02:00 - 03:15 pm	SHNK	00126	Niyogi,D
									Prerequisite: Graduate student standing.
Business									
1000 Special Problems	0.0- 6.0	72145	IND	6A	ARR	ARR	ARR		Siau,K
1110 Introduction to Management and Entrepreneurship	3.0- 3.0	70126	LEC	1A	TTh	03:30 - 04:45 pm	BCH	00120	Harvey,E
1210 Financial Accounting	3.0- 3.0	72052	LEC	1A	TTh	02:00 - 03:15 pm	BCH	00317	Eng,L
	3.0- 3.0	71784	LEC	1B	TTh	11:00 - 12:15 pm	BCH	00317	Eng,L
1810 Introduction to College Success	1.0- 1.0	72144	LEC	1A	W	03:00 - 03:50 pm	EMGT	00103	Siau,K
2000 Special Problems	0.0- 6.0	71475	IND	6A	ARR	ARR	ARR		
2910 Business Law	3.0- 3.0	70127	LEC	1A	TTh	03:30 - 04:45 pm	CS	00203	Anderson,E
4099 Undergraduate Research	0.0- 6.0	71386	IND	6A	ARR	ARR	ARR		Elrod,C
	0.0- 6.0	71774	IND	6B	ARR	ARR	ARR		Lea,B
4111 Business Negotiations	3.0- 3.0	72602	LEC	1A	M	04:00 - 06:30 pm	EECH	00239	Bates,C
									Prerequisites: At least Junior status.
5000 Special Problems	0.0- 6.0	71503	IND	6A	ARR	ARR	ARR		Elrod,C
	0.0- 6.0	72137	IND	6B	ARR	ARR	ARR		Lea,B
	0.0- 6.0	72451	IND	6C	ARR	ARR	ARR		
5001 Special Topics	3.0- 3.0	80853	LEC	1A	CANCELLED				
5080 Practicum	0.0- 6.0	71825	IND	6A	ARR	ARR	ARR		
									Prerequisite: Business Core.
5085 Internship	0.0- 6.0	71689	IND	6A	ARR	ARR	ARR		
									Prerequisite: Graduate standing.
5099 Research	0.0- 9.0	71480	IND	6A	ARR	ARR	ARR		Elrod,C
	0.0- 9.0	71773	IND	6B	ARR	ARR	ARR		Lea,B
									Prerequisite: Permission of the instructor.
5115 Teambuilding and Leadership in Business Settings	3.0- 3.0	81084	LEC	1A	CANCELLED				
5230 Financial Statement Analysis	3.0- 3.0	81145	LEC	1A	MWF	01:00 - 01:50 pm	LIB	000G14	Chiu,Y
									Prerequisite: FINANCE 2150 or Graduate Standing.

CATALOG # AND COURSE TITLE	CREDIT	CLASS#	CMP	SEC	DAY	TIME	BLDG	ROOM	INSTRUCTOR
5360 Business Operations Prerequisites: BUS 1210 or ENG MGT 2211; at least Junior standing; and one of the following: STAT 1111, STAT 1115, STAT 1116, STAT 3111, STAT 3113, STAT 3115, or STAT 3117.	3.0- 3.0	71536	LEC	1A	MWF	02:00 - 02:50 pm	TMH	00250	Chen,L
5980 Business Models for Entrepreneurship and Innovation Prerequisite: Senior or graduate standing.	3.0- 3.0	72097	LEC	1A	MWF	03:00 - 03:50 pm	BCH	00314	Fang,H
6111 Advanced Business Negotiations Prerequisite: Graduate status.	3.0- 3.0	72592	LEC	1A	M	04:00 - 06:30 pm	EECH	00239	Bates,C
6121 Teambuilding and Leadership Prerequisite: Graduate standing.	3.0- 3.0	72613	LEC	1A	TTh	11:00 - 12:15 pm	EECH	00239	Elrod,C
6426 Integration of Business Areas Prerequisite: Graduate standing.	3.0- 3.0	71839	LEC	1A	W	07:00 - 09:30 pm	FUL	00107A	Fang,H
6622 International Marketing Prerequisite: Graduate standing.	3.0- 3.0	71639	LEC	1A	Th	04:00 - 06:30 pm	FUL	00107A	Stanley,S
6827 Managerial Finance Prerequisite: Graduate standing.	3.0- 3.0	71665	LEC	1A	T	04:00 - 06:30 pm	FUL	00107A	Zhang,H
6887 Research Methods in Business and IS&T (Co-listed with IS&T 6887)	3.0- 3.0	72727	LEC	1A	Th	07:00 - 09:30 pm	FUL	00107A	Nah,F

Ceramic Engineering

2002 Cooperative Training	1.0- 3.0	70131	IND	6A	ARR	ARR	ARR		Huebner,W
2110 Atomic Structure Of Crystalline Ceramics	3.0- 3.0	70128	LEC	1A	MWF	09:00 - 09:50 am	MCNT	00212	Huebner,W
2210 Ceramics In The Modern World	2.0- 2.0	70129	LEC	1A	F	01:00 - 02:40 pm	MCNT	00212	Hilmas,G
2240 Applied Glass Forming Prerequisites: A grade of "C" or better in either Cer Eng 2210 or Met Eng 1210. Freshman standing or sophomore standing only.	2.0- 2.0	70129	LEC	1A	F	04:00 - 04:50 pm	MCNT	00210	Reidmeyer,M
	2.0- 2.0	81091	LAB	3A	M	02:00 - 04:00 pm	Glass Shop	000G3	Reidmeyer,M
	2.0- 2.0	81093	LAB	3B	M	04:00 - 06:00 pm	Glass Shop	000G3	Reidmeyer,M
	2.0- 2.0	81094	LAB	3C	T	02:00 - 04:00 pm	Glass Shop	000G3	Reidmeyer,M
	2.0- 2.0	81095	LAB	3D	T	04:00 - 06:00 pm	Glass Shop	000G3	Reidmeyer,M
	2.0- 2.0	81096	LAB	3E	W	02:00 - 04:00 pm	Glass Shop	000G3	Reidmeyer,M
	2.0- 2.0	81097	LAB	3F	W	04:00 - 06:00 pm	Glass Shop	000G3	Reidmeyer,M
2315 Ceramic Materials Laboratory I-Characterization Of Materials Prerequisite: Sophomore standing.	2.0- 2.0	70130	LAB	3A	M	01:00 - 01:50 pm	MCNT	00210	
			LAB	3A	M	02:00 - 04:50 pm	MCNT	00253	Reidmeyer,M
	2.0- 2.0	71713	LAB	3B	T	01:00 - 01:50 pm	MCNT	00210	
			LAB	3B	T	02:00 - 04:50 pm	MCNT	00253	Reidmeyer,M
	2.0- 2.0	72754	LAB	3C	W	01:00 - 01:50 pm	MCNT	00210	Reidmeyer,M
			LAB	3C	W	02:00 - 04:50 pm	MCNT	00253	
3210 Thermal Processes In Ceramics	3.0- 3.0	70132	LEC	1A	TTh	11:00 - 12:15 pm	MCNT	00210	Dogan,F
3220 Phase Equilibria Prerequisite: "C" or better grade in Chem 1320 or Met Eng 1210.	3.0- 3.0	71893	LEC	1A	MWF	10:00 - 10:50 am	MCNT	00212	Smith,J
3230 Thermodynamics of Materials Prerequisite: "C" or better grade in either Met Eng 1210 or Chem 1320.	3.0- 3.0	81061	LEC	1A	MWF	09:00 - 09:50 am	MCNT	00210	Moats,M
3315 Ceramic Processing Lab I Prerequisite: "C" or better grade in Cer Eng 2325.	2.0- 2.0	70133	LAB	3A	T	12:30 - 01:20 pm	MCNT	00243	
			LAB	3A	T	01:30 - 04:15 pm	MCNT	00142	Dogan,F
	2.0- 2.0	70134	LAB	3B	W	01:00 - 01:50 pm	MCNT	00243	
			LAB	3B	W	02:00 - 04:50 pm	MCNT	00142	Dogan,F
	2.0- 2.0	81147	LAB	3C	T	12:30 - 01:20 pm	MCNT	00243	
			LAB	3C	T	04:30 - 07:20 pm	MCNT	00142	
	2.0- 2.0	81148	LAB	3D	W	01:00 - 01:50 pm	MCNT	00243	
			LAB	3D	W	05:00 - 07:50 pm	MCNT	00142	
4000 Special Problems Prerequisite: Consent of instructor required.	0.0- 6.0	70135	IND	6A	ARR	ARR	ARR		Brow,R
	0.0- 6.0	70136	IND	6B	ARR	ARR	ARR		Dogan,F
	0.0- 6.0	70137	IND	6C	ARR	ARR	ARR		Fahrenholtz,W
	0.0- 6.0	70138	IND	6D	ARR	ARR	ARR		Hilmas,G
	0.0- 6.0	70139	IND	6E	ARR	ARR	ARR		Huebner,W
	0.0- 6.0	70140	IND	6F	ARR	ARR	ARR		Rahaman,M
	0.0- 6.0	70141	IND	6G	ARR	ARR	ARR		Reidmeyer,M
	0.0- 6.0	71524	IND	6H	ARR	ARR	ARR		Smith,J

CATALOG # AND COURSE TITLE	CREDIT	CLASS#	CMP	SEC	DAY	TIME	BLDG	ROOM	INSTRUCTOR
4096 Materials Senior Design I Prerequisites: Met Eng 3125 and Met Eng 2125, or Cer Eng 3315 with a "C" or better. (Co-listed with Met Eng 4096)	3.0- 3.0	72207	LEC	1A	MWF	09:00 - 09:50 am	MCNT	00216	O'Keefe,M
									Communication Emphasized
4099 Undergraduate Research	0.0- 6.0	70144	IND	6A	ARR	ARR	ARR		Brow,R
	0.0- 6.0	70145	IND	6B	ARR	ARR	ARR		Day,D
	0.0- 6.0	70146	IND	6C	ARR	ARR	ARR		Dogan,F
	0.0- 6.0	70147	IND	6D	ARR	ARR	ARR		Fahrenholtz,W
	0.0- 6.0	70148	IND	6E	ARR	ARR	ARR		Hilmas,G
	0.0- 6.0	70149	IND	6F	ARR	ARR	ARR		Huebner,W
	0.0- 6.0	70150	IND	6G	ARR	ARR	ARR		Kumar,A
	0.0- 6.0	70151	IND	6H	ARR	ARR	ARR		Rahaman,M
	0.0- 6.0	73226	IND	6J	ARR	ARR	ARR		Smith,J
4250 Thermal Properties Of Ceramics Prerequisite: Senior standing.	3.0- 3.0	70142	LEC	1A	TTh	09:30 - 10:45 am	MCNT	00212	Watts,J
4310 Ceramic Processing Prerequisite: Senior standing.	3.0- 3.0	71340	LEC	1A	TTh	11:00 - 12:15 pm	EMGT	00102	Fahrenholtz,W
4410 Introduction to Integrated Computational Materials Engineering	3.0- 3.0		LEC	1A	T	08:00 - 09:15 am	MCNT	00114	Asle Zaeem,M
	3.0- 3.0	81215	LAB	3A	Th	08:00 - 09:15 am	MCNT	00114	Asle Zaeem,M
5000 Special Problems Prerequisite: Consent of instructor required.	0.0- 6.0	70152	IND	6A	ARR	ARR	ARR		Brow,R
	0.0- 6.0	70153	IND	6B	ARR	ARR	ARR		Fahrenholtz,W
	0.0- 6.0	71525	IND	6C	ARR	ARR	ARR		Reidmeyer,M
	0.0- 6.0	71930	IND	6D	ARR	ARR	ARR		Smith,J
5040 Oral Examination Student will be billed for one credit hour. Not required for students otherwise enrolled. Graduate office permission required.	0.0- 0.0	70164	IND	6A	ARR	ARR	ARR		
5099 Research Prerequisite: Consent of instructor required.	0.0-15.0	70154	IND	6A	ARR	ARR	ARR		Brow,R
	0.0-15.0	70155	IND	6B	ARR	ARR	ARR		Day,D
	0.0-15.0	70156	IND	6C	ARR	ARR	ARR		Dogan,F
	0.0-15.0	70157	IND	6D	ARR	ARR	ARR		Fahrenholtz,W
	0.0-15.0	70158	IND	6E	ARR	ARR	ARR		Hilmas,G
	0.0-15.0	70159	IND	6F	ARR	ARR	ARR		Huebner,W
	0.0-15.0	70160	IND	6G	ARR	ARR	ARR		Rahaman,M
	0.0-15.0	70161	IND	6H	ARR	ARR	ARR		Smith,J
	0.0-15.0	70162	IND	6J	ARR	ARR	ARR		Switzer,J
	0.0-15.0	72062	IND	6K	ARR	ARR	ARR		Watts,J
5230 Glass Science And Engineering Prerequisite: "C" or better grade in Cer Eng 2120.	3.0- 3.0	72132	LEC	1A	TTh	08:00 - 09:15 am	MCNT	00210	Brow,R
5810 Principles Of Engineering Materials (Co-listed with Aero Eng 3877, Chem Eng 5300, Physics 4523, Met Eng 5810)	3.0- 3.0	70143	LEC	1A	MWF	08:00 - 08:50 am	MCNT	00216	Newkirk,J
6050 Continuous Registration Doctoral students only. Graduate office permission required.	1.0- 1.0	70165	IND	6A	ARR	ARR	ARR		Hilmas,G
6085 Internship DE students only.	0.0-15.0	70163	IND	6A	ARR	ARR	ARR		Huebner,W
6099 Research	0.0-15.0	72684	IND	6A	ARR	ARR	ARR		Brow,R
	0.0-15.0	72685	IND	6B	ARR	ARR	ARR		Day,D
	0.0-15.0	72686	IND	6C	ARR	ARR	ARR		Dogan,F
	0.0-15.0	72687	IND	6D	ARR	ARR	ARR		Fahrenholtz,W
	0.0-15.0	72688	IND	6E	ARR	ARR	ARR		Hilmas,G
	0.0-15.0	72689	IND	6F	ARR	ARR	ARR		Huebner,W
	0.0-15.0	72690	IND	6G	ARR	ARR	ARR		Kumar,A
	0.0-15.0	72691	IND	6H	ARR	ARR	ARR		Rahaman,M
	0.0-15.0	72692	IND	6J	ARR	ARR	ARR		Smith,J
	0.0-15.0	72693	IND	6K	ARR	ARR	ARR		Switzer,J
	0.0-15.0	73220	IND	6L	ARR	ARR	ARR		Watts,J
6410 Advanced Integrated Computational Materials Engineering	3.0- 3.0		LEC	1A	T	08:00 - 09:15 am	MCNT	00114	Asle Zaeem,M
	3.0- 3.0	81217	LAB	3A	Th	08:00 - 09:15 am	MCNT	00114	Asle Zaeem,M

Chemical Engineering

2100	Chemical Engineering Material & Energy Balances Prerequisites: Chem 1320 or Geology 3410; Math 1215 or Math 1221; preceded or accompanied by Physics 1135.	3.0- 3.0	LEC	1A	MW	12:00 - 12:50 pm	BERTELS	00112B	
			LEC	1A	MW	12:00 - 12:50 pm	BERTELS	00112A	Barua,S
		3.0- 3.0	LEC	1B	ARR	ARR	ARR		Luks,C
		3.0- 3.0	70167	LAB	3A	T	02:00 - 02:50 pm	BERTELS	00112A
				LAB	3A	T	02:00 - 02:50 pm	BERTELS	00112B
		3.0- 3.0	72259	LAB	3B	Th	04:00 - 04:50 pm	BERTELS	00112B
				LAB	3B	Th	04:00 - 04:50 pm	BERTELS	00112A
2110	Chemical Engineering Thermodynamics I Prerequisites: Preceded by Math 2222; Preceded or accompanied by Chem Eng 2100.	3.0- 3.0	71454	LEC	1A	MWF	09:00 - 09:50 am	BERTELS	00B10
		3.0- 3.0	72845	LEC	1B	MWF	09:00 - 09:50 am	CSF	00G5D
2300	Chemical Process Materials Prerequisites: Physics 1135.	3.0- 3.0	80852	LEC	1A	MWF	10:00 - 10:50 am	MCNT	00204
3002	Cooperative Engineering Training	0.0- 6.0	70169	IND	6A	ARR	ARR		Ludlow,D
3100	Chemical Engineering Fluid Flow Prerequisites: Chem Eng 2100 and Math 3304; Chem Eng majors only.	3.0- 3.0	70170	LEC	1A	MWF	02:00 - 02:50 pm	BERTELS	00112A
				LEC	1A	MWF	02:00 - 02:50 pm	BERTELS	00112B
3110	Chemical Engineering Heat Transfer Prerequisites: Math 2222 and preceded or accompanied by Chem Eng 3100. Chem Eng majors only.	2.0- 2.0	71661	LEC	1A	TTh	12:00 - 12:50 pm	BERTELS	00B10
3120	Chemical Engineering Thermodynamics II Prerequisites: Grade of "C" or better in Chem Eng 2100 and Chem Eng 2110; Chem Eng majors only.	3.0- 3.0	70168	LEC	1A	MWF	03:00 - 03:50 pm	BERTELS	00B10
3130	Staged Mass Transfer Prerequisites: Chem Eng 3120, admitted to Chem Eng program.	3.0- 3.0	71538	LEC	1A	MWF	09:00 - 09:50 am	BERTELS	00112B
				LEC	1A	MWF	09:00 - 09:50 am	BERTELS	00112A
3140	Continuous Mass Transfer Prerequisites: Preceded or accompanied by Chem Eng 3130. Chem Eng majors only.	3.0- 3.0	71539	LEC	1A	MWF	11:00 - 11:50 am	BERTELS	00112A
				LEC	1A	MWF	11:00 - 11:50 am	BERTELS	00112B
3150	Chemical Engineering Reactor Design Prerequisites: Preceded or accompanied by either Chem Eng 3140 or Chem Eng 3200 or preceded by both Chem Eng 3111 and Chem Eng 3101. Admitted to Chem Eng program.	3.0- 3.0	71994	LEC	1A	MWF	10:00 - 10:50 am	BERTELS	00112A
				LEC	1A	MWF	10:00 - 10:50 am	BERTELS	00112B
4000	Special Problems Prerequisite: Preceded or accompanied by Chem 4 or an equivalent training program approved by S&T. Consent of instructor required.	0.0- 6.0	70175	IND	6A	ARR	ARR	ARR	Al Dahhan,M
		0.0- 6.0	70176	IND	6B	ARR	ARR	ARR	Barua,D
		0.0- 6.0	71246	IND	6C	ARR	ARR	ARR	Barua,S
		0.0- 6.0	72049	IND	6D	ARR	ARR	ARR	Forciniti,D
		0.0- 6.0	70177	IND	6E	ARR	ARR	ARR	Liang,X
		0.0- 6.0	71217	IND	6F	ARR	ARR	ARR	Liapis,A
		0.0- 6.0	70178	IND	6G	ARR	ARR	ARR	Ludlow,D
		0.0- 6.0	70179	IND	6H	ARR	ARR	ARR	Luks,C
		0.0- 6.0	70180	IND	6J	ARR	ARR	ARR	Neogi,P
		0.0- 6.0	71615	IND	6K	ARR	ARR	ARR	Park,J
		0.0- 6.0	71743	IND	6L	ARR	ARR	ARR	Rezaei,F
		0.0- 6.0	71946	IND	6M	ARR	ARR	ARR	Rownaghi,A
		0.0- 6.0	72083	IND	6N	ARR	ARR	ARR	Sitton,O
		0.0- 6.0	72481	IND	6P	ARR	ARR	ARR	Smith,J
		0.0- 6.0	72669	IND	6Q	ARR	ARR	ARR	Wang,J
		0.0- 6.0	72670	IND	6R	ARR	ARR	ARR	Westenberg,D
4096	Chemical Engineering Economics Prerequisite: Preceded or accompanied by Chem Eng 3130.	2.0- 2.0	71859	LEC	1A	TTh	12:00 - 12:50 pm	BERTELS	00112A
				LEC	1A	TTh	12:00 - 12:50 pm	BERTELS	00112B
				LEC	1A	ARR	ARR		
4097	Chemical Process Design II Prerequisites: Chem Eng 3130 and Chem Eng 3150; preceded or accompanied by either Chem Eng 4091 or both Chem Eng 4110 and Chem Eng 4096.	3.0- 3.0		LEC	1A	F	03:00 - 03:50 pm	BERTELS	00112A
				Communication Emphasized					
				LEC	1A	F	03:00 - 03:50 pm	BERTELS	00112B
				Communication Emphasized					
		3.0- 3.0	72171	LAB	3A	MW	03:00 - 05:50 pm	BERTELS	00112B
				Communication Emphasized					
				LAB	3A	MW	03:00 - 05:50 pm	BERTELS	00112A
				Communication Emphasized					
4099	Undergraduate Research	0.0- 6.0	70182	IND	6A	ARR	ARR	ARR	Al Dahhan,M

CATALOG # AND COURSE TITLE	CREDIT	CLASS#	CMP	SEC	DAY	TIME	BLDG	ROOM	INSTRUCTOR
	0.0- 6.0	71247	IND	6B	ARR	ARR	ARR		Barua,D
	0.0- 6.0	71248	IND	6C	ARR	ARR	ARR		Barua,S
	0.0- 6.0	71218	IND	6D	ARR	ARR	ARR		Forciniti,D
	0.0- 6.0	70183	IND	6E	ARR	ARR	ARR		Liang,X
	0.0- 6.0	70184	IND	6F	ARR	ARR	ARR		Liapis,A
	0.0- 6.0	71390	IND	6G	ARR	ARR	ARR		Ludlow,D
	0.0- 6.0	71391	IND	6H	ARR	ARR	ARR		Luks,C
	0.0- 6.0	71398	IND	6J	ARR	ARR	ARR		Neogi,P
	0.0- 6.0	71616	IND	6K	ARR	ARR	ARR		Park,J
	0.0- 6.0	71947	IND	6L	ARR	ARR	ARR		Rezaei,F
	0.0- 6.0	72086	IND	6M	ARR	ARR	ARR		Rownaghi,A
	0.0- 6.0	72087	IND	6N	ARR	ARR	ARR		Sitton,O
	0.0- 6.0	72482	IND	6P	ARR	ARR	ARR		Smith,J
	0.0- 6.0	72671	IND	6Q	ARR	ARR	ARR		Wang,J
	0.0- 6.0	72672	IND	6R	ARR	ARR	ARR		Westenberg,D
4100 Chemical Engineering Laboratory I Prerequisites: Chem Eng 3100 and Chem Eng 3110.	2.0- 2.0		LEC	1A	T	08:00 - 08:50 am	TMH	00251	Sitton,O
									Available lab blocks are 9:00-11:50am and 2:00-4:50pm each Tuesday and Thursday. Students will use one lab block each week but are advised to keep all block times open. See 'Notes' for Class Schedule
	2.0- 2.0	71858	LAB	3A	T	09:00 - 11:50 am	Ctl Lab	124	Sitton,O
									See 'Notes' for Class Schedule
	2.0- 2.0	73087	LAB	3B	T	02:00 - 04:50 pm	Ctl Lab	124	Sitton,O
	2.0- 2.0	73088	LAB	3C	Th	09:00 - 11:50 am	Ctl Lab	124	Sitton,O
	2.0- 2.0	73089	LAB	3D	Th	02:00 - 04:50 pm	Ctl Lab	124	Sitton,O
4110 Chemical Engineering Process Dynamics And Control Prerequisites: Preceded or accompanied by any one of Chem Eng 4100 or Chem Eng 4130 or Chem Eng 4200; or preceded by Chem Eng 3150, Chem Eng 3131 and Chem Eng 3141; or preceded by Chem Eng 3150 and preceded or accompanied by Chem Eng 5250.	3.0- 3.0	70174	LEC	1A	MWF	01:00 - 01:50 pm	BERTELS	00B10	Ryan,P
4120 Process Dynamics And Control Laboratory	1.0- 1.0	72792	LAB	3B	T	09:00 - 11:50 am	Lab	00124	Sitton,O
	1.0- 1.0	72793	LAB	3C	T	02:00 - 04:50 pm	Lab	00124	Sitton,O
	1.0- 1.0	72794	LAB	3D	Th	09:00 - 11:50 am	Lab	00124	Sitton,O
	1.0- 1.0	72795	LAB	3E	Th	02:00 - 04:50 pm	Lab	00124	Sitton,O
4130 Chemical Engineering Laboratory II Prerequisites: Chem Eng 3130 and Chem Eng 3140; or Chem Eng 3141 and Chem Eng 3131 and preceded or accompanied by Chem Eng 3150.	3.0- 3.0		LEC	1A	Th	08:00 - 08:50 am	CH	00105	Sitton,O
									Available lab blocks are 9:00-11:50am and 2:00-4:50pm each Tuesday and Thursday. Students will use two lab blocks each week but are advised to keep all block times open. Communication Emphasized See 'Notes' for Class Schedule
	3.0- 3.0	70172	LAB	3A	TTh	09:00 - 11:50 am	Lab	00124	Sitton,O
									Communication Emphasized See 'Notes' for Class Schedule
	3.0- 3.0	81063	LAB	3B	TTh	02:00 - 04:50 pm	Lab	00124	Sitton,O
									Communication Emphasized
4140 Chemical Process Safety Prerequisite: Preceded or accompanied by Chem Eng 3150.	3.0- 3.0	72846	LEC	1A	MWF	08:00 - 08:50 am	BERTELS	00B12B	Ludlow,D
4150 Chemical Process Flowsheeting Prerequisite: Math 3304 or graduate standing.	3.0- 3.0		LEC	1A	MWF	11:00 - 11:50 am	BERTELS	00B12B	Al Dahhan,M
	3.0- 3.0	72085	LAB	3A	W	02:00 - 04:00 pm	H-SS	00202	Al Dahhan,M
4200 Biochemical Separations Laboratory Prerequisite: Chem Eng 3200.	2.0- 2.0	70173	LAB	3A	Th	09:00 - 11:50 am	Lab	00116	Forciniti,D
			LAB	3A	Th	02:00 - 04:50 pm	Lab	00116	
5000 Special Problems Prerequisite: Consent of instructor required.	0.0- 6.0	70185	IND	6A	ARR	ARR	ARR		Al Dahhan,M
	0.0- 6.0	70186	IND	6B	ARR	ARR	ARR		Barua,D
	0.0- 6.0	71617	IND	6C	ARR	ARR	ARR		Barua,S
	0.0- 6.0	72048	IND	6D	ARR	ARR	ARR		Forciniti,D
	0.0- 6.0	71744	IND	6E	ARR	ARR	ARR		Liang,X
	0.0- 6.0	71745	IND	6F	ARR	ARR	ARR		Liapis,A
	0.0- 6.0	71746	IND	6G	ARR	ARR	ARR		Ludlow,D

CATALOG # AND COURSE TITLE	CREDIT	CLASS#	CMP	SEC	DAY	TIME	BLDG	ROOM	INSTRUCTOR
	0.0- 6.0	71747	IND	6H	ARR	ARR	ARR		Luks,C
	0.0- 6.0	71748	IND	6J	ARR	ARR	ARR		Neogi,P
	0.0- 6.0	71749	IND	6K	ARR	ARR	ARR		Park,J
	0.0- 6.0	71750	IND	6L	ARR	ARR	ARR		Rezaei,F
	0.0- 6.0	71948	IND	6M	ARR	ARR	ARR		Rownaghi,A
	0.0- 6.0	72088	IND	6N	ARR	ARR	ARR		Sitton,O
	0.0- 6.0	72483	IND	6P	ARR	ARR	ARR		Smith,J
	0.0- 6.0	72673	IND	6Q	ARR	ARR	ARR		Wang,J
	0.0- 6.0	72674	IND	6R	ARR	ARR	ARR		Westenberg,D
5010	0.0- 6.0	71819	RSD	2A	ARR	ARR	ARR		Al Dahhan,M
5040	0.0- 0.0	70193	IND	6A	ARR	ARR	ARR		Al Dahhan,M
	Student will be billed for one credit hour. Not required for students otherwise enrolled. Graduate office permission required.								
5100	3.0- 3.0	70181	LEC	1A	MWF	10:00 - 10:50 am	BERTELS	00B12A	Neogi,P
	Prerequisite: Chem Eng 3140 or Chem Eng 3200 or graduate standing.								
5140	3.0- 3.0	81180	LEC	1A	MWF	08:00 - 08:50 am	BERTELS	00B12B	Ludlow,D
	Prerequisite: Graduate Standing.								
5150	3.0- 3.0		LEC	1A	MWF	11:00 - 11:50 am	BERTELS	00B12B	Al Dahhan,M
	3.0- 3.0	72829	LAB	3A	ARR	ARR			Al Dahhan,M
5200	3.0- 3.0	72217	LEC	1A	TTh	12:30 - 01:45 pm	MCNT	00265	
	Prerequisite: Senior undergraduate standing. (Co-listed with Bio Sci 5210, MS&E 5310)								
5310	3.0- 3.0	72040	LEC	1A	MWF	09:00 - 09:50 am	BERTELS	00B12A	Liang,X
	Prerequisite: Chem Eng 3130 or graduate standing.								
6010	1.0- 3.0	72818	RSD	2A	ARR	ARR	ARR		Park,J
	Prerequisites: Graduate standing.								
6015	1.0- 1.0	73086	LEC	1A	W	03:00 - 03:50 pm	BERTELS	00B12B	
			LEC	1A	W	03:00 - 03:50 pm	BERTELS	00B12A	
6050	1.0- 1.0	70194	IND	6B	ARR	ARR	ARR		Al Dahhan,M
6085	0.0-15.0	70192	IND	6A	ARR	ARR	ARR		Al Dahhan,M
6099	0.0-15.0	70188	IND	6A	ARR	ARR	ARR		Al Dahhan,M
	0.0-15.0	71239	IND	6B	ARR	ARR	ARR		Barua,D
	0.0-15.0	71238	IND	6C	ARR	ARR	ARR		Barua,S
	0.0-15.0	72047	IND	6D	ARR	ARR	ARR		Forciniti,D
	0.0-15.0	70189	IND	6E	ARR	ARR	ARR		Liang,X
	0.0-15.0	71219	IND	6F	ARR	ARR	ARR		Liapis,A
	0.0-15.0	70190	IND	6G	ARR	ARR	ARR		Ludlow,D
	0.0-15.0	70191	IND	6H	ARR	ARR	ARR		Luks,C
	0.0-15.0	71392	IND	6J	ARR	ARR	ARR		Neogi,P
	0.0-15.0	71393	IND	6K	ARR	ARR	ARR		Park,J
	0.0-15.0	71394	IND	6L	ARR	ARR	ARR		Rezaei,F
	0.0-15.0	71618	IND	6M	ARR	ARR	ARR		Rownaghi,A
	0.0-15.0	72089	IND	6N	ARR	ARR	ARR		Sitton,O
	0.0-15.0	72484	IND	6P	ARR	ARR	ARR		Smith,J
	0.0-15.0	72675	IND	6Q	ARR	ARR	ARR		Wang,J
	0.0-15.0	72676	IND	6R	ARR	ARR	ARR		Westenberg,D
6100	3.0- 3.0	70187	LEC	1A	MWF	01:00 - 01:50 pm	BERTELS	00B12A	Wang,J
6300	3.0- 3.0	72218	LEC	1A	TTh	12:30 - 01:45 pm	MCNT	00265	
	Prerequisite: Graduate Standing. (Co-listed with BIO SCI 6210, MS&E 6310)								

Chemistry

1000	0.0- 6.0	70245	IND	6A	ARR	ARR	ARR		Whitefield,P
	Prerequisite: Consent of instructor required.								
1100	1.0- 1.0	70241	LEC	1A	MTWThF	05:00 - 05:50 pm	CASTL	LEACH	Whitefield,P Roark,S

See 'Notes' for Class Schedule

CATALOG # AND COURSE TITLE	CREDIT	CLASS#	CMP	SEC	DAY	TIME	BLDG	ROOM	INSTRUCTOR	
	1.0- 1.0	70242	LEC	1B	MTWThF	12:00 - 12:50 pm	SHNK	000G3	Whitefield,P	
									Sections B meets during the first two weeks of the semester only.	
									See 'Notes' for Class Schedule	
	1.0- 1.0	70243	LEC	1C	ARR	ARR	ARR		Whitefield,P	
									SECTION C WILL MEET AUG 14 - 18. MONDAY AUG 14, 12:30-3:30 P.M. TUESDAY THROUGH FRIDAY 8:30-10:30 A.M. AND 1:30-3:30 P.M., IN LEACH THEATER OF CASTLEMAN HALL. THIS IS THE WEEK PRIOR TO THE BEGINNING OF CLASSES.	
									See 'Notes' for Class Schedule	
1110	Introduction To Chemistry	1.0- 1.0	70244	LEC	1A	Th	11:00 - 11:50 am	SHNK	00305	Woelk,K
1310	General Chemistry I	4.0- 4.0	70195	LEC	1AA	MW	09:00 - 09:50 am	SHNK	000G3	Winiarz,J
	Prerequisite: Entrance requirements.									Orientation meeting will be held 9:00 am on Aug. 24th.
		4.0- 4.0	70202	LEC	1BB	MW	10:00 - 10:50 am	SHNK	000G3	Winiarz,J
										Orientation meeting will be held 10:00 am on Aug. 24th.
		4.0- 4.0	70209	LEC	1CC	MW	09:00 - 09:50 am	ARR		Winiarz,J
										Lecture mode is on-line synchronous. Orientation meeting to be held at 9:00 am on Aug. 24th.
		4.0- 4.0	70211	LEC	1DD	MW	10:00 - 10:50 am	ARR		Winiarz,J
										Lecture mode is on-line synchronous. Orientation meeting to be held at 10:00 am on Aug. 24th.
		0.0- 0.0	70196	RSD	2E1	T	08:00 - 09:50 am	IDE	00202	McDowell,T
		0.0- 0.0	70197	RSD	2E2	T	10:00 - 11:50 am	IDE	00202	McDowell,T
		0.0- 0.0	70198	RSD	2E3	T	12:00 - 01:50 pm	IDE	00202	McDowell,T
		0.0- 0.0	70199	RSD	2E4	T	02:00 - 03:50 pm	IDE	00202	McDowell,T
		0.0- 0.0	70200	RSD	2F1	T	09:00 - 10:50 am	IDE	00206	McDowell,T
		0.0- 0.0	70201	RSD	2F2	T	11:00 - 12:50 pm	IDE	00206	McDowell,T
		0.0- 0.0	71420	RSD	2F3	T	01:00 - 02:50 pm	IDE	00206	McDowell,T
		0.0- 0.0	71496	RSD	2F4	T	03:00 - 04:50 pm	IDE	00206	McDowell,T
		0.0- 0.0	70203	RSD	2G1	Th	08:00 - 09:50 am	IDE	00202	McDowell,T
		0.0- 0.0	70204	RSD	2G2	Th	10:00 - 11:50 am	IDE	00202	McDowell,T
		0.0- 0.0	70205	RSD	2G3	Th	12:00 - 01:50 pm	IDE	00202	McDowell,T
										Rao,V
		0.0- 0.0	70206	RSD	2G4	Th	02:00 - 03:50 pm	IDE	00202	McDowell,T
		0.0- 0.0	70207	RSD	2H1	Th	09:00 - 10:50 am	IDE	00206	McDowell,T
		0.0- 0.0	70208	RSD	2H2	Th	11:00 - 12:50 pm	IDE	00206	McDowell,T
		0.0- 0.0	71421	RSD	2H3	Th	01:00 - 02:50 pm	IDE	00206	McDowell,T
		0.0- 0.0	71494	RSD	2H4	Th	03:00 - 04:50 pm	IDE	00206	McDowell,T
										Umapathi,S
		0.0- 0.0	70210	RSD	2J1	ARR	ARR	ARR		McDowell,T
										Course module is on-line asynchronous.
1319	General Chemistry Laboratory	1.0- 1.0	70212	LAB	3A1	T	08:00 - 10:50 am	SHNK	00201	Mochalin,V
	Prerequisite: Preceded or accompanied by both Chem 1310 and Chem 1100.									
										Chem Majors Only
		1.0- 1.0	70213	LAB	3A2	T	08:00 - 10:50 am	SHNK	00212	Choudhury,A
										Chem Majors Only
		1.0- 1.0	70216	LAB	3B1	T	08:00 - 10:50 am	SHNK	00201	Mochalin,V
		1.0- 1.0	70217	LAB	3B2	T	08:00 - 10:50 am	SHNK	00212	Choudhury,A
		1.0- 1.0	70220	LAB	3C1	T	01:00 - 03:50 pm	SHNK	00201	
		1.0- 1.0	70221	LAB	3C2	T	01:00 - 03:50 pm	SHNK	00212	Schuman,T
		1.0- 1.0	70224	LAB	3D1	T	01:00 - 03:50 pm	SHNK	00201	Woelk,K
		1.0- 1.0	70225	LAB	3D2	T	01:00 - 03:50 pm	SHNK	00212	Schuman,T
		1.0- 1.0	70228	LAB	3E1	T	06:00 - 08:50 pm	SHNK	00201	Woelk,K
		1.0- 1.0	70229	LAB	3E2	T	06:00 - 08:50 pm	SHNK	00212	
		1.0- 1.0	71635	LAB	3F1	T	06:00 - 08:50 pm	SHNK	00201	Woelk,K
		1.0- 1.0	71636	LAB	3F2	T	06:00 - 08:50 pm	SHNK	00212	
		1.0- 1.0	70232	LAB	3G1	Th	08:00 - 10:50 am	SHNK	00201	Mochalin,V
		1.0- 1.0	70233	LAB	3G2	Th	08:00 - 10:50 am	SHNK	00212	Choudhury,A
		1.0- 1.0	70236	LAB	3H1	Th	08:00 - 10:50 am	SHNK	00201	Mochalin,V
		1.0- 1.0	70237	LAB	3H2	Th	08:00 - 10:50 am	SHNK	00212	Choudhury,A
		1.0- 1.0	72420	LAB	3J1	Th	01:00 - 03:50 pm	SHNK	00201	Mochalin,V
		1.0- 1.0	72421	LAB	3J2	Th	01:00 - 03:50 pm	SHNK	00212	Choudhury,A
		1.0- 1.0	72593	LAB	3K1	Th	01:00 - 03:50 pm	SHNK	00201	Mochalin,V
		1.0- 1.0	72594	LAB	3K2	Th	01:00 - 03:50 pm	SHNK	00212	Choudhury,A

CATALOG # AND COURSE TITLE	CREDIT	CLASS#	CMP	SEC	DAY	TIME	BLDG	ROOM	INSTRUCTOR	
	1.0- 1.0	72637	LAB	3L1	Th	06:00 - 08:50 pm	SHNK	00201	Woelk,K	
	1.0- 1.0	72638	LAB	3L2	Th	06:00 - 08:50 pm	SHNK	00212		
	1.0- 1.0	72641	LAB	3M1	Th	06:00 - 08:50 pm	SHNK	00201	Woelk,K	
	1.0- 1.0	72642	LAB	3M2	Th	06:00 - 08:50 pm	SHNK	00212		
1320 General Chemistry II Prerequisites: Chem 1310 with a grade of "C" or better and Chem 1319.	3.0- 3.0	70240	LEC	1A	TTh	02:00 - 03:15 pm	EECH	00G31	Stavropoulos,P	
2001 Special Topics	0.0- 6.0	80716	RSD	2A	ARR	ARR	ARR		Schmitzhe,E	
			PLA Practicum Prerequisite: Consent of instructor required.							
2002 Cooperative Work Training	1.0- 3.0	72057	IND	6A	ARR	ARR	ARR		Whitefield,P	
2100 Master Student	1.0- 1.0	70246	LEC	1A	W	06:00 - 07:00 pm	H-SS	000G5	Collier,H	
2210 Organic Chemistry I Prerequisites: Chem 1310, 1319, 1320; or Chem 1351.	4.0- 4.0	70247	LEC	1A	TTh	09:30 - 10:45 am	SHNK	000G3	Sotiriou-Leventis,C	
			LEC	1A	W	01:00 - 01:50 pm	SHNK	000G3	Sotiriou-Leventis,C	
2219 Organic Chemistry I Lab Prerequisites: Preceded or accompanied by Chem 2210 and Chem 1100.	1.0- 1.0	70248	LAB	3A	M	01:00 - 01:50 pm	SHNK	00305	Bone,T	
			Chem Majors Only							
			LAB	3A	M	02:00 - 03:50 pm	SHNK	00303		
			Chem Majors Only							
	1.0- 1.0	71303	LAB	3B	T	02:00 - 02:50 pm	SHNK	00305	Bone,T	
			LAB	3B	T	03:00 - 04:50 pm	SHNK	00303		
	1.0- 1.0	70249	LAB	3C	Th	02:00 - 02:50 pm	SHNK	00305	Bone,T	
			LAB	3C	Th	03:00 - 04:50 pm	SHNK	00303		
2220 Organic Chemistry II Prerequisites: Grade of "C" or better in Chem 2210.	4.0- 4.0	71533	LEC	1A	MTWF	01:00 - 01:50 pm	MCNT	00204	Reddy,V	
2229 Organic Chemistry II Lab Prerequisites: Chem 2219 or Chem 2289, preceded or accompanied by both Chem 2220 and Chem 1100.	1.0- 1.0	71996	LAB	3A	W	02:00 - 02:50 pm	SHNK	00305	Bone,T	
			Communication Emphasized							
			LAB	3A	W	03:00 - 04:50 pm	SHNK	00303		
			Communication Emphasized							
	1.0- 1.0	81131	LAB	3B	W	06:00 - 06:50 pm	SHNK	00305	Bone,T	
			Communication Emphasized							
			LAB	3B	W	07:00 - 08:50 pm	SHNK	00303		
			Communication Emphasized							
2289 Organic Chemistry Lab Prerequisites: Preceded or accompanied by both Chem 2210 and Chem 1100.	1.0- 1.0	71995	LAB	3A	CANCELLED					
	1.0- 1.0	81035	LAB	3B	F	02:00 - 02:50 pm	SHNK	00305	Bone,T	
			LAB	3B	F	03:00 - 04:50 pm	SHNK	00303	Bone,T	
2310 Inorganic Chemistry I	3.0- 3.0	72887	LEC	1A	MWF	08:00 - 08:50 am	SHNK	00305	Nath,M	
2510 Analytical Chemistry I Prerequisites: Chem 1320 and preceded or accompanied by Chem 1100.	4.0- 4.0		LEC	1A	MWF	11:00 - 11:50 am	SHNK	00140	Ma,Y	
	4.0- 4.0	71438	LAB	3A	T	02:00 - 02:50 pm	SHNK	00139	Ma,Y	
			LAB	3A	T	03:00 - 04:50 pm	SHNK	00307		
	4.0- 4.0	71550	LAB	3B	Th	02:00 - 02:50 pm	SHNK	00139	Ma,Y	
			LAB	3B	Th	03:00 - 04:50 pm	SHNK	00307		
3410 Chemical Thermodynamics I Prerequisites: Physics 1111 or Physics 1135; accompanied or preceded by either Math 1215 or Math 1221.	3.0- 3.0	70250	LEC	1A	MWF	08:00 - 08:50 am	SHNK	000G3	Winiarz,J	
3419 Physical Chemistry Laboratory I Prerequisites: Preceded or accompanied by both Chem 3410 and Chem 1100.	1.0- 1.0	72102	LAB	3A	W	01:00 - 01:50 pm	SHNK	00305	Grubbs,G	
			LAB	3A	W	02:00 - 03:50 pm	SHNK	00125		
3430 Chemical Kinetics I Prerequisite: Chem 3410.	3.0- 3.0	70251	LEC	1A	MWF	09:00 - 09:50 am	SHNK	00139	Dawes,R	
3459 Accelerated Physical Chemistry Laboratory Prerequisites: Preceded or accompanied by both Chem 3420 and Chem 1100.	2.0- 2.0	72597	LAB	3A	W	01:00 - 01:50 pm	SHNK	00305	Grubbs,G	
			LAB	3A	W	02:00 - 05:50 pm	SHNK	00307		
3510 Analytical Chemistry II Prerequisites: Chem 1100, Chem 2510, Chem 2220 and Chem 3410.	4.0- 4.0		LEC	1A	MWF	10:00 - 10:50 am	SHNK	00139	Kapila,S	
	4.0- 4.0	70253	LAB	3A	M	01:00 - 03:50 pm	SHNK	00241	Kapila,S	
4000 Special Problems Prerequisite: Preceded or accompanied by Chem 1100 or an equivalent training program approved by S&T. Consent of instructor required.	0.0- 6.0	70254	IND	6A	ARR	ARR	ARR		Ercal,N	
	0.0- 6.0	73132	IND	6B	ARR	ARR	ARR		Winiarz,J	
	0.0- 6.0	73234	IND	6C	ARR	ARR	ARR		Woelk,K	
	0.0- 6.0	81107	IND	6D	ARR	ARR	ARR		Nath,M	
4010 Undergraduate Seminar	1.0- 1.0	70255	RSD	2A	ARR	ARR	ARR		Ercal,N	
	1.0- 1.0	70256	RSD	2B	ARR	ARR	ARR		Long,G	

CATALOG # AND COURSE TITLE	CREDIT	CLASS#	CMP	SEC	DAY	TIME	BLDG	ROOM	INSTRUCTOR
	1.0- 1.0	70257	RSD	2C	ARR	ARR	ARR		Ma,Y
	1.0- 1.0	72827	RSD	2D	ARR	ARR	ARR		Schuman,T
4099 Undergraduate Research	0.0- 6.0	70261	IND	6A	ARR	ARR	ARR		Choudhury,A
Prerequisite: Must meet departmental requirements for instruction in laboratory safety. Consent of instructor required.	0.0- 6.0	71633	IND	6B	ARR	ARR	ARR		Dawes,R
	0.0- 6.0	70262	IND	6C	ARR	ARR	ARR		Ercal,N
	0.0- 6.0	70263	IND	6D	ARR	ARR	ARR		Grubbs,G
	0.0- 6.0	70264	IND	6F	ARR	ARR	ARR		Kapila,S
	0.0- 6.0	70265	IND	6G	ARR	ARR	ARR		Leventis,N
	0.0- 6.0	70266	IND	6H	ARR	ARR	ARR		Long,G
	0.0- 6.0	70267	IND	6J	ARR	ARR	ARR		Ma,Y
	0.0- 6.0	71321	IND	6K	ARR	ARR	ARR		Mochalin,V
	0.0- 6.0	71634	IND	6L	ARR	ARR	ARR		Nam,P
	0.0- 6.0	70268	IND	6M	ARR	ARR	ARR		Nath,M
	0.0- 6.0	70269	IND	6N	ARR	ARR	ARR		Reddy,V
	0.0- 6.0	70270	IND	6P	ARR	ARR	ARR		Schuman,T
	0.0- 6.0	70271	IND	6Q	ARR	ARR	ARR		Shi,H
	0.0- 6.0	70272	IND	6R	ARR	ARR	ARR		Sotiriou-Leventis,C
	0.0- 6.0	70273	IND	6T	ARR	ARR	ARR		Stavropoulos,P
	0.0- 6.0	71198	IND	6U	ARR	ARR	ARR		Switzer,J
	0.0- 6.0	71322	IND	6V	ARR	ARR	ARR		Van De Mark,M
	0.0- 6.0	70274	IND	6W	ARR	ARR	ARR		Wang,R
	0.0- 6.0	72288	IND	6X	ARR	ARR	ARR		Whitefield,P
	0.0- 6.0	72598	IND	6Y	ARR	ARR	ARR		Winiarz,J
	0.0- 6.0	72888	IND	6Z	ARR	ARR	ARR		Woelk,K
4210 Intermediate Organic Chemistry I	3.0- 3.0	70258	LEC	1A	MWF	11:00 - 11:50 am	SHNK	00139	Leventis,N
Prerequisite: Chem 2220.									
4220 Intermediate Organic Chemistry II	3.0- 3.0	72753	LEC	1A	MWF	10:00 - 10:50 am	SHNK	00305	Leventis,N
Prerequisite: Chem 2220.									
4310 Selected Topics In Inorganic Chemistry	3.0- 3.0	72889	LEC	1A	TTh	12:30 - 01:45 pm	SHNK	00305	Long,G
4610 General Biochemistry	3.0- 3.0	70259	LEC	1A	TTh	11:00 - 12:15 pm	BERTELS	00B12A	Ercal,N
Prerequisite: Chem 2220.									
4619 General Biochemistry Laboratory	2.0- 2.0	71418	LAB	3A	TTh	02:00 - 04:50 pm	SHNK	00313	Wang,R
Prerequisites: Preceded or accompanied by both Chem 4610 and Chem 1100.									
4630 Introduction to Bio-Nanotechnology	3.0- 3.0	73090	LEC	1A	TTh	12:30 - 01:45 pm	NOR	00208	Wang,R
Prerequisite: At least junior standing.									
4810 Chemistry And Inherent Properties Of Polymers	3.0- 3.0	70260	LEC	1A	MWF	12:00 - 12:50 pm	SHNK	00305	Schuman,T
Prerequisite: Chem 1320 or Met Eng 1210. (Co-listed with MS&E 4810)									
4819 Polymer Science Laboratory	3.0- 3.0		LEC	1A	CANCELLED				
Prerequisite: Chem 4810 or MS&E 4810 and preceded or accompanied by Chem 1100. (Co-listed with MS&E 4819)	3.0- 3.0	72600	LAB	3A	CANCELLED				
5099 Master Research	0.0- 6.0	72330	IND	6A	ARR	ARR	ARR		Choudhury,A
Prerequisite: Must meet departmental training requirements for laboratory safety. Consent of instructor required.	0.0- 6.0	72331	IND	6B	ARR	ARR	ARR		Dawes,R
	0.0- 6.0	72332	IND	6C	ARR	ARR	ARR		Ercal,N
	0.0- 6.0	72333	IND	6D	ARR	ARR	ARR		Grubbs,G
	0.0- 6.0	72334	IND	6E	ARR	ARR	ARR		Kapila,S
	0.0- 6.0	72335	IND	6F	ARR	ARR	ARR		Leventis,N
	0.0- 6.0	72336	IND	6G	ARR	ARR	ARR		Long,G
	0.0- 6.0	72337	IND	6H	ARR	ARR	ARR		Ma,Y
	0.0- 6.0	72338	IND	6J	ARR	ARR	ARR		Mochalin,V
	0.0- 6.0	72339	IND	6K	ARR	ARR	ARR		Nam,P
	0.0- 6.0	72340	IND	6L	ARR	ARR	ARR		Nath,M
	0.0- 6.0	72341	IND	6M	ARR	ARR	ARR		Reddy,V
	0.0- 6.0	72342	IND	6N	ARR	ARR	ARR		Schuman,T
	0.0- 6.0	72343	IND	6P	ARR	ARR	ARR		Shi,H
	0.0- 6.0	72344	IND	6Q	ARR	ARR	ARR		Sotiriou-Leventis,C
	0.0- 6.0	72345	IND	6R	ARR	ARR	ARR		Stavropoulos,P
	0.0- 6.0	72346	IND	6T	ARR	ARR	ARR		Switzer,J
	0.0- 6.0	72347	IND	6U	ARR	ARR	ARR		Van De Mark,M
	0.0- 6.0	72348	IND	6V	ARR	ARR	ARR		Wang,R
	0.0- 6.0	72349	IND	6W	ARR	ARR	ARR		Whitefield,P
	0.0- 6.0	72601	IND	6X	ARR	ARR	ARR		Winiarz,J
	0.0- 6.0	72891	IND	6Y	ARR	ARR	ARR		Woelk,K

CATALOG # AND COURSE TITLE	CREDIT	CLASS#	CMP	SEC	DAY	TIME	BLDG	ROOM	INSTRUCTOR
5100 Laboratory Safety & Hazardous Materials Prerequisites: Graduate standing.	1.0- 1.0	72790	LEC	1A	MTWThF	12:00 - 12:50 pm	SHNK	000G3	Whitefield,P
5210 Fundamentals of Organic Reactions Prerequisite: Chem 2220.	3.0- 3.0	72325	LEC	1A	MWF	11:00 - 11:50 am	SHNK	00139	Leventis,N
5220 Synthetic Organic Chemistry Prerequisite: Chem 2220.	3.0- 3.0	72757	LEC	1A	MWF	10:00 - 10:50 am	SHNK	00305	Leventis,N
5310 Introduction to Inorganic Chemistry	3.0- 3.0	72890	LEC	1A	TTh	12:30 - 01:45 pm	SHNK	00305	Long,G
5610 Biochemistry Prerequisite: Chem 2220	3.0- 3.0	72327	LEC	1A	TTh	11:00 - 12:15 pm	BERTELS	00B12A	Ercal,N
5619 Biochemistry Laboratory Prerequisites: Preceded or accompanied by Chem 5610 and Chem 1100 or an equivalent training program approved by S&T.	2.0- 2.0	72328	LAB	3A	TTh	02:00 - 04:50 pm	SHNK	00313	Wang,R
5630 Biochemical Nanotechnology Prerequisite: At least junior standing.	3.0- 3.0	73091	LEC	1A	TTh	12:30 - 01:45 pm	NOR	00208	Wang,R
5810 Introduction to Polymeric Materials Prerequisite: Chem 1320 or Met Eng 1210. (Co-listed with MS&E 5810)	3.0- 3.0	72329	LEC	1A	MWF	12:00 - 12:50 pm	SHNK	00305	Schuman,T
6000 Special Problems Prerequisite: Preceded or accompanied by Chem 4 or an equivalent training program approved by S&T. Consent of instructor required.	0.0- 6.0	70275	IND	6A	ARR	ARR	ARR		Ercal,N
6010 Seminar	1.0- 1.0	70276	RSD	2A	M	03:30 - 05:30 pm	SHNK	00126	Long,G
6040 Oral Examination Student will be billed for one credit hour. Not required for students otherwise enrolled. Graduate office permission required.	0.0- 0.0	70295	IND	6A	ARR	ARR	ARR		Whitefield,P
6050 Continuous Registration Doctoral students only. Graduate office permission required.	1.0- 1.0	70296	IND	6A	ARR	ARR	ARR		Whitefield,P
6099 Research	0.0-15.0	70277	IND	6A	ARR	ARR	ARR		Choudhury,A
	0.0-15.0	70278	IND	6B	ARR	ARR	ARR		Collier,H
	0.0-15.0	70279	IND	6C	ARR	ARR	ARR		Dawes,R
	0.0-15.0	70280	IND	6D	ARR	ARR	ARR		Ercal,N
	0.0-15.0	70281	IND	6E	ARR	ARR	ARR		Grubbs,G
	0.0-15.0	70282	IND	6F	ARR	ARR	ARR		Kapila,S
	0.0-15.0	70283	IND	6G	ARR	ARR	ARR		Leventis,N
	0.0-15.0	70284	IND	6H	ARR	ARR	ARR		Long,G
	0.0-15.0	70285	IND	6J	ARR	ARR	ARR		Ma,Y
	0.0-15.0	70286	IND	6K	ARR	ARR	ARR		Mochalin,V
	0.0-15.0	71591	IND	6L	ARR	ARR	ARR		Nam,P
	0.0-15.0	70287	IND	6M	ARR	ARR	ARR		Nath,M
	0.0-15.0	70288	IND	6N	ARR	ARR	ARR		Reddy,V
	0.0-15.0	70289	IND	6P	ARR	ARR	ARR		Schuman,T
	0.0-15.0	70290	IND	6Q	ARR	ARR	ARR		Shi,H
	0.0-15.0	70291	IND	6R	ARR	ARR	ARR		Sotiriou-Leventis,C
	0.0-15.0	70292	IND	6T	ARR	ARR	ARR		Stavropoulos,P
	0.0-15.0	70293	IND	6U	ARR	ARR	ARR		Switzer,J
	0.0-15.0	71517	IND	6V	ARR	ARR	ARR		Van De Mark,M
	0.0-15.0	70294	IND	6W	ARR	ARR	ARR		Wang,R
	0.0-15.0	71997	IND	6X	ARR	ARR	ARR		Whitefield,P
	0.0-15.0	71998	IND	6Y	ARR	ARR	ARR		Winiarz,J
	0.0-15.0	72892	IND	6Z	ARR	ARR	ARR		Woelk,K
6101 Introduction to Chemistry Research Prerequisite: Graduate Student Status.	1.0- 1.0	71557	LEC	1A	M	02:00 - 02:50 pm	SHNK	00305	Whitefield,P
6510 Separations Prerequisite: Chem 4510 or equivalent.	3.0- 3.0	81036	LEC	1A	MWF	09:00 - 09:50 am	SHNK	00305	Nam,P
Civil Engineering									
2002 Cooperative Engineering Training	1.0- 3.0	70303	IND	6A	ARR	ARR	ARR		Burken,J

CATALOG # AND COURSE TITLE	CREDIT	CLASS#	CMP	SEC	DAY	TIME	BLDG	ROOM	INSTRUCTOR	
2003 Engineering Communications and Computations Prerequisite: Sophomore standing. (Co-listed with Arch Eng 2003).	3.0- 3.0		LEC	1A	TTh	11:00 - 11:50 am	BCH	00120	Schonberg,W	
	3.0- 3.0	70302	LAB	3A	T	01:00 - 02:50 pm	BCH	00115	Schonberg,W	
			See 'Notes' for Class Schedule							
	3.0- 3.0	71226	LAB	3B	Th	01:00 - 02:50 pm	BCH	00115	Schonberg,W	
		See 'Notes' for Class Schedule								
	3.0- 3.0	71422	LAB	3C	Th	03:00 - 04:50 pm	BCH	00115	Schonberg,W	
		See 'Notes' for Class Schedule								
2200 Statics Prerequisites: Physics 1135 or Physics 1111 with a grade of "C" or better; Math 1215 or Math 1221 with a grade of "C" or better; preceded or accompanied by Math 2222. Scheduled common evening exams are on Wednesdays, Sept. 13th, Oct. 11th, Nov. 8th, and Dec. 6th from 5:00-6:00pm.	3.0- 3.0	70084	LEC	1A	TTh	12:30 - 01:45 pm	IDE	00105	Koen,M	
			See 'Notes' for Evening Exams							
			See 'Notes' for Evening Exams							
	3.0- 3.0	70085	LEC	1B	MWF	09:00 - 09:50 am	BCH	00318	Abbott,D	
			See 'Notes' for Evening Exams							
	3.0- 3.0	70086	LEC	1C	MWF	10:00 - 10:50 am	BCH	00318	Abbott,D	
			See 'Notes' for Evening Exams							
	3.0- 3.0	70087	LEC	1D	MWF	11:00 - 11:50 am	BCH	00318	Abbott,D	
			See 'Notes' for Evening Exams							
	3.0- 3.0	70088	LEC	1E	TTh	09:30 - 10:45 am	IDE	00105	Koen,M	
		See 'Notes' for Evening Exams								
3.0- 3.0	70089	LEC	1F	TTh	11:00 - 12:15 pm	IDE	00105	Koen,M		
		See 'Notes' for Evening Exams								
			LEC	1F	ARR	ARR	ARR			
		See 'Notes' for Evening Exams								
	3.0- 3.0	72791	LEC	1J	MWF	10:00 - 10:50 am	BCH	00121	Koen,M	
2210 Mechanics Of Materials Prerequisite: Civ Eng 2200 with grade of "C" or better.	3.0- 3.0	71507	LEC	1A	MWF	10:00 - 10:50 am	BCH	00120	Libre,N	
			Evening exams will be held on Sept 12, Oct 10, Nov 7 and Dec 5th from 5:00 - 6:30 pm.							
			See 'Notes' for Evening Exams							
	3.0- 3.0	70090	LEC	1B	MWF	11:00 - 11:50 am	BCH	00120	Libre,N	
			Evening exams will be held on Sept 12, Oct 10, Nov 7, and Dec 5th from 6:30 - 8:00 pm.							
			See 'Notes' for Evening Exams							
	3.0- 3.0	71501	LEC	1C	TTh	09:30 - 10:45 am	BCH	00124		
			Evening exams will be held on Sept. 15, Oct. 13, Nov. 10, Dec. 1st. from 5:00 - 6:30pm.							
	3.0- 3.0	71993	LEC	1D	TTh	11:00 - 12:15 pm	BCH	00124		
			Evening exams will be held on Sept. 15, Oct. 13, Nov. 10, Dec. 1st. from 5:00 - 6:30pm.							
3.0- 3.0	72265	LEC	1E	TTh	12:30 - 01:45 pm	BCH	00124	Jemison,S		
		Evening exams will be held on Sept. 15, Oct. 13, Nov. 10, Dec. 1st. from 5:00 - 6:30pm.								
3.0- 3.0	72210	LEC	1F	CANCELLED						
2211 Materials Testing Prerequisite: Preceded or accompanied by Civ Eng 2210.	1.0- 1.0	71307	LAB	3A	M	01:00 - 01:50 pm	IDE	000G4A	Libre,N	
			LAB	3A	M	02:00 - 02:50 pm	IDE	000G6		
	1.0- 1.0	71330	LAB	3B	M	03:00 - 03:50 pm	IDE	000G4A	Libre,N	
			LAB	3B	M	04:00 - 04:50 pm	IDE	000G6	Jemison,S	
	1.0- 1.0	70091	LAB	3C	M	05:00 - 05:50 pm	IDE	000G4A	Libre,N	
			LAB	3C	M	06:00 - 06:50 pm	IDE	000G6		
	1.0- 1.0	70094	LAB	3D	T	01:00 - 01:50 pm	IDE	000G4A	Libre,N	
			LAB	3D	T	02:00 - 02:50 pm	IDE	000G6		
	1.0- 1.0	70092	LAB	3E	T	03:00 - 03:50 pm	IDE	000G4A	Libre,N	
			LAB	3E	T	04:00 - 04:50 pm	IDE	000G6	Maye,J	
	1.0- 1.0	71737	LAB	3F	T	05:00 - 05:50 pm	IDE	000G4A	Libre,N	
			LAB	3F	T	06:00 - 06:50 pm	IDE	000G6		
	1.0- 1.0	70093	LAB	3G	W	01:00 - 01:50 pm	IDE	000G4A	Libre,N	
			LAB	3G	W	02:00 - 02:50 pm	IDE	000G6		
	1.0- 1.0	70095	LAB	3H	W	03:00 - 03:50 pm	IDE	000G4A	Libre,N	
			LAB	3H	W	04:00 - 04:50 pm	IDE	000G6		
	1.0- 1.0	70096	LAB	3J	Th	01:00 - 01:50 pm	IDE	000G4A	Libre,N	
		LAB	3J	Th	02:00 - 02:50 pm	IDE	000G6			
1.0- 1.0	71414	LAB	3K	Th	03:00 - 03:50 pm	IDE	000G4A	Libre,N		
		LAB	3K	Th	04:00 - 04:50 pm	IDE	000G6			
1.0- 1.0	81220	LAB	3L	W	05:00 - 05:50 pm	IDE	000G4A	Libre,N		
		LAB	3L	W	06:00 - 06:50 pm	IDE	000G6			

CATALOG # AND COURSE TITLE	CREDIT	CLASS#	CMP	SEC	DAY	TIME	BLDG	ROOM	INSTRUCTOR
	1.0- 1.0	81221	LAB	3M	Th	05:00 - 05:50 pm	IDE	000G4A	Libre,N
			LAB	3M	Th	06:00 - 06:50 pm	IDE	000G6	
2401 Fundamentals Of Surveying	3.0- 3.0		LEC	1A	MW	08:00 - 08:50 am	BCH	00125	Elgin,R
Prerequisite: Preceded or accompanied by Math 1214 (or 1208). Time for LEC 1A must be allowed with each lab section.	3.0- 3.0	70298	LAB	3A	M	01:00 - 03:50 pm	BCH	00101	Elgin,R
	3.0- 3.0	70299	LAB	3B	T	12:30 - 03:15 pm	BCH	00101	Elgin,R
	3.0- 3.0	70300	LAB	3C	W	01:00 - 03:50 pm	BCH	00101	Elgin,R
	3.0- 3.0	71300	LAB	3D	Th	01:00 - 03:50 pm	BCH	00316	Elgin,R
	3.0- 3.0	81177	LAB	3E	F	01:00 - 03:50 pm	BCH	00316	Elgin,R
2601 Fundamentals Of Environmental Engineering And Science	3.0- 3.0		LEC	1A	MW	08:00 - 08:50 am	BCH	00209	Fitch,M
Prerequisites: Chem 1310, Chem 1301, or Chem 1351; Math 1214, Math 1212, or Math 1208. (Co-listed with Env Eng 2601) All students in Civ Eng 2601 are scheduled for common exams 5:00-6:00pm on Wed. Sept. 30th, and Nov. 11th.	3.0- 3.0		LEC	1B	MW	11:00 - 11:50 am	BCH	00209	Wang,J
	3.0- 3.0	70329	LAB	3A1	M	01:00 - 03:50 pm	BCH	00209	Fitch,M
	3.0- 3.0	71738	LAB	3A2	T	01:00 - 03:50 pm	BCH	00209	Fitch,M
	3.0- 3.0	72029	LAB	3B1	W	01:00 - 03:50 pm	BCH	00209	Wang,J
	3.0- 3.0	72030	LAB	3B2	Th	01:00 - 03:50 pm	BCH	00209	Wang,J
3116 Construction Materials, Properties And Testing	3.0- 3.0	80913	LEC	1A	MWF	08:00 - 08:50 am	BCH	00110	Feys,D
Prerequisites: Civ Eng 2211 or Min Eng 3812; Civ Eng 3715 or both Geo Eng 1150 and Min Eng 3412.									
						Class will meet 3 lecture periods per week when labs do not meet.			
						See 'Notes'-Additional Meeting			
	3.0- 3.0	80914	LEC	1B	MWF	10:00 - 10:50 am	BCH	00110	Ma,H
						Class will meet 3 lecture periods per week when labs do not meet.			
						See 'Notes'-Additional Meeting			
	0.0- 0.0	80915	LAB	3A	T	01:00 - 04:30 pm	BCH	00110	Feys,D
	0.0- 0.0	80916	LAB	3B	Th	01:00 - 04:30 pm	BCH	00110	Ma,H
3201 Structural Analysis I	3.0- 3.0		LEC	1A		CANCELLED			
Prerequisites: Civ Eng 2200, 2210 each with a grade of "C" or better. (Co-listed with Arch Eng 3201)	3.0- 3.0		LEC	1B	ARR	ARR			Hernandez,E
	3.0- 3.0		LEC	1D	TTh	09:30 - 10:20 am	BCH	00318	Alghazali,H
	3.0- 3.0		LEC	1E	TTh	09:30 - 10:20 am	BCH	00216	Hernandez,E
	3.0- 3.0	70316	LAB	3A	ARR	ARR			Alghazali,H
	3.0- 3.0	70317	LAB	3B	ARR	ARR			Hernandez,E
	3.0- 3.0	81273	LAB	3C	Th	02:00 - 04:50 pm	IDE	00105	Hernandez,E
	3.0- 3.0	81278	LAB	3D	Th	01:00 - 03:50 pm	BCH	00216	Alghazali,H
	3.0- 3.0	81283	LAB	3E	F	01:00 - 03:50 pm	BCH	00101	Hernandez,E
3210 Structural Design in Metals	3.0- 3.0		LEC	1A	TTh	11:00 - 12:15 pm	BCH	00101	ElGawady,M
Prerequisite: Civ Eng 3201 with a grade of "C" or better. (Co-listed with Arch Eng 3210)	3.0- 3.0		LEC	1B		CANCELLED			
	3.0- 3.0	70319	LAB	3A	TTh	09:30 - 10:20 am	BCH	00101	Thomas,J
3220 Reinforced Concrete Design	3.0- 3.0		LEC	1A	MW	09:00 - 09:50 am	BCH	00315	Wu,C
Prerequisite: Civ Eng 3201 with grade of "C" or better. (Co-listed with Arch Eng 3220)	3.0- 3.0	70321	LAB	3A	Th	12:30 - 03:15 pm	BCH	00101	Wu,C
3330 Engineering Fluid Mechanics	3.0- 3.0	70323	LEC	1A	MWF	10:00 - 10:50 am	BERTELS	00B10	Mendoza,C
Prerequisites: IDE 2350 or IDE 2340, and Math 3304, each with a grade of "C" or better.									
3334 Water Resources Engineering	4.0- 4.0		LEC	1A	MWF	11:00 - 11:50 am	BCH	00315	Holmes,R
Prerequisites: Civ Eng 3330 and Stat 3113 with grades of "C" or better.	4.0- 4.0	70325	LAB	3A	F	01:00 - 03:50 pm	BCH	00315	Mohammed-Ali,W
	4.0- 4.0	71801	LAB	3B	M	01:00 - 03:50 pm	BCH	00121	Mohammed-Ali,W
3500 Transportation Engineering	3.0- 3.0		LEC	1A	TTh	09:30 - 10:20 am	BCH	00315	Sneed,M
Prerequisites: Civ Eng 2401 and Civ Eng 2003.	3.0- 3.0	70306	LAB	3A	W	01:00 - 03:00 pm	BCH	00115	Meng,W
	3.0- 3.0	71463	LAB	3B	W	03:00 - 05:00 pm	BCH	00115	Meng,W
3615 Water And Wastewater Engineering	3.0- 3.0	71452	LEC	1A	TTh	11:00 - 12:15 pm	BCH	00209	Wang,J
Prerequisites: Civ Eng 2601 and at least junior standing. (Co-listed with Env Eng 3615)									
3715 Fundamentals of Geotechnical Engineering	3.0- 3.0		LEC	1A	MWF	09:00 - 09:50 am	H-SS	000G5	Deng,W
Prerequisite: Geo Eng 1150 or Arch Eng 2103; Civ Eng 2210; and preceded or accompanied by Civ Eng 3330.	3.0- 3.0	70308	LAB	3A	M	01:00 - 02:50 pm	CE	00114	Deng,W
	3.0- 3.0	81127	LAB	3B	M	03:00 - 04:50 pm	CE	00114	Deng,W
	3.0- 3.0	70309	LAB	3C	W	01:00 - 02:50 pm	CE	00114	Deng,W
	3.0- 3.0	70310	LAB	3D	W	03:00 - 04:50 pm	CE	00114	Deng,W
	3.0- 3.0	71821	LAB	3F	T	01:00 - 02:50 pm	CE	00114	Deng,W
3842 Fundamentals of Building Systems	3.0- 3.0	70326	LEC	1A	TTh	08:00 - 09:15 am	BCH	00121	Gillis,W
Prerequisites: Physics 2135, Math 2222, and Junior Standing.									

CATALOG # AND COURSE TITLE	CREDIT	CLASS#	CMP	SEC	DAY	TIME	BLDG	ROOM	INSTRUCTOR
4010 Senior Seminar: Engineering In A Global Society Prerequisite: Senior standing. (Co-listed with Arch Eng and Env Eng 4010)	1.0- 1.0	70304	RSD	2A	W	12:00 - 12:50 pm	BCH	00120	Burken,J
4097 Senior Design Project Prerequisite: Civ Eng 4448 or Arch Eng 4448. (Co-listed with Arch Eng 4097 and Env Eng 4097)	3.0- 3.0	70330	LEC	1A	M	01:00 - 03:50 pm	BCH	00122	Showalter,W
			LEC	1A	M	01:00 - 03:50 pm	BCH	00123	
			LEC	1A	M	01:00 - 03:50 pm	BCH	00125	
4099 Undergraduate Research	0.0- 6.0	71571	IND	6A	ARR	ARR	ARR		Bate,B
	0.0- 6.0	70347	IND	6B	ARR	ARR	ARR		Baur,S
	0.0- 6.0	71271	IND	6C	ARR	ARR	ARR		Burken,J
	0.0- 6.0	70348	IND	6D	ARR	ARR	ARR		Chen,G
	0.0- 6.0	70349	IND	6E	ARR	ARR	ARR		Deng,W
	0.0- 6.0	70350	IND	6F	ARR	ARR	ARR		ElGawady,M
	0.0- 6.0	70351	IND	6G	ARR	ARR	ARR		Elgin,R
	0.0- 6.0	71572	IND	6H	ARR	ARR	ARR		Feys,D
	0.0- 6.0	70352	IND	6J	ARR	ARR	ARR		Fitch,M
	0.0- 6.0	70353	IND	6K	ARR	ARR	ARR		Khayat,K
	0.0- 6.0	70354	IND	6L	ARR	ARR	ARR		Ma,H
	0.0- 6.0	70355	IND	6M	ARR	ARR	ARR		Myers,J
	0.0- 6.0	70356	IND	6N	ARR	ARR	ARR		Oerther,D
	0.0- 6.0	70357	IND	6P	ARR	ARR	ARR		Richardson,D
	0.0- 6.0	70358	IND	6Q	ARR	ARR	ARR		Schonberg,W
	0.0- 6.0	70359	IND	6R	ARR	ARR	ARR		Showalter,W
	0.0- 6.0	70360	IND	6T	ARR	ARR	ARR		Sneed,L
	0.0- 6.0	71573	IND	6U	ARR	ARR	ARR		Wang,J
	0.0- 6.0	72554	IND	6V	ARR	ARR	ARR		Wu,C
	0.0- 6.0	72555	IND	6W	ARR	ARR	ARR		Yan,G
	0.0- 6.0	80869	IND	6X	ARR	ARR	ARR		Zhang,X
	0.0- 6.0	81152	IND	6Y	ARR	ARR	ARR		Libre,N
4448 Fundamentals Of Contracts And Construction Engineering Prerequisite: Senior Standing. (Co-listed with Arch Eng 4448)	3.0- 3.0	70327	LEC	1A	TTh	08:00 - 09:15 am	BCH	00213	Showalter,W
			UM Shared Course-Primary						
	3.0- 3.0	80951	LEC	1B	TTh	09:30 - 10:45 am	BCH	00121	Showalter,W
4729 Foundation Engineering Prerequisite: Civ Eng 3715.	3.0- 3.0	70322	LEC	1A	TTh	09:30 - 10:45 am	BCH	00317	Stephenson,R
5000 Special Problems	0.0- 6.0	71569	IND	6A	ARR	ARR	ARR		Bate,B
	0.0- 6.0	70331	IND	6B	ARR	ARR	ARR		Baur,S
	0.0- 6.0	70332	IND	6C	ARR	ARR	ARR		Burken,J
	0.0- 6.0	71270	IND	6D	ARR	ARR	ARR		Chen,G
	0.0- 6.0	70333	IND	6E	ARR	ARR	ARR		Deng,W
	0.0- 6.0	70334	IND	6F	ARR	ARR	ARR		ElGawady,M
	0.0- 6.0	70335	IND	6H	ARR	ARR	ARR		Feys,D
	0.0- 6.0	70336	IND	6J	ARR	ARR	ARR		Fitch,M
	0.0- 6.0	71570	IND	6K	ARR	ARR	ARR		Khayat,K
	0.0- 6.0	70337	IND	6L	ARR	ARR	ARR		Ma,H
	0.0- 6.0	70338	IND	6M	ARR	ARR	ARR		Mendoza,C
	0.0- 6.0	70339	IND	6N	ARR	ARR	ARR		Myers,J
	0.0- 6.0	70340	IND	6P	ARR	ARR	ARR		Oerther,D
	0.0- 6.0	70341	IND	6Q	ARR	ARR	ARR		Richardson,D
	0.0- 6.0	70342	IND	6R	ARR	ARR	ARR		Schonberg,W
	0.0- 6.0	70343	IND	6T	ARR	ARR	ARR		Showalter,W
	0.0- 6.0	70344	IND	6U	ARR	ARR	ARR		Sneed,L
	0.0- 6.0	70345	IND	6V	ARR	ARR	ARR		Wang,J
	0.0- 6.0	72556	IND	6W	ARR	ARR	ARR		Wu,C
	0.0- 6.0	72557	IND	6X	ARR	ARR	ARR		Yan,G
	0.0- 6.0	72558	IND	6Y	ARR	ARR	ARR		Zhang,X
	0.0- 6.0	80870	IND	6Z	ARR	ARR	ARR		
5001 Special Topics	3.0- 3.0	80912	LEC	1A	TTh	11:00 - 12:15 pm	BCH	00314	
			Transportation Safety						
			UM Shared Course-Secondary						
	3.0- 3.0	81174	LEC	1B	MF	12:00 - 12:50 pm	BCH	00110	Yan,G
			Wind Engineering						
			LEC	1B	W	04:00 - 04:50 pm	BCH	00121	
			Wind Engineering						

CATALOG # AND COURSE TITLE	CREDIT	CLASS#	CMP	SEC	DAY	TIME	BLDG	ROOM	INSTRUCTOR
5112 Bituminous Materials Prerequisite: Preceded or accompanied by Civ Eng 3116.	3.0- 3.0		LEC	1A	MW	08:00 - 08:50 am	BCH	00316	
	3.0- 3.0	81109	LAB	3A	W	03:00 - 05:50 pm	BCH	00110	
5117 Asphalt Pavement Design Prerequisite: Civ Eng 3116 with a grade of "C" or better.	3.0- 3.0	80952	LEC	1A	TTh	09:30 - 10:45 am	BCH	00110	Richardson,D
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	72984	LEC	1A	MWF	11:00 - 11:50 am	FUL	00107A	Thomas,J
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	80953	LEC	1A	TTh	03:30 - 04:45 pm	BERTELS	00B12B	Chen,G
5337 River Mechanics And Sediment Transport Prerequisite: Civ Eng 3330 with a grade of "C" or better.	3.0- 3.0	80955	LEC	1A	MWF	08:00 - 08:50 am	BCH	00317	Mendoza,C
5445 Construction Methods Prerequisite: Civ Eng 4448 with a grade of "C" or better. (Co-listed with Arch Eng 5445)	3.0- 3.0	70346	LEC	1A	T	04:00 - 06:30 pm	BCH	00213	Augenstein,A
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	72012	LEC	1A	MWF	10:00 - 10:50 am	BERTELS	00B12B	Scott-Showalter,P
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	73041	LEC	1A	MWF	09:00 - 09:50 am	BERTELS	00B12B	Scott-Showalter,P
5513 Traffic Engineering Prerequisite: Civ Eng 3500 with a grade of "C" or better.	3.0- 3.0	72106	LEC	1A	Th	07:00 - 09:30 pm	BCH	00213	Trueblood,M
5515 Advanced Traffic Signal Operations Prerequisite: CIV ENG 5513.	3.0- 3.0	80872	LEC	1A	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	72989	LEC	1A	TTh	12:30 - 01:45 pm	FUL	00107A	Oerther,D
			LEC	1A	ARR	ARR	ARR		
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	71988	LEC	1A	TTh	09:30 - 10:45 am	BCH	00213	Fitch,M
5715 Intermediate Soil Mechanics Prerequisites: Civ Eng 3715 with grade of "C" or better.	3.0- 3.0	72140	LEC	1A	Th	04:00 - 06:30 pm	BCH	00213	McLain,K
5716 Geotechnical Earthquake Engineering Prerequisites: Civ Eng 3715 with a grade of "C" or better.	3.0- 3.0	72988	LEC	1A	MWF	11:00 - 11:50 am	CS	00209	Kottke,A
5750 Transportation Applications of Geophysics Prerequisite: Junior level standing or higher. (Co-listed with Geo Eng 5761 and Geophys 5761)	3.0- 3.0		LEC	1A	MW	12:00 - 12:50 pm	CS	00209	Anderson,N
	3.0- 3.0	71668	LAB	3A	M	02:00 - 02:50 pm	CS	00209	Anderson,N
6000 Special Problems	0.0- 6.0	71313	IND	6B	ARR	ARR	ARR		Baur,S
	0.0- 6.0	70361	IND	6C	ARR	ARR	ARR		Burken,J
	0.0- 6.0	70362	IND	6D	ARR	ARR	ARR		Chen,G
	0.0- 6.0	71272	IND	6E	ARR	ARR	ARR		Deng,W
	0.0- 6.0	70363	IND	6F	ARR	ARR	ARR		ElGawady,M
	0.0- 6.0	70364	IND	6G	ARR	ARR	ARR		Feys,D
	0.0- 6.0	70365	IND	6H	ARR	ARR	ARR		Fitch,M

CATALOG # AND COURSE TITLE	CREDIT	CLASS#	CMP	SEC	DAY	TIME	BLDG	ROOM	INSTRUCTOR
	0.0- 6.0	70366	IND	6J	ARR	ARR	ARR		Khayat,K
	0.0- 6.0	70367	IND	6K	ARR	ARR	ARR		Mendoza,C
	0.0- 6.0	71575	IND	6L	ARR	ARR	ARR		Myers,J
	0.0- 6.0	70368	IND	6M	ARR	ARR	ARR		Oerther,D
	0.0- 6.0	70369	IND	6N	ARR	ARR	ARR		Schonberg,W
	0.0- 6.0	70370	IND	6P	ARR	ARR	ARR		Showalter,W
	0.0- 6.0	70371	IND	6Q	ARR	ARR	ARR		Sneed,L
	0.0- 6.0	70372	IND	6R	ARR	ARR	ARR		Wang,J
	0.0- 6.0	70373	IND	6T	ARR	ARR	ARR		Yan,G
	0.0- 6.0	70374	IND	6U	ARR	ARR	ARR		
	0.0- 6.0	70375	IND	6V	ARR	ARR	ARR		
	0.0- 6.0	72559	IND	6W	ARR	ARR	ARR		
	0.0- 6.0	72560	IND	6X	ARR	ARR	ARR		Zhang,X
	0.0- 6.0	73243	IND	6Y	ARR	ARR	ARR		Ma,H
6001 Special Topics	3.0- 3.0	81176	LEC	1A	M	07:00 - 09:30 pm	BCH	00110	Zhang,X
Prerequisites: Civ Eng 3715 or other introductory courses in soil mechanics. Civ Eng 6715 is not required but strongly recommended.									
									Soil Mechanics for Unsat Oils
6040 Oral Examination	0.0- 0.0	70391	IND	6A	ARR	ARR	ARR		Burken,J
Student will be billed for one credit hour. Not required for students otherwise enrolled. Graduate office permission required.									
6050 Continuous Registration	1.0- 1.0	70392	IND	6A	ARR	ARR	ARR		Burken,J
Doctoral students only. Graduate office permission required.									
6099 Research	0.0-15.0	70376	IND	6A	ARR	ARR	ARR		Bate,B
Consent of instructor required.									
	0.0-15.0	71273	IND	6B	ARR	ARR	ARR		Baur,S
	0.0-15.0	70377	IND	6C	ARR	ARR	ARR		Burken,J
	0.0-15.0	71274	IND	6D	ARR	ARR	ARR		Chen,G
	0.0-15.0	70378	IND	6E	ARR	ARR	ARR		Deng,W
	0.0-15.0	70379	IND	6F	ARR	ARR	ARR		ElGawady,M
	0.0-15.0	70380	IND	6G	ARR	ARR	ARR		Feys,D
	0.0-15.0	70381	IND	6H	ARR	ARR	ARR		Fitch,M
	0.0-15.0	71297	IND	6J	ARR	ARR	ARR		Khayat,K
	0.0-15.0	71576	IND	6K	ARR	ARR	ARR		Ma,H
	0.0-15.0	70382	IND	6L	ARR	ARR	ARR		Mendoza,C
	0.0-15.0	70383	IND	6M	ARR	ARR	ARR		Myers,J
	0.0-15.0	70384	IND	6N	ARR	ARR	ARR		Oerther,D
	0.0-15.0	70385	IND	6P	ARR	ARR	ARR		Samaranayake,V
	0.0-15.0	70386	IND	6Q	ARR	ARR	ARR		Schonberg,W
	0.0-15.0	70387	IND	6R	ARR	ARR	ARR		Showalter,W
	0.0-15.0	70388	IND	6T	ARR	ARR	ARR		Sneed,L
	0.0-15.0	70389	IND	6U	ARR	ARR	ARR		Wang,J
	0.0-15.0	70390	IND	6V	ARR	ARR	ARR		Wu,C
	0.0-15.0	72561	IND	6W	ARR	ARR	ARR		Yan,G
	0.0-15.0	72562	IND	6X	ARR	ARR	ARR		Zhang,X
	0.0-15.0	73244	IND	6Y	ARR	ARR	ARR		Zhang,X
6213 Advanced Design in Steel and Lightweight Structures	3.0- 3.0	80957	LEC	1A	TTh	08:00 - 09:15 am	FUL	00107A	LaBoube,R
Prerequisite: Preceded or accompanied by Civ Eng 5207.									
6221 Advanced Behavior Of Reinforced And Prestressed Concrete	3.0- 3.0	80956	LEC	1A	TTh	11:00 - 12:15 pm	BCH	00215	Sneed,L
Prerequisite: Civ Eng 3220 with grade of "C" or better.									
6340 Urban Hydrology	3.0- 3.0	72266	LEC	1A	TTh	12:30 - 01:45 pm	LIB	000G14	Wilson,L
Prerequisite: Civ Eng 3333.									
6442 Construction Administration, Planning and Control	3.0- 3.0	72103	LEC	1A	M	04:00 - 06:30 pm	BERTELS	00B12B	Berry,R
Prerequisite: Preceded or accompanied by Civ Eng 5445.									

CATALOG # AND COURSE TITLE	CREDIT	CLASS#	CMP	SEC	DAY	TIME	BLDG	ROOM	INSTRUCTOR
6600 Chemical Principles In Environmental Engineering Prerequisite: Graduate Standing. (Co-listed with Env Eng 6600)	3.0- 3.0	71885	LEC	1A	MWF	11:00 - 11:50 am	BCH	00316	
6601 Biological Principles In Environmental Engineering Systems (Co-listed with Env En 6601)	3.0- 3.0		LEC	1A	TTh	11:00 - 12:15 pm	LIB	000G14	Oerther,D
			LEC	1A	ARR	ARR	ARR		
	3.0- 3.0	72564	LAB	3A	ARR	ARR	ARR		Oerther,D
6712 Computer Modeling in Geotechnical Engineering Prerequisite: Civ Eng 3715 and graduate standing.	3.0- 3.0	72992	LEC	1A	M	04:00 - 06:30 pm	CS	00209	Deng,W

Computer Engineering

2210 Introduction to Digital Logic Prerequisite: Sophomore standing. Comp Eng 2211 is also a co-requisite for Comp Eng and Elec Eng majors.	3.0- 3.0	70458	LEC	1A	MWF	11:00 - 11:50 am	EECH	00104	Woodley,R
	3.0- 3.0	70459	LEC	1B	TTh	09:30 - 10:45 am	EECH	00101	Stanley,R
	3.0- 3.0	70460	LEC	1C	TTh	12:30 - 01:45 pm	MCNT	00216	Stanley,R
	3.0- 3.0	72455	LEC	1D	MWF	02:00 - 02:50 pm	EECH	00102	Al-Jabery,K
	3.0- 3.0	73125	LEC	1E	TTh	08:00 - 09:15 am	EECH	00101	Woodley,R
2211 Computer Engineering Laboratory Preceded or accompanied by Comp Eng 2210.	1.0- 1.0	70461	LAB	3A	M	03:00 - 04:50 pm	EECH	00209A	Sornapudi,S
			Communication Emphasized						
	1.0- 1.0	70462	LAB	3B	T	02:30 - 04:20 pm	EECH	00209A	Verma,D
			Communication Emphasized						
	1.0- 1.0	71685	LAB	3C	T	06:10 - 08:00 pm	EECH	00209A	Metku,P
			Communication Emphasized						
	1.0- 1.0	71231	LAB	3D	W	01:00 - 02:50 pm	EECH	00209A	Metku,P
			Communication Emphasized						
	1.0- 1.0	70464	LAB	3E	W	03:00 - 04:50 pm	EECH	00209A	Metku,P
			Communication Emphasized						
	1.0- 1.0	70465	LAB	3F	W	06:10 - 08:00 pm	EECH	00209A	Verma,D
			Communication Emphasized						
	1.0- 1.0	70466	LAB	3G	Th	02:30 - 04:20 pm	EECH	00209A	Verma,D
			Communication Emphasized						
	1.0- 1.0	71513	LAB	3H	Th	06:10 - 08:00 pm	EECH	00209A	Metku,P
			Communication Emphasized						
	1.0- 1.0	71457	LAB	3J	F	03:00 - 04:50 pm	EECH	00209A	Sornapudi,S
			Communication Emphasized						
	1.0- 1.0	70463	LAB	3K	F	01:00 - 02:50 pm	EECH	00209A	Sornapudi,S
			Communication Emphasized						
	1.0- 1.0	72418	LAB	3L	F	06:10 - 08:00 pm	EECH	00209A	Sornapudi,S
			Communication Emphasized						
	1.0- 1.0	81276	LAB	3M	M	08:10 - 10:00 pm	EECH	00209A	Stanley,R
			Communication Emphasized						
3002 Cooperative Engineering Training Prerequisite: Consent of the Electrical and Computer Engineering Department required.	1.0- 1.0	70467	IND	6A	ARR	ARR	ARR		Stanley,R
3110 Computer Organization and Design Prerequisites: COMP ENG 2210; preceded or accompanied by COMP ENG 3150.	3.0- 3.0	71600	LEC	1A	TTh	02:00 - 03:15 pm	BCH	00124	Choi,M
3150 Introduction to Microcontrollers and Embedded System Design Prerequisites: COMP ENG 2210 and COMP SCI 1570 (or programming equivalent) each with grade of "C" or better.	3.0- 3.0	70468	LEC	1A	MWF	02:00 - 02:50 pm	SHNK	00126	Kaur,A
	3.0- 3.0	71191	LEC	1B	TTh	09:30 - 10:45 am	EECH	00G31	Hurson,A
3151 Digital Engineering Lab II Prerequisites: Comp Eng 2210, Comp Eng 2211, and Comp Sci 1570 (or programming equivalent) each with grade of "C" or better. Preceded or accompanied by Comp Eng 3150.	1.0- 1.0	70469	LAB	3A	M	08:00 - 09:00 am	EE	00106	Guo,P
			Communication Emphasized						
			LAB	3A	M	09:00 - 09:50 am	EECH	00209A	
			Communication Emphasized						
	1.0- 1.0	71971	LAB	3B	M	10:00 - 11:00 am	EE	00106	Almubarak,H
			Communication Emphasized						
			LAB	3B	M	11:00 - 11:50 am	EECH	00209A	
			Communication Emphasized						
	1.0- 1.0	70470	LAB	3C	M	06:10 - 07:10 pm	EE	00106	Almubarak,H
			Communication Emphasized						
			LAB	3C	M	07:10 - 08:00 pm	EECH	00209A	
			Communication Emphasized						

CATALOG # AND COURSE TITLE	CREDIT	CLASS#	CMP	SEC	DAY	TIME	BLDG	ROOM	INSTRUCTOR
	1.0- 1.0	71599	LAB	3E	W	10:00 - 11:00 am	EE	00106	Almubarak,H
			Communication Emphasized						
			LAB	3E	W	11:00 - 11:50 am	EECH	00209A	
			Communication Emphasized						
	1.0- 1.0	72772	LAB	3F	W	08:00 - 08:50 am	EECH	00107	Almubarak,H
			Communication Emphasized						
			LAB	3F	W	09:00 - 09:50 am	EECH	00209A	
			Communication Emphasized						
	1.0- 1.0	81200	LAB	3G	M	05:00 - 05:50 pm	EE	00106	Guo,P
			Communication Emphasized						
			LAB	3G	M	06:00 - 06:50 pm	EECH	00209A	
			Communication Emphasized						
4000	Special Problems	1.0- 6.0	70471	IND	6A	ARR	ARR	ARR	Sedighsarvestani,S
	Consent of instructor required.								
		1.0- 6.0	71476	IND	6B	ARR	ARR	ARR	Stanley,R
		1.0- 6.0	72495	IND	6C	ARR	ARR	ARR	Zawodniok,M
4096	Computer Engineering Senior Project I	1.0- 1.0	RSD	2A	M	12:00 - 12:50 pm	EECH	00G31	Drewniak,J
	Prerequisites: Comp Eng 2210, either Econ 1100 or Econ 1200, either English 3560 or English 1160, Comp Eng 3150, Comp Eng 3151, Comp Eng 3110, and Elec Eng 2200.								
		1.0- 1.0	RSD	2B	M	12:00 - 12:50 pm	EECH	00G31	Drewniak,J
		1.0- 1.0	70476	LAB	3A	M	03:00 - 03:50 pm	TMH	Donnell,K
		1.0- 1.0	70478	LAB	3B	W	03:00 - 03:50 pm	EECH	Ferguson,I
4097	Computer Engineering Senior Project II	3.0- 3.0	70479	LAB	3A	MW	03:00 - 04:50 pm	EECH	Pommerenke,D
	Prerequisites: Comp Eng 4096 with a grade of "C" or better, Stat 3117 or Stat 3115 or Stat 5643, and Sp&M S 1185.								
		3.0- 3.0	70480	LAB	3B	TTh	03:30 - 05:20 pm	EECH	Zawodniok,M
4099	Undergraduate Research	1.0- 6.0	71316	IND	6A	ARR	ARR	ARR	Beetner,D
		1.0- 6.0	70473	IND	6B	ARR	ARR	ARR	Sedighsarvestani,S
		1.0- 6.0	70474	IND	6C	ARR	ARR	ARR	Wunsch,D
5001	Special Topics	3.0- 3.0	81196	LEC	1A	Th	04:00 - 06:30 pm	EECH	Ferguson,I
	Design Innovation Engrs Prerequisite: Junior or above standing. (Co-listed with Elec Eng 5001)								
5099	Special Research And Thesis	1.0-15.0	70482	IND	6A	ARR	ARR	ARR	Acar,L
	Prerequisite: Consent of the instructor required.								
		1.0-15.0	70398	IND	6B	ARR	ARR	ARR	Beetner,D
		1.0-15.0	71243	IND	6C	ARR	ARR	ARR	Cetinkaya,E
		1.0-15.0	70483	IND	6D	ARR	ARR	ARR	Choi,M
		1.0-15.0	70484	IND	6E	ARR	ARR	ARR	Drewniak,J
		1.0-15.0	70485	IND	6F	ARR	ARR	ARR	Erickson,K
		1.0-15.0	71222	IND	6G	ARR	ARR	ARR	Fan,J
		1.0-15.0	71315	IND	6H	ARR	ARR	ARR	Khilkevich,V
		1.0-15.0	70486	IND	6J	ARR	ARR	ARR	McMillin,B
		1.0-15.0	70487	IND	6K	ARR	ARR	ARR	
		1.0-15.0	70488	IND	6L	ARR	ARR	ARR	Pommerenke,D
		1.0-15.0	70489	IND	6M	ARR	ARR	ARR	Sarangapani,J
		1.0-15.0	70490	IND	6N	ARR	ARR	ARR	Sedighsarvestani,S
		1.0-15.0	70491	IND	6P	ARR	ARR	ARR	Stanley,R
		1.0-15.0	71918	IND	6Q	ARR	ARR	ARR	Watkins,S
		1.0-15.0	71931	IND	6R	ARR	ARR	ARR	Wu,C
		1.0-15.0	71944	IND	6T	ARR	ARR	ARR	Wunsch,D
		1.0-15.0	72128	IND	6U	ARR	ARR	ARR	Zawodniok,M
		1.0-15.0	72460	IND	6V	ARR	ARR	ARR	
		1.0-15.0	72462	IND	6W	ARR	ARR	ARR	
		1.0-15.0	81269	IND	6X	ARR	ARR	ARR	Modares,H
5120	Digital Computer Design	3.0- 3.0	72077	LEC	1A	T	07:00 - 09:30 pm	TMH	Hanna,W
	Prerequisites: COMP ENG 3150 and COMP ENG 3151.								
5160	Embedded Processor System Design	3.0- 3.0	72284	LEC	1A	MWF	11:00 - 11:50 am	CS	Younger,R
	Prerequisites: COMP ENG 3150 or equivalent or 80x51 processor experience.								
5210	Introduction To VLSI Design	3.0- 3.0	73094	LEC	1A	TTh	12:30 - 01:45 pm	EECH	Hwang,C
	Prerequisites: Elec Eng 2200 and Comp Eng 2210.								

CATALOG # AND COURSE TITLE	CREDIT	CLASS#	CMP	SEC	DAY	TIME	BLDG	ROOM	INSTRUCTOR
5230 Optical Computing Prerequisite: Comp Eng 2210 or equivalent. (Co-listed with Elec Eng 5250)	3.0- 3.0	71458	LEC	1A	TTh	03:30 - 04:45 pm	EECH	00103	Wu,C
5310 Computational Intelligence Prerequisite: Graduate Standing. (Co-listed with Elec Eng 5310 and Sys Eng 5211)	3.0- 3.0	71368	LEC	1A	W	04:00 - 06:30 pm	TMH	00260	Corns,S
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	72194	LEC	1A	MWF	01:00 - 01:50 pm	CS	00209	Sedighsarvestani,S
5420 Introduction to Network Security Prerequisite: Comp Eng 5410 or Comp Sci 5600.	3.0- 3.0	72219	LEC	1A	MWF	10:00 - 10:50 am	TMH	00260	Cetinkaya,E
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 3.0- 3.0	 80988	LEC LAB	1A 3A	MW F	08:00 - 08:50 am 08:00 - 08:50 am	CS CS	00209 00209	Zawodniok,M Zawodniok,M
5450 Digital Image Processing Prerequisites: At least one of the following: Elec Eng 3400, Elec Eng 3410, Elec Eng 3420, or prior exposure to Fourier Transforms and consent of the instructor. (Co-listed with Elec Eng 5450)	3.0- 3.0	71760	LEC	1A	CANCELLED				
5510 Fault-Tolerant Digital Systems Prerequisites: Comp Eng 2210 and Comp Eng 2211.	3.0- 3.0	70472	LEC	1A	TTh	08:00 - 09:15 am	EECH	00112	Choi,M
5610 Real-Time Digital Signal Processing Prerequisite: Elec Eng 3400 or Elec Eng 3410.	3.0- 3.0 3.0- 3.0	 71973	LEC LAB	1A 3A	CANCELLED				
6000 Special Problems Prerequisite: Consent of instructor.	1.0- 6.0 1.0- 6.0	70481 71585	IND IND	6A 6B	ARR ARR	ARR ARR	ARR ARR		Choi,M
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 Elec Eng 6001 and Sys Eng 6001)	3.0- 3.0	81184	LEC	1A	W	07:00 - 09:30 pm	CS	00209	Wunsch,D
	3.0- 3.0	81199	LEC	1B	TTh	03:30 - 04:45 pm	HYPOINT	00205	Fan,J
6040 Oral Examination	0.0- 0.0	72373	IND	6A	ARR	ARR	ARR		Beetner,D
6050 Continuous Registration	1.0- 1.0	70492	IND	6A	ARR	ARR	ARR		Beetner,D
6099 Special Research and Thesis Prerequisite: Consent of the instructor required.	1.0-15.0 1.0-15.0 1.0-15.0 1.0-15.0 1.0-15.0 1.0-15.0 1.0-15.0 1.0-15.0 1.0-15.0 1.0-15.0 1.0-15.0 1.0-15.0 1.0-15.0 1.0-15.0 1.0-15.0 1.0-15.0 1.0-15.0 1.0-15.0 1.0-15.0 1.0-15.0 1.0-15.0	72355 72356 72357 72358 72359 72360 72361 72362 72363 72364 72365 72366 72367 72368 72369 72370 72371 72372 81270	IND IND IND IND IND IND IND IND IND IND IND IND IND IND IND IND IND IND IND IND IND IND	6A 6B 6C 6D 6E 6F 6G 6H 6J 6K 6L 6M 6N 6P 6Q 6R 6T 6U 6V	ARR ARR ARR ARR ARR ARR ARR ARR ARR ARR ARR ARR ARR ARR ARR ARR ARR ARR ARR ARR ARR ARR	ARR ARR ARR ARR ARR ARR ARR ARR ARR ARR ARR ARR ARR ARR ARR ARR ARR ARR ARR ARR ARR ARR	ARR ARR ARR ARR ARR ARR ARR ARR ARR ARR ARR ARR ARR ARR ARR ARR ARR ARR ARR ARR ARR ARR		Acar,L Beetner,D Cetinkaya,E Choi,M Drewniak,J Erickson,K Fan,J McMillin,B Sarangapani,J Sedighsarvestani,S Stanley,R Watkins,S Wu,C Wunsch,D Zawodniok,M Modares,H

CATALOG # AND COURSE TITLE	CREDIT	CLASS#	CMP	SEC	DAY	TIME	BLDG	ROOM	INSTRUCTOR
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	81129	LEC	1A	M	04:00 - 06:30 pm	TMH	00260	Gosavi,A

Computer Science

1001 Special Topics	1.0- 1.0	80810	LAB	3A		CANCELLED			
1200 Discrete Mathematics For Computer Science Prerequisite: A "C" or better grade in Comp Sci 1570.	3.0- 3.0	70416	LEC	1A	TTh	05:00 - 06:15 pm	CS	00202	Gosnell,M
	3.0- 3.0	71938	LEC	1B	TTh	11:00 - 12:15 pm	CS	00207	Yin,Z
	3.0- 3.0	72459	LEC	1C	TTh	02:00 - 03:15 pm	CS	00202	Gosnell,M
1570 Introduction To Programming Prerequisite: Accompanied by Comp Sci 1580.	3.0- 3.0	70404	LEC	1A	MWF	08:00 - 08:50 am	CS	00216	Price,C
						Computer Science Majors Only			
	3.0- 3.0	70405	LEC	1B	MWF	09:00 - 09:50 am	CS	00202	Price,C
						Computer Science Majors Only			
	3.0- 3.0	70406	LEC	1C	MWF	10:00 - 10:50 am	CS	00203	
						Computer Science Majors Only			
	3.0- 3.0	71674	LEC	1D	MWF	11:00 - 11:50 am	CS	00216	Taylor,P
						Computer Science Majors Only			
	3.0- 3.0	70407	LEC	1E	MWF	12:00 - 12:50 pm	CS	00202	
	3.0- 3.0	72154	LEC	1F	MWF	01:00 - 01:50 pm	CS	00216	
	3.0- 3.0	72500	LEC	1G	MWF	02:00 - 02:50 pm	CS	00203	
	3.0- 3.0	72501	LEC	1H	MWF	03:00 - 03:50 pm	CS	00203	
	3.0- 3.0	72758	LEC	1J	MWF	12:00 - 12:50 pm	CS	00203	
	3.0- 3.0	80920	LEC	1K		CANCELLED			
1575 Data Structures Prerequisite: Grade of "C" or better in Comp Sci 1570.	3.0- 3.0	80933	LEC	1A	MWF	10:00 - 10:50 am	MCNT	00216	Morales,A
	3.0- 3.0	80932	LEC	1B	MWF	01:00 - 01:50 pm	CS	00207	Taylor,P
1580 Introduction To Programming Laboratory Prerequisite: Accompanied by Comp Sci 1570.	1.0- 1.0	70408	LAB	3A	T	10:00 - 11:50 am	CH	00105	
	1.0- 1.0	70409	LAB	3B	T	12:00 - 01:50 pm	TMH	00251	
	1.0- 1.0	70410	LAB	3C	T	02:00 - 03:50 pm	TMH	00251	
	1.0- 1.0	72502	LAB	3D	T	06:00 - 07:50 pm	TMH	00251	
	1.0- 1.0	70411	LAB	3E	W	02:00 - 03:50 pm	TMH	00251	
	1.0- 1.0	72155	LAB	3F	W	04:00 - 05:50 pm	TMH	00251	
	1.0- 1.0	72503	LAB	3G	W	06:00 - 07:50 pm	TMH	00251	
	1.0- 1.0	80921	LAB	3H		CANCELLED			
1585 Data Structures Laboratory Prerequisite: Preceded or accompanied by Comp Sci 1575.	1.0- 1.0	80934	LAB	3A	M	02:00 - 03:50 pm	CH	00105	
	1.0- 1.0	80935	LAB	3B	M	04:00 - 05:50 pm	CH	00105	
	1.0- 1.0	80936	LAB	3C		CANCELLED			
1971 Introduction To Programming Methodology	2.0- 2.0	70412	LEC	1A	MW	02:00 - 02:50 pm	MCNT	00204	
1972 Introduction To MATLAB Programming Prerequisite: Accompanied by Comp Sci 1982 and a "C" or better grade in either Math 1208 or Math 1214.	2.0- 2.0	72292	LEC	1A	MW	12:00 - 12:50 pm	H-SS	000G5	Zhu,P
	2.0- 2.0	72504	LEC	1B	MW	01:00 - 01:50 pm	BERTELS	00112B	
			LEC	1B	MW	01:00 - 01:50 pm	BERTELS	00112A	Zhu,P
1981 Programming Methodology Laboratory Prerequisite: Accompanied by Computer Science 1971.	1.0- 1.0	70413	LAB	3A	Th	02:00 - 03:50 pm	TMH	00251	
	1.0- 1.0	71308	LAB	3B	Th	04:00 - 05:50 pm	TMH	00251	
1982 MATLAB Programming Laboratory Prerequisite: Accompanied by Comp Sci 1972.	1.0- 1.0	72293	LAB	3A	T	10:00 - 11:50 am	TMH	00251	Zhu,P
	1.0- 1.0	72505	LAB	3B	T	12:00 - 01:50 pm	CH	00105	Zhu,P
	1.0- 1.0	80922	LAB	3C	F	02:00 - 03:50 pm	TMH	00251	Zhu,P
2001 Special Topics	3.0- 3.0	80846	LEC	1B	TTh	12:30 - 01:45 pm	CS	00207	Wisely,M
						Contemporary Programming			
						Prerequisites: A grade of "B" or better in both Comp Sci 1570 and Comp Sci 1580.			
2002 Cooperative Work Training	1.0- 5.0	70417	IND	6A	ARR	ARR	ARR		Markowsky,G
2200 Theory of Computer Science Prerequisite: A "C" or better grade in both Comp Sci 1200 and Comp Sci 1510.	3.0- 3.0	71590	LEC	1A	MWF	11:00 - 11:50 am	EECH	00101	Markowsky,L
	3.0- 3.0	72506	LEC	1B	MWF	12:00 - 12:50 pm	BCH	00315	Leopold,J
2300 File Structures And Introduction To Database Systems Prerequisite: A "C" or better grade in Comp Sci 1510.	3.0- 3.0	72976	LEC	1A	TTh	09:30 - 10:45 am	CS	00207	McGeehan,D
	3.0- 3.0	70420	LEC	1B	TTh	11:00 - 12:15 pm	PHYS	00104	Lin,D

CATALOG # AND COURSE TITLE	CREDIT	CLASS#	CMP	SEC	DAY	TIME	BLDG	ROOM	INSTRUCTOR	
2500 Algorithms Prerequisite: A "C" or better grade in both Comp Sci 1200 and Comp Sci 1510; preceded by "C" or better grade in either Math 1208 or Math 1214, or accompanied by either Math 1208 or Math 1214.	3.0- 3.0	70421	LEC	1A	TTh	08:00 - 09:15 am	BCH	00101	Sabharwal,C	
	3.0- 3.0	72050	LEC	1B	TTh	03:30 - 04:45 pm	TMH	00295	Sabharwal,C	
3100 Software Engineering I Prerequisite: A "C" or better grade in Comp Sci 2500 and at least Junior standing.	3.0- 3.0	71404	LEC	1A	MWF	11:00 - 11:50 am	CS	00207	Fu,Y	
3200 Introduction To Numerical Methods Prerequisites: Program competency and a "C" or better grade in either Math 1215 or Math 1221.	3.0- 3.0	70418	LEC	1A	TTh	12:30 - 01:45 pm	TMH	00295	Ercal,F	
	3.0- 3.0	70419	LEC	1B	TTh	09:30 - 10:45 am	MCNT	00211	Ercal,F	
3500 Programming Languages And Translators Prerequisite: A "C" or better grade in Comp Sci 2200.	3.0- 3.0	71782	LEC	1A	MWF	02:00 - 02:50 pm	CH	00104	Leopold,J	
	3.0- 3.0	80923	LEC	1B	MWF	03:00 - 03:50 pm	CS	00207	Leopold,J	
3600 Introduction to Computer Security Prerequisite: A "C" or better grade in Comp Sci 2500.	3.0- 3.0	71765	LEC	1A	MWF	09:00 - 09:50 am	EMGT	00103	Jiang,W	
3800 Introduction To Operating Systems Prerequisites: A "C" or better grade in all of Comp Sci 1510, Comp Sci 1200, and Comp Eng 3150.	3.0- 3.0	70422	LEC	1A	MWF	12:00 - 12:50 pm	MCNT	00211	Gosnell,M	
	3.0- 3.0	80924	LEC	1B	MWF	01:00 - 01:50 pm	MCNT	00216	Gosnell,M	
4000 Special Problems	0.0- 6.0	71506	IND	6A	ARR	ARR	ARR		McMillin,B	
	0.0- 6.0	81151	IND	6B	ARR	ARR	ARR		Tauritz,D	
4001 Special Topics Prerequisites: A grade of "C" or better in Comp Sci/Econ 3001 Skill Development for Entrepreneurs.	2.0- 2.0		LEC	1A	ARR	ARR	ARR		Bachman,B	
	2.0- 2.0	80984	LAB	3A	M	05:00 - 06:30 pm	HARR	00107	Bachman,B	
	1.0- 1.0	80986	LAB	3B	M	04:00 - 04:50 pm	HARR	00107	Bachman,B	
4096 Software Systems Development I Prerequisites: 100 credit hours completed and a grade of "C" or better in both Comp Sci 3100 and one of Phil 3225, Phil 3235, Phil 4340, or Phil 4368.	3.0- 3.0	70438	LEC	1A	TTh	02:00 - 03:15 pm	TMH	00295	Morales,A	
4097 Software Systems Development II Prerequisite: A "C" or better grade in Comp Sci 4096.	3.0- 3.0	70439	LEC	1A	TTh	02:00 - 03:15 pm	TMH	00295	Morales,A	
4099 Undergraduate Research	0.0- 6.0	70431	IND	6A	ARR	ARR	ARR		Das,S	
	0.0- 6.0	70437	IND	6B	ARR	ARR	ARR		Ercal,F	
	0.0- 6.0	70433	IND	6C	ARR	ARR	ARR		Jiang,W	
	0.0- 6.0	70434	IND	6D	ARR	ARR	ARR		Leopold,J	
	0.0- 6.0	70435	IND	6E	ARR	ARR	ARR		Lin,D	
	0.0- 6.0	70436	IND	6F	ARR	ARR	ARR		Madria,S	
	0.0- 6.0	70432	IND	6G	ARR	ARR	ARR		McMillin,B	
	0.0- 6.0	72026	IND	6J	ARR	ARR	ARR		Morales,A	
	0.0- 6.0	72044	IND	6K	ARR	ARR	ARR		Sedighsarvestani,S	
	0.0- 6.0	72136	IND	6L	ARR	ARR	ARR		Tauritz,D	
	0.0- 6.0	72326	IND	6M	ARR	ARR	ARR		Yin,Z	
	0.0- 6.0	72458	IND	6N	ARR	ARR	ARR		Fu,Y	
	0.0- 6.0	81089	IND	6P	ARR	ARR	ARR		Taylor,P	
	0.0- 6.0	81149	IND	6Q	ARR	ARR	ARR		Guo,Z	
	0.0- 6.0	81150	IND	6R	ARR	ARR	ARR		Xiong,H	
	5000 Special Problems PREREQUISITE: CONSENT OF INSTRUCTOR REQUIRED.	0.0- 6.0	70423	IND	6B	CANCELLED				
0.0- 6.0		70424	IND	6C	ARR	ARR	ARR		Ercal,F	
0.0- 6.0		70425	IND	6D	ARR	ARR	ARR		Leopold,J	
0.0- 6.0		70426	IND	6E	ARR	ARR	ARR		Lin,D	
0.0- 6.0		70427	IND	6G	ARR	ARR	ARR		Lutzen,K	
0.0- 6.0		70428	IND	6H	ARR	ARR	ARR		Madria,S	
0.0- 6.0		70430	IND	6J	ARR	ARR	ARR		McMillin,B	
0.0- 6.0		70429	IND	6K	ARR	ARR	ARR		Sabharwal,C	
0.0- 6.0		71584	IND	6L	ARR	ARR	ARR		Tauritz,D	

CATALOG # AND COURSE TITLE	CREDIT	CLASS#	CMP	SEC	DAY	TIME	BLDG	ROOM	INSTRUCTOR
5001 Special Topics Prerequisites: Comp Sci 1510.	3.0- 3.0	80978	LEC	1A	T	04:00 - 06:30 pm	BCH	00316	Bachman,B
									Comp Sci Entrepreneurship
	3.0- 3.0	81163	LEC	1B	MWF	11:00 - 11:50 am	BCH	00213	Morales,A
									Intro to Deep Learning
									Prerequisites: A grade of "C" or better in both Comp Sci 2500 and Math 3108.
	3.0- 3.0	81165	LEC	1C	TTh	09:30 - 10:45 am	CS	00209	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.
5099 Research	0.0-16.0	70447	IND	6B	ARR	ARR	ARR		Das,S
	0.0-16.0	70449	IND	6C	ARR	ARR	ARR		Ercal,F
	0.0-16.0	71691	IND	6D	ARR	ARR	ARR		Fu,Y
	0.0-16.0	71684	IND	6E	ARR	ARR	ARR		Guo,Z
	0.0-16.0	70450	IND	6F	ARR	ARR	ARR		Hurson,A
	0.0-16.0	71686	IND	6H	ARR	ARR	ARR		Jiang,W
	0.0-16.0	70451	IND	6J	ARR	ARR	ARR		Leopold,J
	0.0-16.0	70452	IND	6L	ARR	ARR	ARR		Lin,D
	0.0-16.0	70453	IND	6M	ARR	ARR	ARR		Madria,S
	0.0-16.0	71690	IND	6N	ARR	ARR	ARR		McMillin,B
	0.0-16.0	70448	IND	6P	ARR	ARR	ARR		Sabharwal,C
	0.0-16.0	70454	IND	6Q	ARR	ARR	ARR		Sedighsarvestani,S
	0.0-16.0	70455	IND	6R	ARR	ARR	ARR		Silvestri,S
	0.0-16.0	71968	IND	6T	ARR	ARR	ARR		Tauritz,D
	0.0-16.0	72452	IND	6U	ARR	ARR	ARR		Wunsch,D
	0.0-16.0	72453	IND	6V	ARR	ARR	ARR		Xiong,H
	0.0-16.0	80925	IND	6W	ARR	ARR	ARR		Yin,Z
5200 Analysis Of Algorithms Prerequisite: A "C" or better grade in Comp Sci 2500.	3.0- 3.0	72507	LEC	1A	TTh	11:00 - 12:15 pm	CS	00209	Markowsky,G
5300 Database Systems Prerequisite: A "C" or better grade in both Comp Sci 1200 and Comp Sci 2300.	3.0- 3.0	72191	LEC	1A	TTh	03:30 - 04:45 pm	CS	00209	Hurson,A
5401 Evolutionary Computing Prerequisite: A "C" or better grade in both Comp Sci 2500 and in a Statistics course.	3.0- 3.0	72508	LEC	1A	TTh	02:00 - 03:15 pm	CS	00209	Tauritz,D
5402 Data Mining & Machine Learning Prerequisites: A "C" or better in both Comp Sci 2300 and one of Stat 3111, Stat 3113, Stat 3115, Stat 3117.	3.0- 3.0	72509	LEC	1A	CANCELLED				
5405 Java Gui & Visualization Prerequisite: A "C" or better grade in Comp Sci 2500 or equivalent.	3.0- 3.0	71372	LEC	1A	TTh	11:00 - 12:15 pm	BCH	00318	Sabharwal,C
5600 Computer Networks Prerequisite: A "C" or better grade in Comp Sci 3800.	3.0- 3.0	72289	LEC	1A	TTh	05:00 - 06:15 pm	BERTELS	00B12B	Xiong,H
6000 Special Problems Prerequisite: Consent of instructor required.	0.0- 6.0	70440	IND	6A	ARR	ARR	ARR		Ercal,F
	0.0- 6.0	70441	IND	6B	ARR	ARR	ARR		Leopold,J
	0.0- 6.0	70442	IND	6C	ARR	ARR	ARR		Madria,S
	0.0- 6.0	70443	IND	6E	ARR	ARR	ARR		McMillin,B
	0.0- 6.0	70444	IND	6F	ARR	ARR	ARR		Sabharwal,C
	0.0- 6.0	70445	IND	6G	ARR	ARR	ARR		Tauritz,D
	0.0- 6.0	70446	IND	6H	ARR	ARR	ARR		Guo,Z
6001 Special Topics	3.0- 3.0	80926	LEC	1A	TTh	08:00 - 09:15 am	EECH	00239	Das,S
									Applied Graph Theory
									Prerequisite: A "C" or better grade in Comp Sci 5200.
	3.0- 3.0	81134	LEC	1B	CANCELLED				
6010 Seminar	1.0- 1.0	71966	RSD	2A	M	10:00 - 10:50 am	CS	00209	Markowsky,G
6040 Oral Examination Student will be billed for one credit hour. Not required for students otherwise enrolled. Graduate office permission required.	0.0- 0.0	70456	IND	6A	ARR	ARR	ARR		Jiang,W

CATALOG # AND COURSE TITLE	CREDIT	CLASS#	CMP	SEC	DAY	TIME	BLDG	ROOM	INSTRUCTOR
6050 Continuous Registration Doctoral students only. Graduate office permission required.	1.0- 1.0	70457	IND	6A	ARR	ARR	ARR		Jiang,W
6099 Research Special Topics	0.0-16.0	72270	IND	6B	ARR	ARR	ARR		Das,S
	0.0-16.0	72271	IND	6C	ARR	ARR	ARR		Ercal,F
	0.0-16.0	72272	IND	6D	ARR	ARR	ARR		Fu,Y
	0.0-16.0	72273	IND	6E	ARR	ARR	ARR		Guo,Z
	0.0-16.0	72274	IND	6F	ARR	ARR	ARR		Hurson,A
	0.0-16.0	72275	IND	6H	ARR	ARR	ARR		Jiang,W
	0.0-16.0	72276	IND	6J	ARR	ARR	ARR		Leopold,J
	0.0-16.0	72277	IND	6L	ARR	ARR	ARR		Lin,D
	0.0-16.0	72278	IND	6M	ARR	ARR	ARR		Madria,S
	0.0-16.0	72279	IND	6N	ARR	ARR	ARR		McMillin,B
	0.0-16.0	72280	IND	6P	ARR	ARR	ARR		Sabharwal,C
	0.0-16.0	72281	IND	6Q	ARR	ARR	ARR		Sedighsarvestani,S
	0.0-16.0	72282	IND	6R	ARR	ARR	ARR		Silvestri,S
	0.0-16.0	72283	IND	6T	ARR	ARR	ARR		Tauritz,D
	0.0-16.0	72456	IND	6U	ARR	ARR	ARR		Wunsch,D
	0.0-16.0	72457	IND	6V	ARR	ARR	ARR		Xiong,H
	0.0-16.0	80927	IND	6W	ARR	ARR	ARR		Yin,Z
6202 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 Eng Mgt 6410)	3.0- 3.0	71644	LEC	1A	M	04:00 - 06:30 pm	TMH	00260	Gosavi,A
6302 Heterogeneous and Mobile Databases Prerequisite: A "C" or better grade in Comp Sci 5300.	3.0- 3.0	80928	LEC	1A	CANCELLED				
6303 Pervasive Computing Prerequisite: A grade of "C" or better in one of Comp Sci 4600, Comp Sci 5600, or Comp Eng 5410.	3.0- 3.0	72131	LEC	1A	TTh	09:30 - 10:45 am	EECH	00111	Lin,D
6304 Cloud Computing and Big Data Management Prerequisites: A grade of 'C' or better in both COMP SCI 5800 and either COMP SCI 5300 or COMP SCI 5402.	3.0- 3.0	72511	LEC	1A	TTh	02:00 - 03:15 pm	TMH	00260	Madria,S
6600 Computer Security Prerequisite: A "C" or better grade in both Comp Sci 3600 and Comp Sci 5200.	3.0- 3.0	72512	LEC	1A	CANCELLED				
6601 Privacy Preserving Data Integration and Analysis Prerequisite: A "C" or better grade in both Comp Sci 5300 and Comp Sci 3600.	3.0- 3.0	81068	LEC	1A	MWF	10:00 - 10:50 am	BCH	00213	Jiang,W
6602 Network Performance Analysis Prerequisites: Comp Eng 5410 or Comp Sci 4600; Stat 3117 or 5643. (Co-listed with Comp Eng 6440)	3.0- 3.0	71923	LEC	1A	CANCELLED				

Economics

1100 Principles Of Microeconomics	3.0- 3.0	70495	LEC	1A	MWF	11:00 - 11:50 am	EMGT	00103	Fikru,M
	3.0- 3.0	70494	LEC	1B	TTh	02:00 - 03:15 pm	SHNK	000G3	Park,E
	3.0- 3.0	71878	LEC	1C	TTh	12:30 - 01:45 pm	EMGT	00103	Park,E
	3.0- 3.0	70493	LEC	1D	CANCELLED				
1200 Principles Of Macroeconomics	3.0- 3.0	72006	LEC	1A	M	06:00 - 09:00 pm	BCH	00120	Yishu,Z
	3.0- 3.0	70497	LEC	1B	MWF	03:00 - 03:50 pm	BCH	00120	Puslenghea,R
	3.0- 3.0	72007	LEC	1C	MWF	02:00 - 02:50 pm	TMH	00199	Puslenghea,R
	3.0- 3.0	70496	LEC	1D	TTh	12:30 - 01:45 pm	PHYS	00104	Yishu,Z
	3.0- 3.0	72776	LEC	1E	MWF	10:00 - 10:50 am	FUL	00227	Puslenghea,R
2100 Intermediate Microeconomic Theory Prerequisites: Econ 1100 and 1200.	3.0- 3.0	70500	LEC	1A	TTh	11:00 - 12:15 pm	EECH	00111	Park,E
2200 Intermediate Macroeconomic Theory Prerequisites: Econ 1100 and 1200.	3.0- 3.0	70501	LEC	1A	TTh	12:30 - 01:45 pm	EMGT	00102	Davis,M
2300 Economic and Business Applications Prerequisites: Econ 1100 or 1200; Math 1140 or higher; Stat 1115 or 3111 or 3113 or 3115 or 3117 or 5643.	3.0- 3.0		LEC	1A	T	09:30 - 10:45 am	EECH	00102	Ichim,A
	3.0- 3.0	70499	LAB	3A	Th	09:30 - 10:45 am	SHNK	00140	Ichim,A

CATALOG # AND COURSE TITLE	CREDIT	CLASS#	CMP	SEC	DAY	TIME	BLDG	ROOM	INSTRUCTOR
3512 Mining Industry Economics Prerequisite: Econ 1100 or 1200. (Co-listed with Min Eng 3512)	3.0- 3.0	71754	LEC	1A	TTh	08:00 - 09:15 am	SHNK	00126	Johnson,C
4000 Special Problems	0.0- 6.0	72269	IND	6B	ARR	ARR	ARR		Gelles,G
4001 Special Topics Prerequisites: A grade of "C" or better in Comp Sci/Econ 3001 Skill Development for Entrepreneurs.	2.0- 2.0		LEC	1A	ARR	ARR	ARR		Bachman,B
	2.0- 2.0	80981	LAB	3A	M	05:00 - 06:30 pm	HARR	00107	Bachman,B
	1.0- 1.0	80985	LAB	3B	M	04:00 - 04:50 pm	HARR	00107	Bachman,B
4085 Internship Prerequisites: Senior status; must have completed 24 hours in major.	0.0- 6.0	70502	IND	6A	ARR	ARR	ARR		Gelles,G
4440 Environmental And Natural Resource Economics Prerequisite: Econ 2100. (Co-listed with Min Eng 4523)	3.0- 3.0	71776	LEC	1A	MWF	10:00 - 10:50 am	CSF	00G5D	Fikru,M
4710 International Trade	3.0- 3.0	73103	LEC	1A	CANCELLED				
4720 International Finance Prerequisite: Econ 2200.	3.0- 3.0	71632	LEC	1A	TTh	09:30 - 10:45 am	HARR	00107	Davis,M
5000 Special Problems	0.0- 6.0	72415	IND	6A	ARR	ARR	ARR		Bachman,B
5001 Special Topics Prerequisites: Stat 3111 or Stat 3113 or Stat 3115 or Stat 3117 or Stat 5643 and Econ 2100 or Econ 2200. One single day trip to the Federal Reserve Bank of St. Louis. Students are responsible for the associated costs, such as travel.	3.0- 3.0		LEC	1A	T	02:00 - 03:15 pm	CH	00103	Ichim,A
	3.0- 3.0	80979	LEC	1B	T	04:00 - 06:30 pm	BCH	00316	Bachman,B
	3.0- 3.0	80976	LAB	3A	Th	02:00 - 03:15 pm	H-SS	00202	Ichim,A
5337 Financial Mathematics Prerequisites: Math 15 or Math 21, Econ 221 or Econ 222 or Econ 250 or Econ 321, Stat 211 or Stat 213 or Stat 215 or Stat 217 or Stat 343. (Co-listed with Math 337)	3.0- 3.0	71534	LEC	1A	CANCELLED				
5532 Advanced Mining Economics (Co-listed with MIN ENG 5532)	3.0- 3.0	72734	LEC	1A	ARR	ARR	ARR		Johnson,C

Education

1040 Perspectives In Education	2.0- 2.0	81038	LEC	1A	TTh	08:00 - 08:50 am	CH	00103	Roberts,R
1104 Teacher Field Experience Prerequisite: Educ 1040.	2.0- 2.0	70504	LAB	3A	T	01:00 - 01:50 pm	CH	00103	Carter,K
1164 Aiding Elementary, Middle And Secondary Schools Prerequisites: Educ 1040 and Educ 1104.	2.0- 2.0	70505	LAB	3A	Th	01:00 - 01:50 pm	CH	00103	Carter,K
1174 School Organization & Adm For Elementary & Secondary Teachers Prerequisites: Educ 1040 and Educ 1104.	2.0- 2.0	70506	LEC	1A	M	05:30 - 07:20 pm	CH	00103	Zalis,A
2001 Special Topics Teach Sci in Elem Classroom	0.0- 6.0	81039	LEC	1A	TTh	02:00 - 03:15 pm	H-SS	00201	Schwartz,M
2102 Educational Psychology Prerequisite: Psych 1101. (Co-listed with Psych 2300)	3.0- 3.0	70503	LEC	1A	M	04:00 - 06:30 pm	H-SS	00103	Spooner,P
3216 Teaching Reading in Content Area	3.0- 3.0	71366	LEC	1A	TTh	09:30 - 10:45 am	H-SS	00102	Long,D
3222 Geometric Concepts for Elementary Teachers Prerequisites: Math 1120 or Math 1140. (Co-listed with Math 3922)	3.0- 3.0	81040	LEC	1A	TTh	11:00 - 12:15 pm	EMGT	00106	Schwartz,M
3340 Current Issues In Educ:Performance Based Assessment, Intermediate	3.0- 3.0	81041	LEC	1A	T	04:00 - 06:30 pm	CH	00103	Davis,M
4298 Student Teaching Seminar Prerequisites: Meet all requirements for student teaching and concurrently be enrolled in student teaching.	1.0- 1.0	70507	LEC	1A	F	08:00 - 01:00 pm	CH	00214	Carter,K
4299 Student Teaching Prerequisites: Professional standing and arrangements made previous semester.	12.0-12.0	70508	LEC	1A	ARR	ARR	ARR		Carter,K

CATALOG # AND COURSE TITLE	CREDIT	CLASS#	CMP	SEC	DAY	TIME	BLDG	ROOM	INSTRUCTOR
4310 Psychology Of The Exceptional Child Prerequisite: Psych 1101. (Co-listed with Psych 4310)	3.0- 3.0	72285	LEC	1A	MWF	01:00 - 01:50 pm	H-SS	00201	Krueger,M

Electrical Engineering

2100 Circuits I Prerequisites: Math 1215 (or 1221) with a grade of "C" or better. Students should enroll in Elec Eng 2100 and Elec Eng 2101 simultaneously.	3.0- 3.0	72548	LEC	1A	MWF	08:00 - 08:50 am	EECH	00104	Swift,T
	3.0- 3.0	70509	LEC	1B	MWF	09:00 - 09:50 am	EECH	00104	Swift,T
	3.0- 3.0	70510	LEC	1C	MWF	10:00 - 10:50 am	EECH	00104	Swift,T
	3.0- 3.0	70511	LEC	1D	TTh	11:00 - 12:15 pm	EECH	00101	Wu,C
2101 Circuit Analysis Laboratory I Prerequisite: Preceded or accompanied by Elec Eng 2100. A student who drops Elec Eng 2100 must also drop Elec Eng 2101.	1.0- 1.0	70512	LAB	3A	M	06:10 - 08:00 pm	EECH	00203	Jain,P
	1.0- 1.0	71258	LAB	3B	T	08:00 - 09:50 am	EECH	00203	Damti,S
	1.0- 1.0	70513	LAB	3C	T	10:00 - 11:50 am	EECH	00203	Tichenor,J
	1.0- 1.0	70514	LAB	3D	T	02:30 - 04:20 pm	EECH	00203	Gajjar,V
	1.0- 1.0	70515	LAB	3E	W	01:00 - 02:50 pm	EECH	00203	Mohammed Farhan Ahmed,.
	1.0- 1.0	70516	LAB	3F	W	03:00 - 04:50 pm	EECH	00203	Mohammed Farhan Ahmed,.
	1.0- 1.0	71851	LAB	3G	CANCELLED				
	1.0- 1.0	70517	LAB	3H	Th	02:30 - 04:20 pm	EECH	00203	Patel,S
	1.0- 1.0	71459	LAB	3J	Th	06:10 - 08:00 pm	EECH	00203	Damti,S
	1.0- 1.0	71934	LAB	3K	Th	10:00 - 11:50 am	EECH	00203	Damti,S
	1.0- 1.0	73123	LAB	3L	T	08:10 - 10:00 pm	EECH	00203	Gajjar,V
	1.0- 1.0	73124	LAB	3M	W	08:10 - 10:00 pm	EECH	00203	Gajjar,V
	1.0- 1.0	73218	LAB	3N	Th	12:30 - 02:20 pm	EECH	00203	Mohammed Farhan Ahmed,.
2120 Circuits II Prerequisites: Elec Eng 2100 and Math 2222 each with grade of "C" or better; passing the Elec Eng Advancement Exam I.	3.0- 3.0	70518	LEC	1A	WF	08:00 - 08:50 am	EECH	00102	Shrestha,B
						On-line instruction to be arranged on Mondays.			
			LEC	1A	ARR	ARR	ARR		
						On-line instruction to be arranged on Mondays.			
	3.0- 3.0	70519	LEC	1B	WF	09:00 - 09:50 am	EECH	00102	Shrestha,B
						On-line instruction to be arranged on Mondays.			
			LEC	1B	ARR	ARR	ARR		
						On-line instruction to be arranged on Mondays.			
	3.0- 3.0	70520	LEC	1C	WF	01:00 - 01:50 pm	EECH	00102	Shrestha,B
						Instruction to be arranged on Mondays			
			LEC	1C	ARR	ARR	ARR		
						Instruction to be arranged on Mondays			
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	71514	LEC	1A	MWF	10:00 - 10:50 am	EECH	00239	Dua,R
	3.0- 3.0	71601	LEC	1B	TTh	11:00 - 12:15 pm	EECH	00102	Watkins,S
	3.0- 3.0	71602	LEC	1C	TTh	02:00 - 03:15 pm	BCH	00315	Watkins,S
2201 Electronic Devices Laboratory Prerequisites: Elec Eng 2100, Elec Eng 2101, and Physics 2135 each with grade of "C" or better; passing the Elec Eng Advancement Exam I. Preceded or accompanied by Elec Eng 2200.	1.0- 1.0	71515	LAB	3A	M	01:00 - 02:50 pm	EECH	00203	Chattopadhyay,D
	1.0- 1.0	71565	LAB	3B	M	03:00 - 04:50 pm	EECH	00203	Chattopadhyay,D
	1.0- 1.0	71603	LAB	3C	T	06:10 - 08:00 pm	EECH	00203	Chattopadhyay,D
	1.0- 1.0	71604	LAB	3D	W	08:00 - 09:50 am	EECH	00203	Maurya,A
	1.0- 1.0	71605	LAB	3E	W	06:10 - 08:00 pm	EECH	00203	Chattopadhyay,D
	1.0- 1.0	71606	LAB	3F	F	01:00 - 02:50 pm	EECH	00203	Patel,S
	1.0- 1.0	72080	LAB	3G	F	03:00 - 04:50 pm	EECH	00203	Patel,S
	1.0- 1.0	81001	LAB	3H	F	08:00 - 09:50 pm	EECH	00203	Roy Chowdhury,V
	1.0- 1.0	81002	LAB	3J	F	06:10 - 08:00 pm	EECH	00203	Roy Chowdhury,V
	1.0- 1.0	81203	LAB	3K	Th	08:00 - 09:50 am	EECH	00203	Patel,S

CATALOG # AND COURSE TITLE	CREDIT	CLASS#	CMP	SEC	DAY	TIME	BLDG	ROOM	INSTRUCTOR
2800 Electrical Circuits Prerequisites: Math 3304 or 3329; Physics 2135.	3.0- 3.0	70534	LEC	1A	MWF	11:00 - 11:50 am	EECH	00G31	Kaur,A
	3.0- 3.0	71500	LEC	1B	MWF	01:00 - 01:50 pm	EMGT	00103	Kaur,A
3000 Special Problems	1.0- 6.0	70521	IND	6A	ARR	ARR	ARR		
3002 Cooperative Engineering Training Prerequisite: Consent of the Electrical and Computer Engineering Department required.	1.0- 1.0	70522	IND	6A	ARR	ARR	ARR		Ferdowski,M
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	72195	LEC	1A	MWF	09:00 - 09:50 am	LIB	000G14	Odun-Ayo,T
	3.0- 3.0	70529	LEC	1B	MWF	01:00 - 01:50 pm	EECH	00101	Khilkevich,V
3101 Electronics I Laboratory 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 3100 is a corequisite.	1.0- 1.0	70531	LAB	3A	CANCELLED				
	1.0- 1.0	70532	LAB	3B	M	03:00 - 04:50 pm	EECH	00204	Walunj,S
	1.0- 1.0	72951	LAB	3C	M	06:10 - 08:00 pm	EECH	00204	Walunj,S
	1.0- 1.0	70533	LAB	3D	T	12:30 - 02:20 pm	EECH	00204	Nassr,H
	1.0- 1.0	72196	LAB	3E	T	02:30 - 04:20 pm	EECH	00204	Nassr,H
	1.0- 1.0	81003	LAB	3F	T	06:10 - 08:00 pm	EECH	00204	Walunj,S
	1.0- 1.0	71613	LAB	3G	W	01:00 - 02:50 pm	EECH	00204	Nassr,H
	1.0- 1.0	71614	LAB	3H	Th	12:30 - 02:20 pm	EECH	00204	Nassr,H
3120 Electronics II Prerequisites: Elec Eng 3100 and Elec Eng 3101 each with a grade of "C" or better. Elec Eng 3121 is optional, but recommended.	3.0- 3.0	70530	LEC	1A	MWF	02:00 - 02:50 pm	EECH	00103	Woodley,R
3250 Electronic And Photonic Devices Prerequisite: Elec Eng 2200 and Elec Eng 2120 each with grade of "C" or better; passing the Elec Eng Advancement Exams II and III.	3.0- 3.0	71943	LEC	1B	MWF	11:00 - 11:50 am	EECH	00102	Kim,C
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	72952	LEC	1A	TTh	08:00 - 09:15 am	EECH	00102	Acar,L
	3.0- 3.0	81062	LEC	1B	TTh	02:00 - 03:15 pm	EMGT	00201	Modares,H
3321 Control Systems Laboratory Prerequisites: ELEC ENG 2120 and MATH 3304 with a grade of "C" or better; passing the ELEC ENG Advancement Exam II; preceded or accompanied by ELEC ENG 3320.	1.0- 1.0	72549	LAB	3A	M	01:00 - 02:50 pm	EECH	00205	Mustafa,A
	1.0- 1.0	72954	LAB	3B	Th	02:30 - 04:20 pm	EECH	00205	Raghavan,K
	1.0- 1.0	72955	LAB	3C	F	01:00 - 02:50 pm	EECH	00205	Mustafa,A
	1.0- 1.0	72550	LAB	3D	T	05:00 - 06:50 pm	EECH	00205	Raghavan,K
	1.0- 1.0	72953	LAB	3E	M	03:00 - 04:50 pm	EECH	00205	Mustafa,A
	1.0- 1.0	81201	LAB	3F	F	05:00 - 06:50 pm	EECH	00205	Mustafa,A
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	1A	TTh	08:00 - 09:15 am	TMH	00260	Erickson,K
	3.0- 3.0	71492	LAB	3A	T	02:30 - 04:20 pm	EECH	00G22	Erickson,K
	3.0- 3.0	71854	LAB	3B	W	01:00 - 02:50 pm	EECH	00G22	Erickson,K
	3.0- 3.0	70528	LAB	3C	Th	12:00 - 01:50 pm	EECH	00G22	Erickson,K
	3.0- 3.0	72185	LAB	3D	Th	02:30 - 04:20 pm	EECH	00G22	Erickson,K
	3.0- 3.0	73265	LAB	3E	ARR	ARR	EECH	00G22	Erickson,K
3410 Digital Signal Processing Prerequisites: ELEC ENG 2120 with a grade of "C" or better; passing the ELEC ENG Advancement Exam II.	3.0- 3.0	71607	LEC	1A	MWF	09:00 - 09:50 am	EECH	00G31	Kosbar,K
3411 Discrete Linear Systems Laboratory Prerequisites: Elec Eng 2120 with a grade of "C" or better; passing the Elec Eng Advancement Exam II. Preceded or accompanied by Elec Eng 3410.	1.0- 1.0	74410	LAB	3A	CANCELLED				
	1.0- 1.0	71608	LAB	3B	T	10:00 - 11:50 am	EE	00106	Maurya,A
	1.0- 1.0	71609	LAB	3C	CANCELLED				
	1.0- 1.0	71610	LAB	3D	CANCELLED				
	1.0- 1.0	71611	LAB	3E	CANCELLED				

CATALOG # AND COURSE TITLE	CREDIT	CLASS#	CMP	SEC	DAY	TIME	BLDG	ROOM	INSTRUCTOR
	1.0- 1.0	81004	LAB	3F		CANCELLED			
	1.0- 1.0	72551	LAB	3G		CANCELLED			
	1.0- 1.0	71612	LAB	3H	Th	02:30 - 04:20 pm	EE	00106	Maurya,A
	1.0- 1.0	81005	LAB	3J		CANCELLED			
3430 Digital Communications I	3.0- 3.0	72956	LEC	1A	MWF	11:00 - 11:50 am	EECH	00103	Kosbar,K
Prerequisites: ELEC ENG 2120 with a grade of "C" or better; passing the ELEC ENG Advancement Exam II; accompanied by ELEC ENG 3431.	3.0- 3.0	81246	LEC	1B	MWF	08:00 - 08:50 am	EECH	00103	Kosbar,K
3431 Digital Communication Laboratory	1.0- 1.0	72957	LAB	3A	M	05:00 - 06:50 pm	EECH	00205	Gajjar,V
Prerequisites: ELEC ENG 2120 and ELEC ENG 2101 with a grade of "C" or better; passing the ELEC ENG Advancement Exam II; preceded or accompanied by ELEC ENG 3430.	1.0- 1.0	72958	LAB	3B	W	05:00 - 06:50 pm	EECH	00205	Venkatasubramani,S
	1.0- 1.0	72959	LAB	3C	Th	05:00 - 06:50 pm	EECH	00205	Venkatasubramani,S
	1.0- 1.0	81202	LAB	3D	W	03:00 - 04:50 pm	EECH	00205	Venkatasubramani,S
3500 Electromechanics	3.0- 3.0	70523	LEC	1A	TTh	11:00 - 12:15 pm	EECH	00104	Kimball,J
Prerequisites: Physics 2135 with a grade of "C" or better; Elec Eng 2120 with a grade of "C" or better; passing grade on the Elec Eng Advancement Exam II.									
3501 Electromechanics Laboratory	1.0- 1.0	81006	LAB	3A	T	12:30 - 02:20 pm	EECH	00G12	Patel,P
Prerequisites: Elec Eng 2120 with a grade of "C" or better; passing grade on the Elec Eng Advancement Exam II. Preceded or accompanied by Elec Eng 3500.									
	1.0- 1.0	70525	LAB	3B	W	10:00 - 10:20 am	EECH	00G12	Patel,P
	1.0- 1.0	71516	LAB	3C	W	01:00 - 01:20 pm	EECH	00G12	Jain,P
	1.0- 1.0	81007	LAB	3D	F	01:00 - 02:50 pm	EECH	00G12	Kimball,J Jain,P
3540 Power System Design And Analysis	3.0- 3.0	70524	LEC	1A	MWF	08:00 - 08:50 am	EECH	00101	Shamsi,P
Prerequisites: Elec Eng 2120 with a grade of "C" or better; passing grade on the Elec Eng Advancement Exam II.									
3541 Power System Design And Analysis Laboratory	1.0- 1.0	70526	LAB	3A	M	01:00 - 02:50 pm	EECH	00G12	St. Pierre,W
Prerequisites: Elec Eng 2120 with a grade of "C" or better; passing grade on the Elec Eng Advancement Exam II. Preceded or accompanied by Elec Eng 3540. Labs will also meet in EECH 106 when directed to by instructor.									
	1.0- 1.0	71852	LAB	3B	T	02:30 - 04:20 pm	EECH	00G12	St. Pierre,W
	1.0- 1.0	71853	LAB	3C	Th	12:30 - 02:20 pm	EECH	00G12	Patel,P
	1.0- 1.0	81008	LAB	3D		CANCELLED			
3600 Electromagnetics	4.0- 4.0	71672	LEC	1A	TTh	08:00 - 09:15 am	BCH	00124	Huang,J
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.			LEC	1A	ARR	ARR	ARR		
4000 Special Problems	0.0- 6.0	70535	IND	6A	ARR	ARR	ARR		Acar,L
	0.0- 6.0	70536	IND	6B	ARR	ARR	ARR		Pommerenke,D
	0.0- 6.0	70537	IND	6C	ARR	ARR	ARR		Watkins,S
	0.0- 6.0	70538	IND	6D	ARR	ARR	ARR		Wu,C
	0.0- 6.0	70539	IND	6E	ARR	ARR	ARR		Zoughi,R
	0.0- 6.0	71241	IND	6F	ARR	ARR	ARR		
4096 Electrical Engineering Senior Project I	1.0- 1.0		RSD	2A	M	12:00 - 12:50 pm	EECH	00G31	Drewniak,J
Prerequisites: Comp Eng 2210, Econ 1100 or 1200, English 3560, at least 3 of the following: Elec Eng 3500, Elec Eng 3540, Elec Eng 3320, Elec Eng 3420, Elec Eng 3600, Elec Eng 3100.	1.0- 1.0		RSD	2B	M	12:00 - 12:50 pm	EECH	00G31	Drewniak,J
	1.0- 1.0	70557	LAB	3A	M	03:00 - 03:50 pm	TMH	00295	Donnell,K
	1.0- 1.0	70559	LAB	3B	W	03:00 - 03:50 pm	EECH	00102	Ferguson,I
4097 Electrical Engineering Senior Project II	3.0- 3.0	70560	LAB	3A	MW	03:00 - 04:50 pm	EECH	00G31	Pommerenke,D
Prerequisite: Elec Eng 4096 with a grade of "C" or better.	3.0- 3.0	70561	LAB	3B	TTh	03:30 - 05:20 pm	EECH	00G31	Zawodniok,M
4099 Undergraduate Research	0.0- 6.0	70546	IND	6A	ARR	ARR	ARR		Acar,L
	0.0- 6.0	70547	IND	6B	ARR	ARR	ARR		Crow,M
	0.0- 6.0	70548	IND	6C	ARR	ARR	ARR		Donnell,K
	0.0- 6.0	70549	IND	6D	ARR	ARR	ARR		Drewniak,J
	0.0- 6.0	70550	IND	6E	ARR	ARR	ARR		Erickson,K
	0.0- 6.0	70551	IND	6F	ARR	ARR	ARR		Ferdowski,M

CATALOG # AND COURSE TITLE	CREDIT	CLASS#	CMP	SEC	DAY	TIME	BLDG	ROOM	INSTRUCTOR	
	0.0- 6.0	70552	IND	6G	ARR	ARR	ARR		Kimball,J	
	0.0- 6.0	70553	IND	6H	ARR	ARR	ARR		Kosbar,K	
	0.0- 6.0	70554	IND	6J	ARR	ARR	ARR			
	0.0- 6.0	70555	IND	6K	ARR	ARR	ARR		Sedighsarvestani,S	
	0.0- 6.0	71395	IND	6L	ARR	ARR	ARR		Shamsi,P	
	0.0- 6.0	71409	IND	6M	ARR	ARR	ARR		Shrestha,B	
	0.0- 6.0	71436	IND	6N	ARR	ARR	ARR		Watkins,S	
	0.0- 6.0	71951	IND	6P	ARR	ARR	ARR		Wu,C	
	0.0- 6.0	72039	IND	6Q	ARR	ARR	ARR		Zheng, Y	
	0.0- 6.0	73113	IND	6R	ARR	ARR	ARR		Zoughi,R	
	0.0- 6.0	73140	IND	6T	ARR	ARR	ARR		Pommerenke,D	
5001	0.0- 6.0	73263	IND	6U	ARR	ARR	ARR			
5001	3.0- 3.0	81009	LEC	1A	TTh	12:30 - 01:45 pm	EECH	00111	Zoughi,R	
									Introduction to Radar Systems	
									Prerequisites: Elec Eng 3600 and Elec Eng 3400.	
	3.0- 3.0	81194	LEC	1B	Th	04:00 - 06:30 pm	EECH	00239	Ferguson,I	
									Design Innovation Engrs	
									Prerequisite: Junior or above standing. (Co-listed with Comp Eng 5001)	
5040	0.0- 0.0	70601	IND	6A	ARR	ARR	ARR			
									Student will be billed for one credit hour. Not required for students otherwise enrolled. Graduate office permission required.	
5099	0.0-15.0	70573	IND	6A	ARR	ARR	ARR		Acar,L	
	0.0-15.0	70574	IND	6B	ARR	ARR	ARR		Beetner,D	
	0.0-15.0	70575	IND	6C	ARR	ARR	ARR		Cetinkaya,E	
	0.0-15.0	70576	IND	6D	ARR	ARR	ARR		Crow,M	
	0.0-15.0	71235	IND	6E	ARR	ARR	ARR		Donnell,K	
	0.0-15.0	70577	IND	6F	ARR	ARR	ARR		Drewniak,J	
	0.0-15.0	70578	IND	6G	ARR	ARR	ARR		Erickson,K	
	0.0-15.0	70579	IND	6H	ARR	ARR	ARR		Fan,J	
	0.0-15.0	70580	IND	6J	ARR	ARR	ARR		Ferdowsi,M	
	0.0-15.0	70581	IND	6K	ARR	ARR	ARR		Huang,J	
	0.0-15.0	71288	IND	6L	ARR	ARR	ARR		Khilkevich,V	
	0.0-15.0	70582	IND	6M	ARR	ARR	ARR		Kim,C	
	0.0-15.0	70583	IND	6N	ARR	ARR	ARR		Kimball,J	
	0.0-15.0	70584	IND	6P	ARR	ARR	ARR		Kosbar,K	
	0.0-15.0	70586	IND	6Q	ARR	ARR	ARR			
	0.0-15.0	70587	IND	6R	ARR	ARR	ARR		Pommerenke,D	
	0.0-15.0	70585	IND	6T	ARR	ARR	ARR		Sarangapani,J	
	0.0-15.0	70588	IND	6U	ARR	ARR	ARR		Sedighsarvestani,S	
	0.0-15.0	70589	IND	6V	ARR	ARR	ARR		Shamsi,P	
	0.0-15.0	70590	IND	6W	ARR	ARR	ARR		Stanley,R	
	0.0-15.0	70591	IND	6X	ARR	ARR	ARR		Watkins,S	
	0.0-15.0	70592	IND	6Y	ARR	ARR	ARR		Wu,C	
	0.0-15.0	71237	IND	6Z	ARR	ARR	ARR		Wunsch,D	
	0.0-15.0	70593	IND	6AA	ARR	ARR	ARR		Xiao,C	
	0.0-15.0	70594	IND	6BB	ARR	ARR	ARR		Zawodniok,M	
	0.0-15.0	70595	IND	6CC	ARR	ARR	ARR		Zhang, Y	
	0.0-15.0	70596	IND	6DD	ARR	ARR	ARR		Zheng, Y	
	0.0-15.0	70597	IND	6EE	ARR	ARR	ARR		Zoughi,R	
	0.0-15.0	70598	IND	6FF	ARR	ARR	ARR			
	0.0-15.0	70599	IND	6GG	ARR	ARR	ARR			
	0.0-15.0	72162	IND	6HH	ARR	ARR	ARR			
	0.0-15.0	81256	IND	6JJ	ARR	ARR	ARR		Hwang,C	
5140	3.0- 3.0	72960	LEC	1A	CANCELLED					
									Prerequisites: Elec Eng 3120, 3600.	
5160	3.0- 3.0	72961	LEC	1A	CANCELLED					
									Prerequisites: Elec Eng 3100.	
5250	3.0- 3.0	71460	LEC	1A	TTh	03:30 - 04:45 pm	EECH	00103	Wu,C	
									Prerequisite: Comp Eng 2210 or equivalent. (Co-listed with Comp Eng 5230)	

CATALOG # AND COURSE TITLE	CREDIT	CLASS#	CMP	SEC	DAY	TIME	BLDG	ROOM	INSTRUCTOR
5310 Computational Intelligence Prerequisite: Graduate Standing. (Co-listed with Comp Eng 5310 and Sys Eng 5211)	3.0- 3.0	71367	LEC	1A	W	04:00 - 06:30 pm	TMH	00260	Corns,S
5330 Fuzzy Logic Control Prerequisite: Elec Eng 3320.	3.0- 3.0	81010	LEC	1A	CANCELLED				
5340 Advanced PLC Prerequisite: Elec Eng 3340.	3.0- 3.0		LEC	1A	MW	09:00 - 09:50 am	BCH	00213	Erickson,K
	3.0- 3.0	70541	LAB	3A	M	01:00 - 02:50 pm	EECH	00G22	Erickson,K
	3.0- 3.0	70542	LAB	3B	T	12:00 - 01:50 pm	EECH	00G22	Erickson,K
	3.0- 3.0	72454	LAB	3C	W	03:00 - 04:50 pm	EECH	00G22	Erickson,K
	3.0- 3.0	81060	LAB	3D	ARR	ARR	ARR		Erickson,K
5380 Autonomous Mobile Robots Prerequisites: Elec Eng 3320 or equivalent and Stat 3117 or equivalent.	3.0- 3.0	72163	LEC	1A	Th	04:00 - 06:30 pm	LIB	000G14	Dierks,T
5400 Digital Signal Processing II Prerequisites: Elec Eng 3410 or Elec Eng 3420.	3.0- 3.0	70543	LEC	1A	W	04:00 - 06:30 pm	BERTELS	00B12A	Zheng, Y
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	1A	MW	08:00 - 08:50 am	CS	00209	Zawodniok,M
	3.0- 3.0	80990	LAB	3A	F	08:00 - 08:50 am	CS	00209	Zawodniok,M
5440 Stochastic Signal Analysis I Prerequisites: Math 3304 and Elec Eng 2120.	3.0- 3.0	72962	LEC	1A	CANCELLED				
5450 Digital Image Processing Prerequisites: At least one of the following: Elec Eng 3400, Elec Eng 3410, Elec Eng 3420, or prior exposure to Fourier Transforms and consent of the instructor. (Co-listed with Comp Eng 5450)	3.0- 3.0	71759	LEC	1A	CANCELLED				
5510 Electric-Drive Vehicles Prerequisite: Senior standing and Physics 2135.	3.0- 3.0	72197	LEC	1A	TTh	09:30 - 10:45 am	EECH	00103	Ferdowski,M
									Field Trip Required
5520 Power Electronics Prerequisite: Elec Eng 3100.	3.0- 3.0	72081	LEC	1A	TTh	12:30 - 01:45 pm	TMH	00260	Ferdowski,M
5540 Power Systems Engineering Prerequisite: Elec Eng 3540.	3.0- 3.0	71474	LEC	1A	M	04:00 - 06:30 pm	BERTELS	00B12A	Crow,M
5600 Interference Control in Electronic Systems Prerequisites: Elec Eng 3400 and 3600.	3.0- 3.0	70544	LEC	1A	MWF	08:00 - 08:50 am	FUL	00107A	Beetner,D
5640 Antennas and Propagation Prerequisite: Elec Eng 3600.	3.0- 3.0	70545	LEC	1A	TTh	09:30 - 10:45 am	EECH	00104	Zoughi,R
5650 Microwave and Millimeter Wave Engineering and Design Prerequisites: Elec Eng 3600.	3.0- 3.0	81012	LEC	1A	TTh	08:00 - 09:15 am	EECH	00104	Donnell,K
6000 Special Problems	0.0- 6.0	70562	IND	6A	ARR	ARR	ARR		Crow,M
	0.0- 6.0	70563	IND	6B	ARR	ARR	ARR		Donnell,K
	0.0- 6.0	71291	IND	6C	ARR	ARR	ARR		Drewniak,J
	0.0- 6.0	70564	IND	6D	ARR	ARR	ARR		Fan,J
	0.0- 6.0	70565	IND	6E	ARR	ARR	ARR		Ferdowski,M
	0.0- 6.0	70568	IND	6F	ARR	ARR	ARR		
	0.0- 6.0	70566	IND	6G	ARR	ARR	ARR		Sarangapani,J
	0.0- 6.0	70567	IND	6H	ARR	ARR	ARR		Stanley,R
	0.0- 6.0	70569	IND	6J	ARR	ARR	ARR		Watkins,S
	0.0- 6.0	70570	IND	6K	ARR	ARR	ARR		Wu,C
	0.0- 6.0	70571	IND	6L	ARR	ARR	ARR		Xiao,C
	0.0- 6.0	71236	IND	6M	ARR	ARR	ARR		Zoughi,R
	0.0- 6.0	73137	IND	6N	ARR	ARR	ARR		
6001 Special Topics	3.0- 3.0	81013	LEC	1A	TTh	08:00 - 09:15 am	BERTELS	00B12A	Nauert,P
									Power System Protection II Prerequisite: Elec Eng 6560 or equivalent, or consent of instructor.

CATALOG # AND COURSE TITLE	CREDIT	CLASS#	CMP	SEC	DAY	TIME	BLDG	ROOM	INSTRUCTOR
	3.0- 3.0	81186	LEC	1B	W	07:00 - 09:30 pm	CS	00209	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)
	3.0- 3.0	81198	LEC	1C	TTh	03:30 - 04:45 pm	HYPOINT	00205	Fan,J
									Adv Signal & Power Integrity Prerequisite: Elec Eng 5620 or Comp Eng 5620. (Co-listed with Comp Eng 6001)
6040	0.0- 0.0	72403	IND	6A	ARR	ARR	ARR		
6050	1.0- 1.0	70602	IND	6A	ARR	ARR	ARR		Kim,C
									Doctoral students only. Graduate office permission required.
6085	0.0-15.0	70600	IND	6A	ARR	ARR	ARR		
									DE students only.
6099	0.0-15.0	72374	IND	6A	ARR	ARR	ARR		Acar,L
									Prerequisite: Consent of instructor.
	0.0-15.0	72375	IND	6B	ARR	ARR	ARR		Beetner,D
	0.0-15.0	72376	IND	6C	ARR	ARR	ARR		Cetinkaya,E
	0.0-15.0	72377	IND	6D	ARR	ARR	ARR		Crow,M
	0.0-15.0	72378	IND	6E	ARR	ARR	ARR		Donnell,K
	0.0-15.0	72379	IND	6F	ARR	ARR	ARR		Drewniak,J
	0.0-15.0	72380	IND	6G	ARR	ARR	ARR		Erickson,K
	0.0-15.0	72381	IND	6H	ARR	ARR	ARR		Fan,J
	0.0-15.0	72382	IND	6J	ARR	ARR	ARR		Ferdowsi,M
	0.0-15.0	72383	IND	6K	ARR	ARR	ARR		Ferguson,I
	0.0-15.0	72384	IND	6L	ARR	ARR	ARR		Khilkevich,V
	0.0-15.0	72385	IND	6M	ARR	ARR	ARR		Kim,C
	0.0-15.0	72386	IND	6N	ARR	ARR	ARR		Kimball,J
	0.0-15.0	72387	IND	6P	ARR	ARR	ARR		Kosbar,K
	0.0-15.0	72388	IND	6Q	ARR	ARR	ARR		Modares,H
	0.0-15.0	72389	IND	6R	ARR	ARR	ARR		
	0.0-15.0	72390	IND	6T	ARR	ARR	ARR		Pommerenke,D
	0.0-15.0	72391	IND	6U	ARR	ARR	ARR		Sarangapani,J
	0.0-15.0	72392	IND	6V	ARR	ARR	ARR		Sedighsarvestani,S
	0.0-15.0	72393	IND	6W	ARR	ARR	ARR		Shamsi,P
	0.0-15.0	72394	IND	6X	ARR	ARR	ARR		Stanley,R
	0.0-15.0	72395	IND	6Y	ARR	ARR	ARR		Watkins,S
	0.0-15.0	72396	IND	6Z	ARR	ARR	ARR		Wu,C
	0.0-15.0	72397	IND	6AA	ARR	ARR	ARR		Wunsch,D
	0.0-15.0	72398	IND	6BB	ARR	ARR	ARR		Xiao,C
	0.0-15.0	72399	IND	6CC	ARR	ARR	ARR		Zawodniok,M
	0.0-15.0	72400	IND	6DD	ARR	ARR	ARR		Zheng, Y
	0.0-15.0	72401	IND	6EE	ARR	ARR	ARR		Zoughi,R
	0.0-15.0	72402	IND	6FF	ARR	ARR	ARR		
	0.0-15.0	73237	IND	6GG	ARR	ARR	ARR		
	0.0-15.0	73261	IND	6HH	ARR	ARR	ARR		
	0.0-15.0	81112	IND	6JJ	ARR	ARR	ARR		Huang,J
	0.0-15.0	81257	IND	6KK	ARR	ARR	ARR		Hwang,C
6140	3.0- 3.0		LEC	1A	TTh	02:00 - 03:15 pm	HYPOINT	00205	Pommerenke,D
									Prerequisite: Graduate standing.
6260	3.0- 3.0	81016	LAB	3A	ARR	ARR	ARR		Pommerenke,D
									Prerequisite: Graduate standing.
6300	3.0- 3.0	71975	LAB	3A	CANCELLED				
6300	3.0- 3.0	70572	LEC	1A	TTh	12:30 - 01:45 pm	BCH	00213	Acar,L
									Prerequisite: Elec Eng 3320.
6350	3.0- 3.0	81017	LEC	1A	TTh	09:30 - 10:45 am	CS	00202	Sarangapani,J
									Prerequisite: Elec Eng 6300.
6525	3.0- 3.0	81018	LEC	1A	TTh	02:00 - 03:15 pm	EECH	00239	Kimball,J
									Prerequisite: Elec Eng 5520.
6530	3.0- 3.0	81019	LEC	1A	TTh	09:30 - 10:45 am	BERTELS	00B12B	Nauert,P
									Prerequisite: Stat 5643 or Elec Eng 5420.

Engineering Management

1100	1.0- 1.0	71554	LEC	1A	ARR	ARR	ARR		Grasman,K
	1.0- 1.0	71555	LEC	1B	ARR	ARR	ARR		Grasman,K

CATALOG # AND COURSE TITLE	CREDIT	CLASS#	CMP	SEC	DAY	TIME	BLDG	ROOM	INSTRUCTOR
1210 Economic Analysis of Engineering Projects	2.0- 2.0	71647	LEC	1A	ARR	ARR	ARR		Grasman,K
Prerequisites: Math 1214.									
No required classroom meetings other than common exams scheduled for September 28th and November 2nd from 6:00-8:00 pm.	2.0- 2.0	71537	LEC	1B	TTh	01:00 - 01:50 pm	BCH	00125	Grasman,K
2001 Special Topics	3.0- 3.0		LEC	1A		CANCELLED			
	3.0- 3.0	81046	LAB	3A		CANCELLED			
2002 Cooperative Engineering Training	0.0- 6.0	70603	IND	6A	ARR	ARR	ARR		Raper,S
2110 Managing Engineering And Technology	3.0- 3.0	71916	LEC	1A	TTh	09:30 - 10:45 am	EMGT	00103	Long,S
Prerequisite: A grade of "C" or better is required in this course to meet Engineering Management degree requirements.	3.0- 3.0	70604	LEC	1B	MWF	01:00 - 01:50 pm	EMGT	00201	Moradpour,S
2211 Engineering Accounting and Finance	3.0- 3.0	71620	LEC	1A	MWF	02:00 - 02:50 pm	IDE	00206	Hodges,S
Prerequisite: Eng Mgt 1210, or understanding of engineering economic principles.									
2310 Introduction to System Engineering	3.0- 3.0	72074	LEC	1A	TTh	08:00 - 09:15 am	EMGT	00102	Corns,S
Prerequisites: Math 1208 or Math 1214.									
3310 Operations and Production Management	3.0- 3.0	70607	LEC	1A	TTh	02:00 - 03:15 pm	BCH	00120	Sun,Z
Prerequisites: Eng Mgt 2110.	3.0- 3.0	81124	LEC	1B	TTh	02:00 - 03:15 pm	BCH	00121	Cardona Sepulveda,T
3320 Introduction to Project Management	3.0- 3.0	71451	LEC	1A	TTh	11:00 - 12:15 pm	TMH	00256	Schuman,J
Prerequisites: Junior or above standing.									
3510 Marketing Management	3.0- 3.0	70605	LEC	1A	MWF	01:00 - 01:50 pm	TMH	00295	Hodges,S
Prerequisites: Preceded or accompanied by Eng Mgt 2110.									
4000 Special Problems	0.0- 6.0	72152	IND	6A	ARR	ARR	ARR		Raper,S
4099 Undergraduate Research	0.0- 6.0	70614	IND	6A	ARR	ARR	ARR		Murray,S
	0.0- 6.0	70615	IND	6B	ARR	ARR	ARR		Raper,S
4110 General Management-Design and Integration	3.0- 3.0	70606	LEC	1A	TTh	11:00 - 12:15 pm	TMH	00250	Raper,S
Prerequisites: Eng Mgt 2210, 2211; preceded or accompanied by Eng Mgt 3310, 3320, 4710, and senior standing.									
4330 Human Factors	3.0- 3.0	70609	LEC	1A	TTh	09:30 - 10:45 am	EMGT	00102	Baker,D
Prerequisite: Psych 1101. (Co-listed with Psych 4710)									
4710 Quality	3.0- 3.0	71556	LEC	1A	TTh	02:00 - 03:15 pm	EMGT	00102	Cudney,E
Prerequisites: Stat 3115 or Stat 3117.									
4907 Engineering Management Senior Design	3.0- 3.0	71654	LEC	1A	MWF	12:00 - 12:50 pm	EMGT	00102	Raper,S
Prerequisites: Preceded or accompanied by Eng Mgt 4110.									
5001 Special Topics	3.0- 3.0	80980	LEC	1A	T	04:00 - 06:30 pm	BCH	00316	Bachman,B
Prerequisites: Senior or Graduate Standing.									
5110 Managerial Decision Making	3.0- 3.0	70610	LEC	1A	W	07:00 - 09:30 pm	TMH	00260	Spurlock,D
Prerequisite: Senior or graduate standing.									
5111 Management for Engineers and Scientists	3.0- 3.0	71439	LEC	1A	W	04:00 - 06:30 pm	BCH	00213	Spurlock,D
Prerequisite: Graduate standing.									
5210 Economic Decision Analysis	3.0- 3.0	70608	LEC	1A	W	04:00 - 06:30 pm	EECH	00239	Schuman,J
Prerequisite: Graduate students without previous course in engineering economy because of partial overlap.									
5212 Intelligent Investing	3.0- 3.0	72896	LEC	1A	TTh	02:00 - 03:15 pm	BERTELS	00B12B	Enke,D
Prerequisites: Senior or Graduate Standing.									
5316 Safety Engineering Management	3.0- 3.0	71374	LEC	1A	Th	07:00 - 09:30 pm	TMH	00260	Schmidt,M
Prerequisite: Senior or graduate standing.									
5320 Project Management	3.0- 3.0	70612	LEC	1A	T	04:00 - 06:30 pm	EECH	00239	Berry,R
Prerequisite: Graduate Standing.									
5330 Advanced Human Factors (Co-listed with PSYCH 5710)	3.0- 3.0	72296	LEC	1A	Th	07:00 - 09:30 pm	H-SS	00105	Baker,D

CATALOG # AND COURSE TITLE	CREDIT	CLASS#	CMP	SEC	DAY	TIME	BLDG	ROOM	INSTRUCTOR
5410 Industrial System Simulation Prerequisite: Stat 3115 or Stat 3117.	3.0- 3.0	71624	LEC	1A	TTh	03:30 - 04:45 pm	MCNT	00114	Gosavi,A
5412 Operations Management Science Prerequisites: Graduate standing.	3.0- 3.0	71295	LEC	1A	M	07:00 - 09:30 pm	CS	00209	Konur,D
5414 Introduction To Operations Research Prerequisite: Stat 3115 or Stat 3117.	3.0- 3.0	70613	LEC	1A	MWF	10:00 - 10:50 am	FUL	00220	Konur,D
5511 Technical Entrepreneurship Prerequisite: Senior or graduate standing.	3.0- 3.0	70611	LEC	1A	T	07:00 - 09:30 pm	EECH	00239	Bade,J
5514 Patent Law Prerequisite: Senior or graduate standing. (Co-listed with Chem Eng 4300)	3.0- 3.0	71373	LEC	1A	T	07:00 - 09:30 pm	BCH	00213	Canis,R
5710 Six Sigma Prerequisite: Graduate standing.	3.0- 3.0	71289	LEC	1A	TTh	12:30 - 01:45 pm	EECH	00239	Cudney,E
5711 Total Quality Management Prerequisite: Senior or graduate standing.	3.0- 3.0	71389	LEC	1A	W	07:00 - 09:30 pm	LIB	000G14	Bade,J
5713 Management And Methods In Reliability Prerequisite: Stat 3115, 3117, or 5643.	3.0- 3.0	80859	LEC	1A	CANCELLED				
6040 Oral Examination Student will be billed for one credit hour. Not required for students otherwise enrolled. Graduate office permission required.	0.0- 0.0	70618	IND	6A	ARR	ARR	ARR		Long,S
6050 Continuous Registration Doctoral students only. Graduate office permission required.	1.0- 1.0	70619	IND	6A	ARR	ARR	ARR		Long,S
6099 Research	0.0-15.0	72310	IND	6A	ARR	ARR	ARR		Corns,S
	0.0-15.0	72312	IND	6B	ARR	ARR	ARR		Cudney,E
	0.0-15.0	72313	IND	6C	ARR	ARR	ARR		Dagli,C
	0.0-15.0	72314	IND	6D	ARR	ARR	ARR		Enke,D
	0.0-15.0	72315	IND	6E	ARR	ARR	ARR		Gosavi,A
	0.0-15.0	72316	IND	6F	ARR	ARR	ARR		Grantham,K
	0.0-15.0	72317	IND	6G	ARR	ARR	ARR		Guardiola,I
	0.0-15.0	72318	IND	6H	ARR	ARR	ARR		Konur,D
	0.0-15.0	72319	IND	6J	ARR	ARR	ARR		Long,S
	0.0-15.0	72320	IND	6K	ARR	ARR	ARR		Murray,S
	0.0-15.0	72321	IND	6L	ARR	ARR	ARR		Qin,R
	0.0-15.0	72322	IND	6M	ARR	ARR	ARR		Raper,S
	0.0-15.0	81260	IND	6N	ARR	ARR	ARR		Sun,Z
6112 Leadership for Engineers Prerequisite: Eng Mgt 5110 or Psych 4602. (Co-listed with Psych 6611)	3.0- 3.0	71597	LEC	1A	ARR	ARR	ARR		Daughton,W
6211 Advanced Financial Management Prerequisite: Eng Mgt 1210 or 5210.	3.0- 3.0	71861	LEC	1A	Th	04:00 - 06:30 pm	TMH	00260	Qin,R
6212 Investment Prerequisite: Eng Mgt 1210 or 308. (Co-listed with Sys Eng 6612)	3.0- 3.0	70617	LEC	1A	W	04:00 - 06:30 pm	CS	00209	Qin,R
6213 Financial Engineering Prerequisites: Eng Mgt 1210 or 5210. (Co-listed with Sys Eng 6613)	3.0- 3.0	71399	LEC	1A	M	04:00 - 06:30 pm	LIB	000G14	Enke,D
6322 Case Studies in Project Management Prerequisite: Eng Mgt 5320 or equivalent.	3.0- 3.0	71485	LEC	1A	W	07:00 - 09:30 pm	EECH	00239	Hodges,S
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	71641	LEC	1A	M	04:00 - 06:30 pm	TMH	00260	Gosavi,A
6611 Lean Systems Prerequisite: Graduate standing.	3.0- 3.0	70616	LEC	1A	M	07:00 - 09:30 pm	BERTELS	00B12B	Lin,H

English

1120 Exposition And Argumentation	3.0- 3.0	70620	LEC	1A	MWF	08:00 - 08:50 am	H-SS	00203	Arthur,R
	3.0- 3.0	70621	LEC	1B	ARR	ARR	ARR		Chan,H
	3.0- 3.0	70622	LEC	1C	MWF	09:00 - 09:50 am	EMGT	00106	Goldberg,M

CATALOG # AND COURSE TITLE	CREDIT	CLASS#	CMP	SEC	DAY	TIME	BLDG	ROOM	INSTRUCTOR	
	3.0- 3.0	70623	LEC	1D	MWF	09:00 - 09:50 am	H-SS	00204	Arthur,R	
	3.0- 3.0	70624	LEC	1E	MWF	10:00 - 10:50 am	EMGT	00106	Goldberg,M	
	3.0- 3.0	70625	LEC	1F	MWF	10:00 - 10:50 am	MCNT	00245	Mankin,M	
	3.0- 3.0	70626	LEC	1G	MWF	11:00 - 11:50 am	EMGT	00102	Goldberg,M	
	3.0- 3.0	70627	LEC	1H	MWF	11:00 - 11:50 am	CS	00206	Dereberry,M	
	3.0- 3.0	70628	LEC	1J	MWF	01:00 - 01:50 pm	TMH	00251	Dereberry,M	
	3.0- 3.0	71265	LEC	1K	MWF	01:00 - 01:50 pm	CS	00204	Gilstrap,M	
	3.0- 3.0	71687	LEC	1L	MWF	02:00 - 02:50 pm	SHNK	00140	Dereberry,M	
	3.0- 3.0	72046	LEC	1M	MWF	02:00 - 02:50 pm	H-SS	000G8	Gilstrap,M	
	3.0- 3.0	71677	LEC	1N	MWF	03:00 - 03:50 pm	SHNK	00140	Arthur,R	
	3.0- 3.0	70629	LEC	1P	TTh	08:00 - 09:15 am	H-SS	00202	Mankin,M	
	3.0- 3.0	70630	LEC	1Q	TTh	09:30 - 10:45 am	H-SS	00203	Young,B	
	3.0- 3.0	70631	LEC	1R	TTh	09:30 - 10:45 am	H-SS	00103	Mankin,M	
	3.0- 3.0	70632	LEC	1T	TTh	11:00 - 12:15 pm	H-SS	00104	Tate,K	
	3.0- 3.0	71498	LEC	1U	TTh	12:30 - 01:45 pm	H-SS	00201	Wise,R	
	3.0- 3.0	71493	LEC	1V	TTh	02:00 - 03:15 pm	H-SS	000G8	Tate,K	
	3.0- 3.0	71688	LEC	1W	TTh	02:00 - 03:15 pm	H-SS	00203	Wise,R	
	3.0- 3.0	71805	LEC	1X	TTh	03:30 - 04:45 pm	H-SS	00204	Wise,R	
	3.0- 3.0	72766	LEC	1Y	ARR	ARR	ARR		Tate,K	
	3.0- 3.0	72767	LEC	1Z	MWF	03:00 - 03:50 pm	H-SS	00101	Gilstrap,M	
	3.0- 3.0	72768	LEC	1BB	MWF	12:00 - 12:50 pm	H-SS	00203	Ekstam,F	
	3.0- 3.0	72769	LEC	1CC	TTh	09:30 - 10:45 am	NOR	00208	Quinn,J	
	3.0- 3.0	72770	LEC	1DD	TTh	03:30 - 04:45 pm	H-SS	000G8	Young,B	
	3.0- 3.0	72788	LEC	1EE	TTh	12:30 - 01:45 pm	H-SS	00203	Young,B	
	3.0- 3.0	73108	LEC	1FF	TTh	05:00 - 06:15 pm	H-SS	000G7	Tran,T	
	3.0- 3.0	81213	LEC	1GG	ARR	ARR	ARR		Chan,H	
	3.0- 3.0	81219	LEC	1HH	ARR	ARR	ARR			
1160	Writing And Research Prerequisite: English 1120.	3.0- 3.0	70633	LEC	1A	MWF	02:00 - 02:50 pm	H-SS	00102	Larson,J
		3.0- 3.0	72037	LEC	1B	MWF	03:00 - 03:50 pm	H-SS	00102	Larson,J
		3.0- 3.0	71802	LEC	1C	MWF	11:00 - 11:50 am	H-SS	00102	Larson,J
		3.0- 3.0	72038	LEC	1D	MWF	01:00 - 01:50 pm	CSF	00114	Larson,J
		3.0- 3.0	70635	LEC	1E	TTh	11:00 - 12:15 pm	CS	00206	Schneider,R
		3.0- 3.0	70634	LEC	1F	TTh	12:30 - 01:45 pm	H-SS	00202	Schneider,R
		3.0- 3.0	71751	LEC	1G	TTh	02:00 - 03:15 pm	CS	00206	Schneider,R
1170	Creative Writing Prerequisite: English 1120.	3.0- 3.0	80892	LEC	1A	TTh	09:30 - 10:45 am	H-SS	000G8	Tate,K
1211	British Literature I: The Beginnings To 1800	3.0- 3.0	70636	LEC	1A	MWF	09:00 - 09:50 am	EMGT	00201	Schneider,R
1212	British Literature II 1800 To Present	3.0- 3.0	70637	LEC	1A	TTh	12:30 - 01:45 pm	EMGT	00201	Cotterill,A
1221	American Literature: 1600 To 1865	3.0- 3.0	70638	LEC	1A	MWF	10:00 - 10:50 am	CS	00207	Dolan,K
		3.0- 3.0	81232	LEC	1B	CANCELLED				
1222	American Literature: 1865 To Present	3.0- 3.0	70639	LEC	1A	MWF	01:00 - 01:50 pm	CS	00202	Goldberg,M
		3.0- 3.0	71462	LEC	1B	TTh	12:30 - 01:45 pm	CS	00216	Brown,T
		3.0- 3.0	81233	LEC	1C	TTh	08:00 - 09:15 am	H-SS	000G8	Brown,T
1600	Introduction to Technical Communication Prerequisite: English 1120. (Co-listed with TCH COM 1600)	3.0- 3.0	71199	LEC	1A	MWF	09:00 - 09:50 am	CS	00206	Dunstedter,L
		3.0- 3.0	71945	LEC	1B	MWF	11:00 - 11:50 am	CSF	00114	Roberson,E
		3.0- 3.0	72780	LEC	1C	MWF	10:00 - 10:50 am	CS	00206	Roberson,E
2000	Special Problems And Readings Prerequisite: Consent of instructor required.	0.0- 6.0	70644	IND	6A	ARR	ARR	ARR		Swenson,K
2002	Critical Approaches To Literature	3.0- 3.0	70645	LEC	1A	TTh	02:00 - 03:15 pm	CS	00205	Swenson,K
2230	Literature And Film Prerequisite: English 1120.	3.0- 3.0	71850	LEC	1A	TTh	09:30 - 10:45 am	H-SS	00201	Brown,T
2243	Science Fiction And Fantasy Literature Prerequisites: English 1120 and a semester of college literature.	3.0- 3.0	71592	LEC	1A	MW	09:00 - 09:50 am	H-SS	00201	Reardon,D
				LEC	1A	ARR	ARR	ARR		
2250	American Short Story Prerequisite: English 1120.	3.0- 3.0	80893	LEC	1A	TTh	12:30 - 01:45 pm	CS	00204	Drowne,K
2410	Theory Of Written Communication Prerequisites: English 1120 and a semester of college literature.	3.0- 3.0	72848	LEC	1A	CANCELLED				
2540	Layout And Design Prerequisite: English 1600 or TCH COM 1600. (Co-listed with TCH COM 2540)	3.0- 3.0	72236	LEC	1A	TTh	11:00 - 12:15 pm	BCH	00313	Kerwin,R

CATALOG # AND COURSE TITLE	CREDIT	CLASS#	CMP	SEC	DAY	TIME	BLDG	ROOM	INSTRUCTOR	
2560 Technical Marketing Communication Prerequisites: English 1600 or Tch Com 1600 or English 1160. (Co-listed with TCH COM 2560)	3.0- 3.0	72138	LEC	1A	MWF	08:00 - 08:50 am	CSF	00114	Roberson,E	
	3.0- 3.0	72125	LEC	1B	MWF	09:00 - 09:50 am	CSF	00114	Roberson,E	
3000 Special Problems Prerequisite: Consent of instructor required.	0.0- 6.0	70646	IND	6A	ARR	ARR	ARR		Cotterill,A	
	0.0- 6.0	72832	IND	6B	ARR	ARR	ARR		Swenson,K	
3170 Teaching And Supervising Reading and Writing Prerequisite: 6 hours of college level writing courses.	3.0- 3.0	72117	LEC	1A	MWF	11:00 - 11:50 am	H-SS	00204	Reardon,D	
3214 The Plays Of William Shakespeare Prerequisites: English 1120 and a semester of college literature.	3.0- 3.0	70647	LEC	1A	TTh	09:30 - 10:45 am	H-SS	00204	Cotterill,A	
3301 A Linguistic Study Of Modern English Prerequisite: English 1120.	3.0- 3.0	71676	LEC	1A	MWF	01:00 - 01:50 pm	BCH	00216	Hercula,S	
3560 Technical Writing Prerequisites: English 1120 and second-semester junior standing.	3.0- 3.0	70640	LEC	1A	MWF	09:00 - 09:50 am	BCH	00313	Covington,M	
	3.0- 3.0	70642	LEC	1B	MWF	10:00 - 10:50 am	MCNT	000B14	Covington,M	
	3.0- 3.0	70643	LEC	1C	MWF	02:00 - 02:50 pm	CSF	00114	Covington,M	
	3.0- 3.0	70641	LEC	1D	TTh	09:30 - 10:45 am	CSF	00114	Bratch,L	
	3.0- 3.0	73078	LEC	1E	ARR	ARR	ARR			
			UM Shared Course-Secondary							
4290 Texts And Contexts Prerequisites: English 1120 and a semester of college literature; junior standing.	3.0- 3.0	72527	LEC	1A	W	06:00 - 09:00 pm	EMGT	00111	Dolan,K	
			Communication Intensive							

Enterprise Resource Planning

2110 Introduction to Enterprise Resource Planning Prerequisite: IS&T 1750.	3.0- 3.0	71408	LEC	1A	MWF	11:00 - 11:50 am	BCH	00313	Chiu,Y
--------------------------------------------------------------------------------------	----------	-------	-----	----	-----	------------------	-----	-------	--------

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	73121	LEC	1A	MWF	09:00 - 09:50 am	FUL	00107A	Lea,B
-------------------------------------------------------------------------------------------------------------------------------------------------------------	----------	-------	-----	----	-----	------------------	-----	--------	-------

Enterprise Resource Planning

4610 Customer Relationship Management in ERP Environment Prerequisite: ERP 2110 or preceded or accompanied by ERP 5110.	3.0- 3.0	72234	LEC	1A	M	04:00 - 06:30 pm	FUL	00107A	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	71263	LEC	1A	TTh	09:30 - 10:45 am	FUL	00107A	Claybaugh,C
5310 Supply Chain Management Systems in an ERP Environment Prerequisite: ERP 2110 or preceded or accompanied by ERP 5110.	3.0- 3.0	71957	LEC	1A	W	04:00 - 06:30 pm	FUL	00107A	Lea,B
5410 Use of Business Intelligence Prerequisites: IS&T 3423 or equivalent; ERP 2110 or preceded or accompanied by ERP 5110.	3.0- 3.0	72098	LEC	1A	TTh	11:00 - 12:15 pm	FUL	00107A	Yu,W
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	72881	LEC	1A	MWF	09:00 - 09:50 am	FUL	00107A	Lea,B
6610 Advanced Customer Relationship Management in ERP Environment Prerequisite: ERP 2110 or preceded or accompanied by ERP 5110.	3.0- 3.0	72203	LEC	1A	M	04:00 - 06:30 pm	FUL	00107A	Claybaugh,C

Environmental Engineering

2601	Fundamentals Of Environmental Engineering and Science Prerequisites: Chem 1310, Chem 1301, or Chem 1351; Math 1214, Math 1212, or Math 1208. (Co-listed with Civ Eng 2601) All students in Env Eng 2601 are scheduled for common exams 5:00-6:00pm on Wed. Sept. 30th, and Nov. 11th.	3.0- 3.0	LEC	1A	MW	08:00 - 08:50 am	BCH	00209	Fitch,M	
		3.0- 3.0	LEC	1B	MW	11:00 - 11:50 am	BCH	00209	Wang,J	
		3.0- 3.0	71594	LAB	3A1	M	01:00 - 03:50 pm	BCH	00209	Fitch,M
		3.0- 3.0	71739	LAB	3A2	T	01:00 - 03:50 pm	BCH	00209	Fitch,M
		3.0- 3.0	72031	LAB	3B1	W	01:00 - 03:50 pm	BCH	00209	Wang,J
		3.0- 3.0	72032	LAB	3B2	Th	01:00 - 03:50 pm	BCH	00209	Wang,J
3615	Water And Wastewater Engineering Prerequisites: Civ Eng 2601 and at least junior standing. (Co-listed with Civ Eng 3615)	3.0- 3.0	71455	LEC	1A	TTh	11:00 - 12:15 pm	BCH	00209	Wang,J
4010	Senior Seminar: Engineering In A Global Society Prerequisite: Senior standing. (Co-listed with Civ Eng and Arch Eng 4010)	1.0- 1.0	70393	RSD	2A	W	12:00 - 12:50 pm	BCH	00120	Burken,J
4097	Senior Design Project Prerequisite: Civ Eng 4448 or Arch Eng 4448. (Co-listed with Arch Eng 4097 and Civ Eng 4097)	3.0- 3.0	71456	LEC	1A	M	01:00 - 03:50 pm	BCH	00123	
				LEC	1A	M	01:00 - 03:50 pm	BCH	00125	
				LEC	1A	M	01:00 - 03:50 pm	BCH	00122	Showalter,W
4099	Undergraduate Research	0.0- 6.0	71697	IND	6A	ARR	ARR	ARR		Burken,J
		0.0- 6.0	71740	IND	6B	ARR	ARR	ARR		Fitch,M
		0.0- 6.0	71741	IND	6C	ARR	ARR	ARR		Oerther,D
		0.0- 6.0	71742	IND	6D	ARR	ARR	ARR		Wang,J
		0.0- 6.0	71867	IND	6E	ARR	ARR	ARR		
4609	Research in Environmental Engineering Prerequisite: Senior standing.	1.0- 1.0	71370	LEC	1A	F	03:00 - 03:50 pm	BCH	00209	Burken,J
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	72990	LEC	1A	TTh	12:30 - 01:45 pm	FUL	00107A	Oerther,D
				LEC	1A	ARR	ARR	ARR		
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	71989	LEC	1A	TTh	09:30 - 10:45 am	BCH	00213	Fitch,M
6000	Special Problems	0.0- 6.0	70395	IND	6A	ARR	ARR	ARR		Burken,J
		0.0- 6.0	70396	IND	6B	ARR	ARR	ARR		Fitch,M
		0.0- 6.0	70394	IND	6C	ARR	ARR	ARR		Oerther,D
		0.0- 6.0	70397	IND	6D	ARR	ARR	ARR		Wang,J
		0.0- 6.0	71868	IND	6E	ARR	ARR	ARR		
		0.0- 6.0	70402	IND	6A	ARR	ARR	ARR		Burken,J
6040	Oral Examination Student will be billed for one credit hour. Not required for students otherwise enrolled. Graduate office permission required.	0.0- 0.0	70402	IND	6A	ARR	ARR	ARR		Burken,J
6099	Research	0.0-15.0	70399	IND	6A	ARR	ARR	ARR		Burken,J
		0.0-15.0	70400	IND	6B	ARR	ARR	ARR		Fitch,M
		0.0-15.0	70401	IND	6C	ARR	ARR	ARR		Morrison,G
		0.0-15.0	71192	IND	6D	ARR	ARR	ARR		Oerther,D
		0.0-15.0	71834	IND	6E	ARR	ARR	ARR		Wang,J
6600	Chemical Principles In Environmental Engineering Prerequisite: Graduate Standing. (Co-listed with Civ Eng 6600)	3.0- 3.0	71886	LEC	1A	MWF	11:00 - 11:50 am	BCH	00316	
6601	Biological Principles In Environmental Engineering Systems (Co-listed with Civ Eng 6601)	3.0- 3.0		LEC	1A	TTh	11:00 - 12:15 pm	LIB	000G14	Oerther,D
		3.0- 3.0	72566	LAB	3A	ARR	ARR	ARR		Oerther,D

Explosives Engineering

5612	Principles of Explosives Engineering	3.0- 3.0	LEC	1A	TTh	11:00 - 11:50 am	MCNT	00265	Worsey,P
	Prerequisites: Min Eng 2126; successful background check. (Co-listed with Min Eng 5612)	3.0- 3.0	71813	LAB	3A	T	01:00 - 03:50 pm	MINE	Worsey,P
		3.0- 3.0	71814	LAB	3B	W	01:00 - 03:50 pm	MINE	Worsey,P
		3.0- 3.0	72115	LAB	3C	Th	01:00 - 03:50 pm	MINE	Worsey,P
6000	Special Problems	1.0- 3.0	73065	IND	6A	ARR	ARR	ARR	Johnson,C
		1.0- 3.0	73066	IND	6B	ARR	ARR	ARR	Worsey,P
6070	Graduate Cooperative Experience	3.0- 3.0	71962	LAB	3A	ARR	ARR	ARR	Worsey,P
	Prerequisite: 12 hours Exp Eng coursework.	3.0- 3.0	73116	LAB	3B	ARR	ARR	ARR	Johnson,C
6080	Industry Project	3.0- 3.0	71932	LAB	3A	ARR	ARR	ARR	Worsey,P
	Prerequisite: 12 hours Exp Eng coursework.	3.0- 3.0	72802	LAB	3B	ARR	ARR	ARR	Johnson,C
		3.0- 3.0	73257	LAB	3C	ARR	ARR	ARR	Lusk,B
		3.0- 3.0	73258	LAB	3D	ARR	ARR	ARR	Perry,K
6099	Research	0.0-15.0	72041	IND	6A	ARR	ARR	ARR	Johnson,C
	Prerequisites: Consent of instructor required.	0.0-15.0	72042	IND	6B	ARR	ARR	ARR	Lusk,B
		0.0-15.0	73260	IND	6C	ARR	ARR	ARR	Perry,K
		0.0-15.0	80854	IND	6D	ARR	ARR	ARR	Worsey,P
6312	Scientific Instrumentation For Explosives Testing & Blasting	3.0- 3.0	LEC	1A	MW	11:00 - 11:50 am	EMGT	00106	Johnson,C
	Prerequisite: Exp Eng 5612 and Successful background check.	3.0- 3.0	72264	LAB	3A	M	01:30 - 04:00 pm	ARR	Johnson,C
6464	Advanced Blast Vibration Analysis and Prediction	3.0- 3.0	80855	LEC	1A	ARR	ARR	ARR	Lusk,B
	Prerequisite: Exp Eng 5612.								

Finance

2000	Special Problems	0.0- 6.0	71769	IND	6A	ARR	ARR	ARR	
2150	Corporate Finance I	3.0- 3.0	71586	LEC	1A	TTh	12:30 - 01:45 pm	BCH	00317 Zhang,H
	Prerequisites: Bus 1210 or Eng Mgt 2211.	3.0- 3.0	72755	LEC	1B	MWF	10:00 - 10:50 am	BCH	00317 Liu,Y
3000	Special Problems	0.0- 6.0	71770	IND	6A	ARR	ARR	ARR	
4099	Undergraduate Research	0.0- 6.0	71771	IND	6A	ARR	ARR	ARR	
5160	Corporate Finance II	3.0- 3.0	81086	LEC	1A	MWF	11:00 - 11:50 am	LIB	000G14 Liu,Y
	Prerequisite: Finance 2150.								

French

1101	Elementary French I	4.0- 4.0	70648	LEC	1A	MWF	10:00 - 10:50 am	H-SS	00202 Webster,C
	Prerequisite: Entrance requirements.			LEC	1A	ARR	ARR	ARR	
1102	Elementary French II	4.0- 4.0	73057	LEC	1A	MWF	01:00 - 01:50 pm	H-SS	00202 Webster,C
	Prerequisite: French 1101.			LEC	1A	ARR	ARR	ARR	
1180	Intermediate French	4.0- 4.0	80873	LEC	1A	MWF	02:00 - 02:50 pm	H-SS	00203 Webster,C
	Prerequisite: French 1102.			LEC	1A	ARR	ARR	ARR	
4001	Special Topics	3.0- 3.0	81033	LEC	1A	TTh	09:30 - 10:45 am	H-SS	000G7 Merfeld-Langston,A
									Francophone Literature
									Prerequisite: French 2170.

Freshman Engineering

1100	Study And Careers In Engineering	1.0- 1.0	70078	LEC	1A	T	11:00 - 11:50 am	MCNT	00204 Ludlow,D
		1.0- 1.0	70079	LEC	1B	T	01:00 - 01:50 pm	H-SS	000G5 Miller,F
		1.0- 1.0	70080	LEC	1C	W	11:00 - 11:50 am	H-SS	000G5 Ludlow,D
		1.0- 1.0	70081	LEC	1D	W	01:00 - 01:50 pm	H-SS	000G5 Miller,F
		1.0- 1.0	70082	LEC	1E	Th	11:00 - 11:50 am	MCNT	00204 Ludlow,D
		1.0- 1.0	70083	LEC	1F	Th	01:00 - 01:50 pm	H-SS	000G5 Miller,F
		1.0- 1.0	70076	LEC	1G	F	11:00 - 11:50 am	H-SS	000G5 Ludlow,D
		1.0- 1.0	70077	LEC	1H	F	01:00 - 01:50 pm	H-SS	000G5 Miller,F
		1.0- 1.0	71511	LEC	1J	T	11:00 - 11:50 am	MCNT	00204 Ludlow,D
		1.0- 1.0	71512	LEC	1K	T	01:00 - 01:50 pm	H-SS	000G5 Miller,F
		1.0- 1.0	71844	LEC	1L	W	11:00 - 11:50 am	H-SS	000G5 Ludlow,D
		1.0- 1.0	71845	LEC	1M	W	01:00 - 01:50 pm	H-SS	000G5 Miller,F
		1.0- 1.0	71846	LEC	1N	Th	11:00 - 11:50 am	MCNT	00204 Ludlow,D
		1.0- 1.0	71847	LEC	1P	Th	01:00 - 01:50 pm	H-SS	000G5 Miller,F
		1.0- 1.0	71848	LEC	1Q	F	11:00 - 11:50 am	H-SS	000G5 Ludlow,D
		1.0- 1.0	71849	LEC	1R	F	01:00 - 01:50 pm	H-SS	000G5 Miller,F
		1.0- 1.0	72411	LEC	1AA	M	11:00 - 11:50 am	PHYS	00104 Ludlow,D
		1.0- 1.0	72413	LEC	1BB	M	01:00 - 01:50 pm	H-SS	000G5 Miller,F
		1.0- 1.0	72412	LEC	1JJ	M	11:00 - 11:50 am	PHYS	00104 Ludlow,D

CATALOG # AND COURSE TITLE	CREDIT	CLASS#	CMP	SEC	DAY	TIME	BLDG	ROOM	INSTRUCTOR	
	1.0- 1.0	72414	LEC	1KK	M	01:00 - 01:50 pm	H-SS	000G5	Miller,F	
Geological Engineering										
1119	Physical and Environmental Geology Laboratory	1.0- 1.0	72870	LAB	3A	M	01:00 - 03:50 pm	MCNT	00316	Gertsch,L
	Prerequisite: Preceded or accompanied by Geology 1110. (Co-listed with Geology 1119)	1.0- 1.0	72871	LAB	3B	T	12:30 - 03:15 pm	MCNT	00312	Gertsch,L
		1.0- 1.0	72872	LAB	3C	Th	02:00 - 04:50 pm	MCNT	00316	Gertsch,L
		1.0- 1.0	81069	LAB	3D	W	01:00 - 03:50 pm	MCNT	00316	Gertsch,L
1150	Physical and Environmental Geology	3.0- 3.0	71197	LEC	1A	MWF	12:00 - 12:50 pm	TMH	00199	Gertsch,L
	Prerequisite: Entrance requirements. (Co-listed with Geology 1110)	3.0- 3.0	81204	LEC	1B	MWF	12:00 - 12:50 pm	TMH	00249	Gertsch,L
2000	Special Problems	0.0- 6.0	70649	IND	6A	ARR	ARR	ARR		Maerz,N
	Prerequisite: Consent of instructor required.									
3148	Fundamentals Of Geographic Information Systems	3.0- 3.0		LEC	1A	TTh	11:00 - 11:50 am	MCNT	00216	Bridges,D
	(Co-listed with Geology 3811)	3.0- 3.0	70651	LAB	3A	Th	12:30 - 03:15 pm	MCNT	000B14	Bridges,D
		3.0- 3.0	72759	LAB	3B	Th	03:30 - 06:15 pm	MCNT	000B14	Bridges,D
4000	Special Problems	0.0- 6.0	70652	IND	6A	ARR	ARR	ARR		Gertsch,L
	Prerequisite: Consent of instructor required.	0.0- 6.0	70653	IND	6B	ARR	ARR	ARR		
4010	Current Topics and Professionalism	0.5- 0.5	70654	RSD	2A	W	04:00 - 04:50 pm	MCNT	00204	Grote,K
	Prerequisite: Senior standing.									
4099	Undergraduate Research	0.0- 6.0	70659	IND	6A	ARR	ARR	ARR		Grote,K
		0.0- 6.0	72874	IND	6B	ARR	ARR	ARR		Guggenberger,J
		0.0- 6.0	72875	IND	6C	ARR	ARR	ARR		
5001	Special Topics	3.0- 3.0		LEC	1A	ARR	ARR	ARR		Grote,K
	Water Research Methods									
	Prerequisites: Geo Eng 1150; cumulative GPA of at least 3.0 or consent of instructor.									
	Field Trip Required									
		3.0- 3.0	81173	LAB	3A	ARR	ARR	ARR		Grote,K
	Water Research Methods									
	Field Trip Required									
5085	Internship	0.0-15.0	70670	IND	6A	ARR	ARR	ARR		
	DE students only.									
5090	Geological Engineering Design	3.0- 3.0		LEC	1A	TTh	11:00 - 11:50 am	MCNT	000B10	Rogers,J
	Prerequisite: To be taken the semester before graduation.	3.0- 3.0	70657	LAB	3A	Th	02:00 - 04:50 pm	MCNT	000B10	Rogers,J
5099	Research	0.0-15.0	70665	IND	6A	ARR	ARR	ARR		Anderson,N
	Prerequisite: Consent of instructor required.	0.0-15.0	70666	IND	6B	ARR	ARR	ARR		Cawfield,J
		0.0-15.0	70667	IND	6C	ARR	ARR	ARR		Gertsch,L
		0.0-15.0	70668	IND	6D	ARR	ARR	ARR		Grote,K
		0.0-15.0	71660	IND	6E	ARR	ARR	ARR		Guggenberger,J
		0.0-15.0	70669	IND	6F	ARR	ARR	ARR		Maerz,N
		0.0-15.0	72540	IND	6G	ARR	ARR	ARR		Rogers,J
		0.0-15.0	72876	IND	6H	ARR	ARR	ARR		
5211	Introduction to International Engineering and Design Lab	1.0- 1.0	71671	LAB	3A	ARR	ARR	ARR		Guggenberger,J
	Prerequisites: Senior standing, instructor approval, accompanied by GEO ENG 5247.									
5237	Geological Aspects Of Hazardous Waste Management	3.0- 3.0	80860	LEC	1A	TTh	09:30 - 10:45 am	MCNT	000B10	Guggenberger,J
	Prerequisite: Geo Eng 3175.									
5247	Introduction to International Engineering and Design	2.0- 2.0	71670	LEC	1A	MW	10:00 - 10:50 am	MCNT	00265	Guggenberger,J
	Prerequisites: Senior standing, instructor approval, accompanied by Geo Eng 5211.									
5331	Subsurface Hydrology	3.0- 3.0	72223	LEC	1A	MWF	08:00 - 08:50 am	BCH	00213	Grote,K
	Prerequisites: Geo Eng 1150, Math 3304.									
5441	Engineering Geology And Geotechnics	3.0- 3.0	70655	LEC	1A	M	04:00 - 06:30 pm	BCH	00213	Rogers,J
	Prerequisite: Geo Eng 3175.									
5471	Rock Engineering	3.0- 3.0	70658	LEC	1A	T	04:00 - 06:30 pm	TMH	00260	Maerz,N
	Prerequisite: Geo Eng 3175.			LEC	1A	ARR	ARR	ARR		

CATALOG # AND COURSE TITLE	CREDIT	CLASS#	CMP	SEC	DAY	TIME	BLDG	ROOM	INSTRUCTOR
5736 Geophysical Field Methods Prerequisite: Junior level standing or higher. (Co-listed with Geophys 5736)	3.0- 3.0		LEC	1A	MW	09:00 - 09:50 am	MCNT	00243	Torgashov,E
			Field Trip Required						
	3.0- 3.0	71549	LAB	3A	W	01:00 - 02:50 pm	MCNT	000B14	Torgashov,E
			Field Trip Required						
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	1A	MW	12:00 - 12:50 pm	CS	00209	Anderson,N
	3.0- 3.0	71491	LAB	3A	M	02:00 - 02:50 pm	CS	00209	Anderson,N
6000 Special Problems Prerequisite: Consent of instructor required.	0.0- 6.0	70660	IND	6A	ARR	ARR	ARR		Anderson,N
	0.0- 6.0	70661	IND	6B	ARR	ARR	ARR		Cawfield,J
	0.0- 6.0	70662	IND	6C	ARR	ARR	ARR		Gertsch,L
	0.0- 6.0	70663	IND	6D	ARR	ARR	ARR		Grote,K
	0.0- 6.0	71551	IND	6E	ARR	ARR	ARR		Guggenberger,J
	0.0- 6.0	71552	IND	6F	ARR	ARR	ARR		Maerz,N
	0.0- 6.0	72877	IND	6G	ARR	ARR	ARR		Rogers,J
	0.0- 6.0	72878	IND	6H	ARR	ARR	ARR		
6010 Seminar	1.0- 1.0	70664	RSD	2A	W	04:00 - 04:50 pm	MCNT	00204	Grote,K
6040 Oral Examination Student will be billed for one credit hour. Not required for students otherwise enrolled. Graduate office permission required.	0.0- 0.0	70671	IND	6A	ARR	ARR	ARR		Rogers,J
6050 Continuous Registration Doctoral students only. Graduate office permission required.	1.0- 1.0	70672	IND	6A	ARR	ARR	ARR		Rogers,J
6099 Research	0.0-15.0	81111	IND	6A	ARR	ARR	ARR		Maerz,N
6477 Discontinuous Rock Prerequisite: Min Eng 4823 or Geo Eng 5471.	3.0- 3.0	71872	LEC	1A	M	07:00 - 09:30 pm	BCH	00213	Maerz,N
			LEC	1A	ARR	ARR	ARR		

Geology

1110 Physical And Environmental Geology Prerequisite: Entrance requirements. (Co-listed with Geo Eng 1150)	3.0- 3.0	70673	LEC	1A	MWF	12:00 - 12:50 pm	TMH	00199	Gertsch,L
			Field Trip Required						
	3.0- 3.0	81205	LEC	1B	MWF	12:00 - 12:50 pm	TMH	00249	Gertsch,L
1119 Physical and Environmental Geology Laboratory Prerequisite: Preceded or accompanied by Geology 1110. (Co-listed with Geo Eng 1119)	1.0- 1.0	71469	LAB	3A	M	01:00 - 03:50 pm	MCNT	00316	Gertsch,L
	1.0- 1.0	72633	LAB	3B	T	12:30 - 03:15 pm	MCNT	00312	Gertsch,L
	1.0- 1.0	72634	LAB	3C	Th	02:00 - 04:50 pm	MCNT	00316	Gertsch,L
	1.0- 1.0	81070	LAB	3D	W	01:00 - 03:50 pm	MCNT	00316	Gertsch,L
2610 Mineralogy And Crystallography Prerequisites: Chem 1310 and Chem 1319.	4.0- 4.0		LEC	1A	MWF	11:00 - 11:50 am	MCNT	00210	Wronkiewicz,D
	4.0- 4.0	70675	LAB	3A	Th	02:00 - 04:45 pm	MCNT	00108	Wronkiewicz,D
	4.0- 4.0	71822	LAB	3B	Th	11:00 - 01:45 pm	MCNT	00108	Wronkiewicz,D
3000 Special Problems Prerequisite: Consent of instructor.	0.0- 6.0	70676	IND	6A	ARR	ARR	ARR		Hogan,J
3310 Structural Geology Prerequisite: Geology 1110 or Geo Eng 1150.	3.0- 3.0	70678	LEC	1A	MWF	09:00 - 09:50 am	BCH	00124	
			Field Trip Required						
			LEC	1A	MWF	09:00 - 09:50 am	BCH	00125	Hogan,J
			Field Trip Required						
3319 Structural Geology Lab Prerequisites: Preceded or accompanied by GEOLOGY 3310.	1.0- 1.0	72630	LAB	3A	T	12:30 - 03:20 pm	MCNT	00308	Hogan,J
	1.0- 1.0	72631	LAB	3B	W	01:00 - 03:50 pm	MCNT	00308	Hogan,J
	1.0- 1.0	72632	LAB	3C	Th	12:30 - 03:20 pm	MCNT	00308	Hogan,J
3511 Introduction to Mineral Deposits Prerequisites: Geology 1110 and Geology 2610.	3.0- 3.0	70679	LEC	1A	MW	05:00 - 06:15 pm	MCNT	00312	Locmelis,M
			Field Trip Required						
3631 Systematic Paleontology Prerequisite: Geology 1110 or Geology 1120 or Bio Sci 1113.	3.0- 3.0		LEC	1A	MW	10:00 - 10:50 am	MCNT	00309	Oboh Ikuenobe,F
	3.0- 3.0	80863	LAB	3A	W	01:00 - 03:50 pm	MCNT	00309	Oboh Ikuenobe,F
3811 Fundamentals Of Geographic Information Systems (Co-listed with Geo Eng 3148)	3.0- 3.0		LEC	1A	TTh	11:00 - 11:50 am	MCNT	00216	Bridges,D
	3.0- 3.0	71479	LAB	3A	Th	12:30 - 03:15 pm	MCNT	000B14	Bridges,D
	3.0- 3.0	72636	LAB	3B	Th	03:30 - 06:15 pm	MCNT	000B14	Bridges,D
4000 Special Problems Prerequisite: Consent of instructor required.	0.0- 6.0	70680	IND	6A	ARR	ARR	ARR		Hogan,J
	0.0- 6.0	70681	IND	6B	ARR	ARR	ARR		
4010 Seminar Prerequisite: Senior standing.	0.0- 6.0	70677	RSD	2A	Th	12:30 - 01:20 pm	MCNT	00206	
			RSD	2A	M	04:00 - 04:50 pm	MCNT	00204	Obrist Famer,J

CATALOG # AND COURSE TITLE	CREDIT	CLASS#	CMP	SEC	DAY	TIME	BLDG	ROOM	INSTRUCTOR
4099 Undergraduate Research	0.0- 6.0	70684	IND	6A	ARR	ARR	ARR		Hogan,J
	0.0- 6.0	70685	IND	6B	ARR	ARR	ARR		Locmelis,M
	0.0- 6.0	70686	IND	6C	ARR	ARR	ARR		Oboh Ikuenobe,F
	0.0- 6.0	70687	IND	6D	ARR	ARR	ARR		Obrist Farner,J
	0.0- 6.0	71895	IND	6E	ARR	ARR	ARR		Wronkiewicz,D
	0.0- 6.0	73202	IND	6F	ARR	ARR	ARR		Yang,W
4411 Hydrogeology Prerequisites: Geo Eng 1150 or Geology 1110, Geology 3620 recommended.	3.0- 3.0	73109	LEC	1A	MWF	08:00 - 08:50 am	BCH	00213	Grote,K
4451 Aqueous Geochemistry Prerequisite: Geology 3410.	3.0- 3.0	80864	LEC	1A	TTh	09:30 - 10:45 am	MCNT	00245	Wronkiewicz,D
5000 Special Problems	0.0- 6.0	70688	IND	6A	ARR	ARR	ARR		Hogan,J
5010 Seminar	0.0- 6.0	70689	RSD	2A	Th	12:30 - 01:20 pm	MCNT	00206	
			RSD	2A	M	04:00 - 04:50 pm	MCNT	00204	Obrist Farner,J
5040 Oral Examination Student will be billed for one credit hour. Not required for students otherwise enrolled. Graduate office permission required.	0.0- 0.0	70694	IND	6A	ARR	ARR	ARR		
5099 Research	0.0-15.0	70690	IND	6A	ARR	ARR	ARR		Hogan,J
	0.0-15.0	70691	IND	6B	ARR	ARR	ARR		Locmelis,M
	0.0-15.0	70692	IND	6C	ARR	ARR	ARR		Oboh Ikuenobe,F
	0.0-15.0	70693	IND	6D	ARR	ARR	ARR		Obrist Farner,J
	0.0-15.0	73201	IND	6E	ARR	ARR	ARR		Wronkiewicz,D
	0.0-15.0	73228	IND	6F	ARR	ARR	ARR		Yang,W
5513 Petroleum Geology Prerequisites: Geology 1110 or Geo Eng 1150; accompanied or preceded by both Geology 3310 and Geology 3620.	3.0- 3.0		LEC	1A	TTh	11:00 - 11:50 am	BCH	00125	Obrist Farner,J
	3.0- 3.0	70683	LAB	3A	T	02:00 - 04:15 pm	MCNT	00265	Obrist Farner,J
	3.0- 3.0	71912	LAB	3B	Th	02:00 - 04:15 pm	MCNT	00265	Obrist Farner,J
	3.0- 3.0	72058	LAB	3C	Th	06:00 - 08:15 pm	MCNT	00265	Obrist Farner,J
	3.0- 3.0	72443	LAB	3D	T	06:00 - 08:15 pm	MCNT	00265	Obrist Farner,J
5661 Advanced Stratigraphy and Basin Evolution Prerequisites: Geology 3620 and Geology 3310.	3.0- 3.0	72879	LEC	1A	TTh	11:00 - 12:15 pm	MCNT	00243	Yang,W
5741 Micropaleontology Prerequisite: Geology 3631.	3.0- 3.0		LEC	1A	MW	11:00 - 11:50 am	MCNT	00309	Oboh Ikuenobe,F
	3.0- 3.0	80866	LAB	3A	ARR	ARR	ARR		Oboh Ikuenobe,F
6050 Continuous Registration Doctoral students only. Graduate office permission required.	1.0- 1.0	70695	IND	6A	ARR	ARR	ARR		Gao,S
6321 Analytical Structural Geology Prerequisites: Geology 3310, Geophys 4096.	3.0- 3.0		LEC	1A	M	01:00 - 03:30 pm	ARR		Hogan,J
	3.0- 3.0	80868	LAB	3A	T	08:00 - 09:15 am	MCNT	000B14	Hogan,J
			LAB	3A	Th	09:30 - 10:45 am	MCNT	000B14	
6421 Environmental Geology Prerequisites: GEOLOGY 1110 or 1120 or equivalents.	3.0- 3.0	81235	LEC	1A	TTh	06:00 - 07:15 pm	BCH	00121	Tucker,R
6551 Ore Deposition Prerequisite: Geology 3511.	3.0- 3.0		LEC	1A	MW	05:00 - 05:50 pm	MCNT	00312	Locmelis,M
	3.0- 3.0	81133	LAB	3A	ARR	ARR	ARR		Locmelis,M
6621 Clastic Sedimentary Petrology Prerequisite: Geology 3620.	3.0- 3.0		LEC	1A	TTh	09:00 - 09:50 am			Yang,W
	3.0- 3.0	80940	LAB	3A	T	02:00 - 04:15 pm	MCNT	00108	Yang,W
6811 Sedimentary Basin Analysis Prerequisites: Geology 3310, 3620, 3410 or 4441 or 4451.	3.0- 3.0	72869	LEC	1A	TTh	11:00 - 12:15 pm	ARR		Yang,W

Geophysics

3210 Introduction to Geophysics Prerequisites: Math 1208 and Geology 1110.	3.0- 3.0	72617	LEC	1A	TTh	09:30 - 10:45 am	MCNT	00216	Gao,S
4000 Special Problems Prerequisite: Consent of instructor required.	0.0- 6.0	70696	IND	6A	ARR	ARR	ARR		Gao,S
4099 Undergraduate Research	0.0- 6.0	70697	IND	6A	ARR	ARR	ARR		Gao,S
	0.0- 6.0	70698	IND	6B	ARR	ARR	ARR		Liu,K
4231 Seismic Interpretation Prerequisites: Math 1208 or Math 1214; Geology 1110 or Geo Eng 1150.	3.0- 3.0		LEC	1A	MW	02:00 - 02:50 pm	EMGT	00103	Liu,K
	3.0- 3.0	71522	LAB	3A	T	03:00 - 04:50 pm	MCNT	000B14	Liu,K
	3.0- 3.0	72181	LAB	3B	W	03:00 - 04:50 pm	MCNT	000B14	Liu,K
	3.0- 3.0	72436	LAB	3C	F	03:00 - 04:50 pm	MCNT	000B14	Liu,K

CATALOG # AND COURSE TITLE	CREDIT	CLASS#	CMP	SEC	DAY	TIME	BLDG	ROOM	INSTRUCTOR
5000 Special Problems	3.0- 3.0	72800	LAB	3D	T	01:00 - 02:50 pm	MCNT	000B14	Liu,K
	0.0- 6.0	70699	IND	6A	ARR	ARR	ARR		Gao,S
	0.0- 6.0	70700	IND	6B	ARR	ARR	ARR		Liu,K
5010 Seminar	0.0- 6.0	70701	RSD	2A	Th	12:30 - 01:20 pm	MCNT	00206	
			RSD	2A	M	04:00 - 04:50 pm	MCNT	00204	Obrist Farner,J
5040 Oral Examination	0.0- 0.0	70705	IND	6A	ARR	ARR	ARR		
Student will be billed for one credit hour. Not required for students otherwise enrolled. Graduate office permission required.									
5099 Research	0.0-15.0	70702	IND	6A	ARR	ARR	ARR		Anderson,N
Prerequisite: Consent of instructor required.									
	0.0-15.0	70703	IND	6B	ARR	ARR	ARR		Atekwana,E
	0.0-15.0	70704	IND	6C	ARR	ARR	ARR		Gao,S
	0.0-15.0	71470	IND	6D	ARR	ARR	ARR		Liu,K
5261 Computational Geophysics	3.0- 3.0		LEC	1A	F	02:00 - 03:50 pm	MCNT	00114	Gao,S
Prerequisite: Geophys 3210.									
5736 Geophysical Field Methods	3.0- 3.0	72225	LAB	3A	ARR	ARR	ARR		Gao,S
Prerequisite: Junior level standing or higher. (Co-listed with Geo Eng 5736)									
	3.0- 3.0		LEC	1A	MW	09:00 - 09:50 am	MCNT	00243	Torgashov,E
Field Trip Required									
	3.0- 3.0	71407	LAB	3A	W	01:00 - 02:50 pm	MCNT	000B14	Torgashov,E
Field Trip Required									
5761 Transportation Applications of Geophysics	3.0- 3.0		LEC	1A	MW	12:00 - 12:50 pm	CS	00209	Anderson,N
Prerequisite: Junior level standing or higher. (Co-listed with Geo Eng 5761 and Civ Eng 5750)									
	3.0- 3.0	71488	LAB	3A	M	02:00 - 02:50 pm	CS	00209	Anderson,N
6040 Oral Examination	0.0- 0.0	72497	IND	6A	ARR	ARR	ARR		
6050 Continuous Registration	1.0- 1.0	70706	IND	6A	ARR	ARR	ARR		Gao,S
Doctoral students only. Graduate office permission required.									
6211 Advanced Seismic Interpretation	3.0- 3.0		LEC	1A	MW	11:00 - 11:50 am	MCNT	00312	Liu,K
Prerequisites: Geophys 3210 or Geophys 5202.									
	3.0- 3.0	73115	LAB	3A	F	11:00 - 11:50 am	MCNT	000B14	Liu,K
			LAB	3A	ARR	ARR	MCNT	000B14	

German

1101 Elementary German I	4.0- 4.0	70707	LEC	1A	MWF	10:00 - 10:50 am	CS	00205	Cohen,G
Prerequisite: Entrance requirements.									
			LEC	1A	Th	10:00 - 10:50 am	H-SS	00202	
1180 Classical And Modern German Readings	4.0- 4.0	70708	LEC	1A	MWThF	01:00 - 01:50 pm	MCNT	00245	Cohen,G
Prerequisite: German 1102.									
4000 Special Problems	0.0- 6.0	72350	IND	6A	MW	12:00 - 12:50 pm	H-SS	00204	Cohen,G
Prerequisite: Consent of instructor required.									

History

1100 Early Western Civilization	3.0- 3.0	71963	LEC	1A	MWF	02:00 - 02:50 pm	H-SS	00101	Bruening,M
	3.0- 3.0	80847	LEC	1B	MWF	03:00 - 03:50 pm	H-SS	00103	Bruening,M
1200 Modern Western Civilization	3.0- 3.0	80848	LEC	1A	MWF	10:00 - 10:50 am	H-SS	00101	Sheppard,K
	3.0- 3.0	70709	LEC	1B	TTh	11:00 - 12:15 pm	H-SS	00103	Rivera,J
	3.0- 3.0	71675	LEC	1C	TTh	12:30 - 01:45 pm	H-SS	00103	Rivera,J
	3.0- 3.0	81168	LEC	1D	TTh	12:30 - 01:45 pm	TMH	00249	Quinn,J
	3.0- 3.0	81169	LEC	1E	TTh	02:00 - 03:15 pm	TMH	00249	Quinn,J
1300 American History To 1877	3.0- 3.0	72168	LEC	1A	MWF	10:00 - 10:50 am	H-SS	00103	Ahmad,D
	3.0- 3.0	80849	LEC	1B	MWF	11:00 - 11:50 am	H-SS	00103	Ahmad,D
	3.0- 3.0	71589	LEC	1C	MW	01:00 - 01:50 pm	H-SS	00104	DeWitt,P
			LEC	1C	ARR	ARR	ARR		
	3.0- 3.0	71708	LEC	1D	TTh	12:30 - 01:45 pm	H-SS	00101	
	3.0- 3.0	72756	LEC	1E	TTh	02:00 - 03:15 pm	H-SS	00101	
1310 American History Since 1877	3.0- 3.0	70710	LEC	1A	TTh	09:30 - 10:45 am	H-SS	00101	Gragg,L
	3.0- 3.0	71453	LEC	1B	TTh	11:00 - 12:15 pm	H-SS	00101	Gragg,L
	3.0- 3.0	72417	LEC	1C	TTh	11:00 - 12:15 pm	H-SS	00201	Beattie,M
	3.0- 3.0	72747	LEC	1D	TTh	02:00 - 03:15 pm	H-SS	00103	Croft,D
	3.0- 3.0	71709	LEC	1E	TTh	03:30 - 04:45 pm	TMH	00250	Ketcherside,J
	3.0- 3.0	81211	LEC	1F	TTh	12:30 - 01:45 pm	SHNK	00139	Croft,D
1790 Introduction to History	1.0- 1.0	71766	LEC	1A	W	01:00 - 01:50 pm	H-SS	00101	Gragg,L
2221 Making of Modern Germany	3.0- 3.0	80884	LEC	1A	MWF	11:00 - 11:50 am	H-SS	00201	DeWitt,P
Prerequisite: History 1200 or History 1300 or History 1310.									

CATALOG # AND COURSE TITLE	CREDIT	CLASS#	CMP	SEC	DAY	TIME	BLDG	ROOM	INSTRUCTOR
2430 History of the American Pacific Prerequisite: History 1300 or History 1310 or History 1200.	3.0- 3.0	80885	LEC	1A	MWF	09:00 - 09:50 am	H-SS	00103	Ahmad,D
2790 Historiography Prerequisite: Sophomore standing.	3.0- 3.0	72857	LEC	1A	MW	03:00 - 03:50 pm	EMGT	00106	DeWitt,P
									Communication Intensive
			LEC	1A	ARR	ARR	ARR		
									Communication Intensive
3001 Special Topics	3.0- 3.0	80886	LEC	1A	MWF	11:00 - 11:50 am	H-SS	00101	Sheppard,K
									Hist of Science Latin America
									Prerequisite: History 1100 or History 1200 or History 1300 or History 1310.
3240 Contemporary Europe Prerequisite: History 1200 or History 1310.	3.0- 3.0	80887	LEC	1A	TTh	09:30 - 10:45 am	BCH	0320	Fogg,S
									Communication Intensive
3442 The United States in Vietnam Prerequisite: History 1310.	3.0- 3.0	71383	LEC	1A	Th	06:00 - 08:45 pm	H-SS	00101	McManus,J
3443 The American Military Experience Prerequisite: History 1200 or History 1300 or History 1310 or Pol Sci 1200.	3.0- 3.0	73003	LEC	1A	TTh	03:30 - 04:45 pm	H-SS	00101	McManus,J
3760 The American Presidency Prerequisite: Pol Sci 1200 or History 1310. (Co-listed with Pol Sci 3760)	3.0- 3.0	80888	LEC	1A	W	06:00 - 08:45 pm	H-SS	00101	Meagher,M
4000 Special Problems Prerequisite: Consent of instructor	0.0- 6.0	70711	IND	6A	ARR	ARR	ARR		Ahmad,D
	0.0- 6.0	70712	IND	6B	ARR	ARR	ARR		Bruening,M
	0.0- 6.0	70713	IND	6C	ARR	ARR	ARR		DeWitt,P
	0.0- 6.0	70714	IND	6D	ARR	ARR	ARR		Gragg,L
	0.0- 6.0	71287	IND	6E	ARR	ARR	ARR		McManus,J
	0.0- 6.0	71385	IND	6F	ARR	ARR	ARR		Schramm,J
	0.0- 6.0	72073	IND	6G	ARR	ARR	ARR		Sheppard,K
4001 Special Topics	3.0- 3.0	81167	LEC	1A	ARR	ARR	ARR		Schramm,J
									Guiding Dsgn Hist Preservation
									UM Shared Course-Secondary
4097 Senior Project Prerequisites: History 2790 and senior standing.	3.0- 3.0	72060	LEC	1A	ARR	ARR	ARR		Fogg,S
4145 The Reformation Prerequisite: History 1100 or History 1200.	3.0- 3.0	80889	LEC	1A	MWF	01:00 - 01:50 pm	H-SS	00203	Bruening,M

Info Science & Technology

1551 Implementing Information Systems: User Perspective	3.0- 3.0	70716	LEC	1A	MWF	08:00 - 08:50 am	TMH	00251	Hilgers,M
1552 Implementing Information Systems: Data Perspective Prerequisite: IS&T 1551.	3.0- 3.0	71558	LEC	1A	MWF	09:00 - 09:50 am	TMH	00251	Bates,C
1750 Introduction to Management Information Systems	3.0- 3.0		LEC	1A	MW	10:00 - 10:50 am	TMH	00251	Chiu,Y
	3.0- 3.0	70718	LAB	3A	F	10:00 - 10:50 am	TMH	00251	Chiu,Y
3000 Special Problems	0.0- 6.0	71314	IND	6A	ARR	ARR	ARR		Claybaugh,C
	0.0- 6.0	70722	IND	6B	ARR	ARR	ARR		Flachsbart,B
	0.0- 6.0	71310	IND	6C	ARR	ARR	ARR		Hall,R
	0.0- 6.0	71545	IND	6D	ARR	ARR	ARR		Hilgers,M
	0.0- 6.0	71952	IND	6E	ARR	ARR	ARR		Nah,F
	0.0- 6.0	72053	IND	6F	ARR	ARR	ARR		Yu,W
	0.0- 6.0	72067	IND	6G	ARR	ARR	ARR		
3420 Introduction to Data Science and Management Prerequisites: IS&T 1552 or Comp Sci 1510.	3.0- 3.0	72604	LEC	1A	MWF	11:00 - 11:50 am	CS	00204	Chen,L
3423 Database Management Prerequisites: IS&T 1750; IS&T 1552 or Comp Sci 1510.	3.0- 3.0	70720	LEC	1A	TTh	02:00 - 03:15 pm	H-SS	000G5	Flachsbart,B
4099 Undergraduate Research	0.0- 6.0	71223	IND	6A	ARR	ARR	ARR		Lea,B
	0.0- 6.0	71953	IND	6B	ARR	ARR	ARR		Nah,F
4261 Information Systems Project Management Prerequisites: IST 1552 or Comp Sci 1510; Senior Standing.	3.0- 3.0	72204	LEC	1A	T	07:00 - 09:30 pm	FUL	00107A	Flachsbart,B

CATALOG # AND COURSE TITLE	CREDIT	CLASS#	CMP	SEC	DAY	TIME	BLDG	ROOM	INSTRUCTOR
4450 Introduction to Information Visualization Prerequisites: Statistics, Calculus, and Programming Knowledge.	3.0- 3.0	72683	LEC	1A	MWF	10:00 - 10:50 am	FUL	00107A	Hilgers,M
4641 Electronic and Mobile Commerce Prerequisites: IS&T 1750 and at least Sophomore standing.	3.0- 3.0	72147	LEC	1A	MWF	01:00 - 01:50 pm	TMH	00260	Bates,C
4654 Web and Digital Media Development	3.0- 3.0	70719	LEC	1A	TTh	11:00 - 12:15 pm	CSF	00114	Hall,R
4680 Introduction to Web and New Media Studies Prerequisite: Junior or Senior standing.	3.0- 3.0	72016	LEC	1A	ARR	ARR	ARR		Hall,R
4780 Human and Organizational Factors in Cybersecurity	3.0- 3.0	81249	LEC	1A	TTh	12:30 - 01:45 pm	FUL	00220	Twyman,N
5000 Special Problems Consent of instructor required.	0.0- 6.0	70724	IND	6A	ARR	ARR	ARR		Hall,R
	0.0- 6.0	71820	IND	6B	ARR	ARR	ARR		Hilgers,M
	0.0- 6.0	71837	IND	6C	ARR	ARR	ARR		Yu,W
	0.0- 6.0	71954	IND	6D	ARR	ARR	ARR		
5001 Special Topics	3.0- 3.0	80905	LEC	1A	T	04:00 - 06:30 pm	BERTELS	00B12A	Canis,R
									Privacy & Info Security Law Prerequisite: Understanding of Management Information Systems.
5099 Research	0.0-15.0	70725	IND	6A	ARR	ARR	ARR		Flachsbart,B
	0.0-15.0	71221	IND	6B	ARR	ARR	ARR		Hall,R
	0.0-15.0	71228	IND	6C	ARR	ARR	ARR		Hilgers,M
	0.0-15.0	71504	IND	6D	ARR	ARR	ARR		Lea,B
	0.0-15.0	71387	IND	6E	ARR	ARR	ARR		Nah,F
	0.0-15.0	71775	IND	6F	ARR	ARR	ARR		Siau,K
	0.0-15.0	71824	IND	6G	ARR	ARR	ARR		Yu,W
5251 Technological Innovation Management and Leadership Prerequisite: Senior or Graduate Standing.	3.0- 3.0	70723	LEC	1A	M	07:00 - 09:30 pm	FUL	00107A	Nah,F
5423 Foundations of Data Management Prerequisites: IS&T 1750, IS&T 1552, and graduate standing.	3.0- 3.0	80938	LEC	1A	TTh	02:00 - 03:15 pm	H-SS	000G5	Flachsbart,B
5885 Human-Computer Interaction	3.0- 3.0	71530	LEC	1A	MWF	02:00 - 02:50 pm	TMH	00260	Bates,C
5886 Prototyping Human-Computer Interactions Prerequisite: Preceded or accompanied by IS&T 5885.	3.0- 3.0	71960	LEC	1A	TTh	09:30 - 10:45 am	EECH	00239	Twyman,N
6261 Advanced Information Systems Project Management Prerequisites: IS&T MS Entrance requirements, with strong programming knowledge.	3.0- 3.0	72205	LEC	1A	T	07:00 - 09:30 pm	FUL	00107A	Flachsbart,B
6443 Information Retrieval and Analysis Prerequisite: ERP 5410 or statistics knowledge.	3.0- 3.0	72100	LEC	1A	TTh	02:00 - 03:15 pm	FUL	00107A	Yu,W
6450 Information Visualization Prerequisites: Statistics, Calculus, and Programming Knowledge.	3.0- 3.0	72681	LEC	1A	MWF	10:00 - 10:50 am	FUL	00107A	Hilgers,M
6641 Advanced Electronic and Mobile Commerce Prerequisites: Knowledge of management information systems.	3.0- 3.0	72148	LEC	1A	MWF	01:00 - 01:50 pm	TMH	00260	Bates,C
6654 Advanced Web and Digital Media Development	3.0- 3.0	72441	LEC	1A	TTh	11:00 - 12:15 pm	CSF	00114	Hall,R
6680 Advanced Web and New Media Studies	3.0- 3.0	72323	LEC	1A	ARR	ARR	ARR		Hall,R
6780 Adv Human and Organizational Factors in Cybersecurity	3.0- 3.0	81250	LEC	1A	TTh	12:30 - 01:45 pm	FUL	00220	Twyman,N
6887 Research Methods in Business and IS&T (Co-listed with BUS 6887)	3.0- 3.0	71905	LEC	1A	Th	07:00 - 09:30 pm	FUL	00107A	Nah,F

Marketing

3000 Special Problems Prerequisite: Consent of instructor required.	0.0- 6.0	72054	IND	6A	ARR	ARR	ARR		Stanley,S
3110 Marketing	3.0- 3.0	71542	LEC	1A	MWF	01:00 - 01:50 pm	IDE	00105	Fukawa,N

CATALOG # AND COURSE TITLE	CREDIT	CLASS#	CMP	SEC	DAY	TIME	BLDG	ROOM	INSTRUCTOR
5000 Special Problems	3.0- 3.0	71959	LEC	1B	MWF	02:00 - 02:50 pm	IDE	00105	Fukawa,N
Prerequisite: Consent of instructor required.	0.0- 6.0	72789	IND	6A	ARR	ARR	ARR		Stanley,S
5310 Digital Marketing and Promotions	3.0- 3.0	72121	LEC	1A	TTh	02:00 - 03:15 pm	BERTELS	00B12A	Stanley,S
Prerequisites: At least Junior standing.									

Materials Science & Eng

5000 Special Problems	0.0- 6.0	71432	IND	6A	ARR	ARR	ARR		Moats,M
5001 Special Topics	3.0- 3.0	80949	LEC	1A	TTh	02:00 - 03:15 pm	MCNT	00216	Kumar,A
									Chemistry of Construction Mtrl
									Prerequisite: Senior or Graduate standing.
5010 Seminar	0.0- 6.0	71369	RSD	2A	Th	03:00 - 04:50 pm	MCNT	00204	Moats,M
5040 Oral Examination	0.0- 0.0	71428	IND	6A	ARR	ARR	ARR		Hilmas,G
5099 Research	0.0-15.0	71341	IND	6A	ARR	ARR	ARR		Anderson,H
	0.0-15.0	71342	IND	6B	ARR	ARR	ARR		Asle Zaeem,M
	0.0-15.0	71343	IND	6C	ARR	ARR	ARR		Brow,R
	0.0-15.0	71344	IND	6D	ARR	ARR	ARR		Day,D
	0.0-15.0	71345	IND	6E	ARR	ARR	ARR		Dogan,F
	0.0-15.0	71346	IND	6F	ARR	ARR	ARR		Drewniak,J
	0.0-15.0	71347	IND	6G	ARR	ARR	ARR		Fahrenheitz,W
	0.0-15.0	71348	IND	6H	ARR	ARR	ARR		Hilmas,G
	0.0-15.0	71349	IND	6J	ARR	ARR	ARR		Huebner,W
	0.0-15.0	71350	IND	6K	ARR	ARR	ARR		Lekakh,S
	0.0-15.0	71351	IND	6L	ARR	ARR	ARR		Miller,F
	0.0-15.0	71352	IND	6M	ARR	ARR	ARR		Moats,M
	0.0-15.0	71353	IND	6N	ARR	ARR	ARR		Newkirk,J
	0.0-15.0	71354	IND	6P	ARR	ARR	ARR		O'Keefe,M
	0.0-15.0	71355	IND	6R	ARR	ARR	ARR		Rahaman,M
	0.0-15.0	71356	IND	6T	ARR	ARR	ARR		Richards,V
	0.0-15.0	71357	IND	6U	ARR	ARR	ARR		Schlesinger,M
	0.0-15.0	71358	IND	6V	ARR	ARR	ARR		Smith,J
	0.0-15.0	71359	IND	6W	ARR	ARR	ARR		Switzer,J
	0.0-15.0	71360	IND	6X	ARR	ARR	ARR		Van Aken,D
	0.0-15.0	71361	IND	6Y	ARR	ARR	ARR		Watts,J
	0.0-15.0	71693	IND	6Z	ARR	ARR	ARR		Xing,Y
	0.0-15.0	72214	IND	6AA	ARR	ARR	ARR		Zhou,C
5220 Advanced Phase Equilibria	3.0- 3.0	71894	LEC	1A	MWF	10:00 - 10:50 am	MCNT	00212	Smith,J
Prerequisite: Graduate standing.									
5310 Biomaterials I	3.0- 3.0	73081	LEC	1A	TTh	12:30 - 01:45 pm	MCNT	00265	
Prerequisites: Senior undergraduate standing. (Co-listed with BIO SCI 5210, CHEM ENG 5200)									
6050 Continuous Registration	1.0- 1.0	71427	IND	6A	ARR	ARR	ARR		Moats,M
6099 Research	0.0-15.0	72705	IND	6A	ARR	ARR	ARR		Asle Zaeem,M
	0.0-15.0	72706	IND	6B	ARR	ARR	ARR		Bartlett,L
	0.0-15.0	72707	IND	6C	ARR	ARR	ARR		Brow,R
	0.0-15.0	72708	IND	6D	ARR	ARR	ARR		Day,D
	0.0-15.0	72709	IND	6E	ARR	ARR	ARR		Dogan,F
	0.0-15.0	72710	IND	6F	ARR	ARR	ARR		Drewniak,J
	0.0-15.0	72711	IND	6G	ARR	ARR	ARR		Fahrenheitz,W
	0.0-15.0	72712	IND	6H	ARR	ARR	ARR		Hilmas,G
	0.0-15.0	72713	IND	6J	ARR	ARR	ARR		Huebner,W
	0.0-15.0	72714	IND	6K	ARR	ARR	ARR		Kumar,A
	0.0-15.0	72715	IND	6L	ARR	ARR	ARR		Lekakh,S
	0.0-15.0	72716	IND	6M	ARR	ARR	ARR		Miller,F
	0.0-15.0	72717	IND	6N	ARR	ARR	ARR		Moats,M
	0.0-15.0	72718	IND	6P	ARR	ARR	ARR		Nath,M
	0.0-15.0	72719	IND	6Q	ARR	ARR	ARR		Newkirk,J
	0.0-15.0	72720	IND	6R	ARR	ARR	ARR		O'Keefe,M
	0.0-15.0	72721	IND	6T	ARR	ARR	ARR		O'Malley,R
	0.0-15.0	72722	IND	6U	ARR	ARR	ARR		Rahaman,M
	0.0-15.0	72723	IND	6V	ARR	ARR	ARR		Richards,V
	0.0-15.0	72724	IND	6W	ARR	ARR	ARR		Schlesinger,M
	0.0-15.0	72725	IND	6X	ARR	ARR	ARR		Smith,J
	0.0-15.0	72726	IND	6Y	ARR	ARR	ARR		Switzer,J

CATALOG # AND COURSE TITLE	CREDIT	CLASS#	CMP	SEC	DAY	TIME	BLDG	ROOM	INSTRUCTOR
6110 Bonding, Crystallography, and Structure-Property Relationships Prerequisite: Graduate standing, or undergraduate standing with instructor and advisor approval.	0.0-15.0	72751	IND	6Z	ARR	ARR	ARR		Van Aken,D
	0.0-15.0	73210	IND	6AA	ARR	ARR	ARR		Watts,J
	0.0-15.0	73221	IND	6BB	ARR	ARR	ARR		Xing,Y
	0.0-15.0	73225	IND	6CC	ARR	ARR	ARR		Zhou,C
	3.0- 3.0	72499	LEC	1A	MWF	11:00 - 11:50 am	MCNT	00245	Huebner,W
6310 Biomaterials II Prerequisite: Graduate Standing. (Co-listed with BIO SCI 6210, CHEM ENG 6300)	3.0- 3.0	73085	LEC	1A	TTh	12:30 - 01:45 pm	MCNT	00265	

Mathematics

1101 Introduction To Mathematics Required of Fall Semester Freshman Math Majors	1.0- 1.0	70726	LEC	1A	W	03:00 - 03:50 pm	ROLLA	000G4	Runnion,P	
1103 Fundamentals Of Algebra Prerequisite: Entrance requirements.	3.0- 3.0	70733	LEC	1A	MWF	08:00 - 08:50 am	CS	00205	Koob,K	
	3.0- 3.0	70734	LEC	1B	MWF	11:00 - 11:50 am	ROLLA	000G5	Koob,K	
	3.0- 3.0	71424	LEC	1C	MWF	11:00 - 11:50 am	SHNK	00126	Pleimann,L	
1110 Introduction To Mathematical Ideas Prerequisite: Two years high school mathematics.	3.0- 3.0	72018	LEC	1D	MWF	02:00 - 02:50 pm	TMH	00254	Wilkins,B	
	3.0- 3.0	81034	LEC	1A	MWF	10:00 - 10:50 am	NOR	00208	Kinder,K	
1120 College Algebra By placement exam. Sections E, F, G, H begin Oct 27th.	5.0- 5.0	70727	LEC	1A	MTWThF	08:00 - 08:50 am	BCH	00120	Maples,J	
	5.0- 5.0	71924	LEC	1B	MTWThF	11:00 - 11:50 am	CS	00202	Yeni,G	
	5.0- 5.0	70728	LEC	1C	MTWThF	11:00 - 11:50 am	FUL	00220	Shults,M	
	5.0- 5.0	70729	LEC	1D	MTWThF	02:00 - 02:50 pm	CS	00207	Chen-Murphy,X	
	5.0- 5.0	73162	LEC	1H	MTWThF	02:00 - 02:50 pm	CS	00216	Brigham,R	
1140 College Algebra Prerequisite: By placement examination. If enrolling in both Math 1140 & Math 1160, enroll in the same lettered section of both courses; e.g., a student registering for Math 1140 section A, must also register for Math 1160, section A. Final exam is scheduled Tues., Oct 24, 4:00-6:00 pm.	3.0- 3.0	70735	LEC	1A	MTWThF	08:00 - 08:50 am	MCNT	00211	Trick,M	
			See 'Notes' for Evening Exams							
	3.0- 3.0	70736	LEC	1B	MTWThF	08:00 - 08:50 am	CS	00203	Merk,T	
			See 'Notes' for Evening Exams							
	3.0- 3.0	72200	LEC	1C	MTWThF	08:00 - 08:50 am	CS	00207	Bailey,H	
			See 'Notes' for Evening Exams							
	3.0- 3.0	70737	LEC	1D	MTWThF	11:00 - 11:50 am	MCNT	00211	Bailey,H	
			See 'Notes' for Evening Exams							
	3.0- 3.0	70738	LEC	1E	MTWThF	11:00 - 11:50 am	CS	00203	Maples,J	
			See 'Notes' for Evening Exams							
1160 Trigonometry Prerequisite: Math 1120 or 1140 with a grade of "C" or better; or by placement exam. Sect A-G begin Oct. 26 for students enrolling in both Math 1140 & 1160. Enroll in the same lettered sect of both courses; E,G.,4A & 6A. Sections K, L, M, N, P begin Sept. 11 for students not enrolled in Math 1140.	3.0- 3.0	71443	LEC	1F	MTWThF	11:00 - 11:50 am	MCNT	00212	Hassan,J	
			See 'Notes' for Evening Exams							
	3.0- 3.0	70739	LEC	1G	MTWThF	02:00 - 02:50 pm	BERTELS	00B10	Runnion,P	
			See 'Notes' for Evening Exams							
	3.0- 3.0	73246	LEC	1H	CANCELLED					
	2.0- 2.0	70740	LEC	1A	ARR	ARR	ARR		Trick,M	
			Scheduled meeting times and room are same as Math 1140A.							
			See 'Notes' for Class Schedule							
	2.0- 2.0	70741	LEC	1B	ARR	ARR	ARR		Merk,T	
			Scheduled meeting times and room are same as Math 1140B.							
		See 'Notes' for Class Schedule								
2.0- 2.0	72201	LEC	1C	ARR	ARR	ARR		Bailey,H		
		Scheduled meeting times and room are same as Math 1140C.								
		See 'Notes' for Class Schedule								
2.0- 2.0	70742	LEC	1D	ARR	ARR	ARR		Bailey,H		
		Scheduled meeting times and room are same as Math 1140D.								
		See 'Notes' for Class Schedule								
2.0- 2.0	70743	LEC	1E	ARR	ARR	ARR		Maples,J		
		Scheduled meeting times and room are same as Math 1140E.								
		See 'Notes' for Class Schedule								

CATALOG # AND COURSE TITLE	CREDIT	CLASS#	CMP	SEC	DAY	TIME	BLDG	ROOM	INSTRUCTOR
	2.0- 2.0	71444	LEC	1F	ARR	ARR	ARR		
									Scheduled meeting times and room are same as Math 1140F. See 'Notes' for Class Schedule
	2.0- 2.0	70744	LEC	1G	ARR	ARR	ARR		Runnion,P
									Scheduled meeting times and room are same as Math 1140G. See 'Notes' for Class Schedule
	2.0- 2.0	70745	LEC	1K	MWF	08:00 - 08:50 am	MCNT	00212	Roeder,N
									By placement exam. Sections K, L, M, N, and P begin Sept. 11 and are for students not enrolled in Math 1140. Final exam in Math 1160 K, L, M, N, and P Thur., Nov. 16, 4:00-6:00 pm. See 'Notes' for Class Schedule
	2.0- 2.0	70746	LEC	1L	MWF	01:00 - 01:50 pm	BCH	00314	Roeder,N
									By placement exam. Sections K, L, M, N, and P begin Sept. 11 and are for students not enrolled in Math 1140. Final exam in Math 1160 K, L, M, N, and P Thur., Nov. 16, 4:00-6:00 pm. See 'Notes' for Class Schedule
	2.0- 2.0	71431	LEC	1M	MWF	02:00 - 02:50 pm	EECH	00101	Ong,V
									By placement exam. Sections K, L, M, N, and P begin Sept. 11 and are for students not enrolled in Math 1140. Final exam in Math 1160 K, L, M, N, and P Thur., Nov. 16, 4:00-6:00 pm. See 'Notes' for Class Schedule
	2.0- 2.0	72172	LEC	1N	MWF	01:00 - 01:50 pm	FUL	00227	Fitch,S Bailey,H
									By placement exam. Sections K, L, M, N, and P begin Sept. 11 and are for students not enrolled in Math 1140. Final exam in Math 1160 K, L, M, N, and P Thur., Nov. 16, 4:00-6:00 pm. See 'Notes' for Class Schedule
	2.0- 2.0	72221	LEC	1P	MWF	08:00 - 08:50 am	CSF	00G5E	Wang,L
									By placement exam. Sections K, L, M, N, and P begin Sept. 11 and are for students not enrolled in Math 1140. Final exam in Math 1160 K, L, M, N, and P Thur., Nov. 16, 4:00-6:00 pm. See 'Notes' for Class Schedule
1212	Business Calculus	4.0- 4.0	LEC	1A	MWF	02:00 - 02:50 pm	BCH	00314	Fitch,S
	Prerequisite: A grade of "C" or better in either 1120 or Math 1140; or by placement exam.	4.0- 4.0	LAB	3A1	TTh	02:00 - 02:50 pm	BCH	00314	Fitch,S
1214	Calculus For Engineers I	0.0- 0.0	LEC	1A	MWF	09:00 - 09:50 am	TMH	00199	Fitch,S
	Prerequisites: A grade of "C" or better in both Math 1160 and one of Math 1120 or Math 1140; or by placement exam. All students in Math 1214 are scheduled for exams at 5:00pm on Tues., Sept. 12; Tues., Oct. 10; Tues., Oct. 31; and Tues., Dec. 5. Students in Math 1214 must enroll in a lab first and then lecture.	0.0- 0.0	LEC	1B	MWF	10:00 - 10:50 am	TMH	00199	Sahan,S
		0.0- 0.0	LEC	1C	MWF	11:00 - 11:50 am	TMH	00199	Sahan,S
		0.0- 0.0	LEC	1D	MWF	12:00 - 12:50 pm	BCH	00125	Runnion,P
		4.0- 4.0	LAB	3A	T	08:00 - 09:15 am	ROLLA	000G5	
		4.0- 4.0	LAB	3B	T	09:30 - 10:45 am	ROLLA	000G5	
		4.0- 4.0	LAB	3C	T	09:30 - 10:45 am	CS	00204	
		4.0- 4.0	LAB	3D	T	11:00 - 12:15 pm	EECH	00112	
		4.0- 4.0	LAB	3E	T	12:30 - 01:45 pm	EECH	00104	
		4.0- 4.0	LAB	3F	T	12:30 - 01:45 pm	CS	00202	
		4.0- 4.0	LAB	3G	T	02:00 - 03:15 pm	EECH	00101	
		4.0- 4.0	LAB	3H	T	02:00 - 03:15 pm	ROLLA	000G5	

CATALOG # AND COURSE TITLE	CREDIT	CLASS#	CMP	SEC	DAY	TIME	BLDG	ROOM	INSTRUCTOR
	4.0- 4.0	72582	LAB	3J	Th	08:00 - 09:15 am	ROLLA	000G5	
									See 'Notes' for Evening Exams
	4.0- 4.0	72583	LAB	3K	Th	09:30 - 10:45 am	ROLLA	000G5	
									See 'Notes' for Evening Exams
	4.0- 4.0	72584	LAB	3L	Th	09:30 - 10:45 am	CS	00204	
									See 'Notes' for Evening Exams
	4.0- 4.0	72585	LAB	3M	Th	11:00 - 12:15 pm	EECH	00112	
									See 'Notes' for Evening Exams
	4.0- 4.0	72586	LAB	3N	Th	12:30 - 01:45 pm	EECH	00104	
									See 'Notes' for Evening Exams
	4.0- 4.0	72587	LAB	3P	Th	03:30 - 04:45 pm	BCH	00101	
									See 'Notes' for Evening Exams
	4.0- 4.0	72588	LAB	3Q	Th	02:00 - 03:15 pm	EECH	00101	
									See 'Notes' for Evening Exams
	4.0- 4.0	72589	LAB	3R	Th	02:00 - 03:15 pm	ROLLA	000G5	
									See 'Notes' for Evening Exams
	4.0- 4.0	72761	LAB	3T	T	06:00 - 07:15 pm	BCH	00216	
									See 'Notes' for Evening Exams
	4.0- 4.0	72762	LAB	3U	T	07:30 - 08:45 pm	BCH	00216	
									See 'Notes' for Evening Exams
	4.0- 4.0	72763	LAB	3V	Th	06:00 - 07:15 pm	BCH	00216	
									See 'Notes' for Evening Exams
	4.0- 4.0	72764	LAB	3W	Th	07:30 - 08:45 pm	BCH	00216	
									See 'Notes' for Evening Exams
1215	0.0- 0.0	72905	LEC	1A	MWF	09:00 - 09:50 am	BCH	00120	Ong,V
									See 'Notes' for Evening Exams
	0.0- 0.0	72906	LEC	1B	MWF	10:00 - 10:50 am	BCH	00125	Ong,V
									See 'Notes' for Evening Exams
	0.0- 0.0	72907	LEC	1C	MWF	01:00 - 01:50 pm	BCH	00120	Chen-Murphy,X
									See 'Notes' for Evening Exams
	0.0- 0.0	72908	LEC	1D	MWF	02:00 - 02:50 pm	SHNK	000G3	Kinder,K
									See 'Notes' for Evening Exams
	4.0- 4.0	72909	LAB	3A	T	08:00 - 09:15 am	CS	00205	
									See 'Notes' for Evening Exams
	4.0- 4.0	72910	LAB	3B	T	09:30 - 10:45 am	CS	00205	
									See 'Notes' for Evening Exams
	4.0- 4.0	72911	LAB	3C	T	11:00 - 12:15 pm	CS	00205	
									See 'Notes' for Evening Exams
	4.0- 4.0	72912	LAB	3D	T	12:30 - 01:45 pm	CS	00205	
									See 'Notes' for Evening Exams
	4.0- 4.0	72913	LAB	3E	T	02:00 - 03:15 pm	EECH	00103	
									See 'Notes' for Evening Exams
	4.0- 4.0	72914	LAB	3F	T	03:30 - 04:45 pm	CS	00205	
									See 'Notes' for Evening Exams
	4.0- 4.0	72915	LAB	3G	T	06:00 - 07:15 pm	CS	00205	
									See 'Notes' for Evening Exams
	4.0- 4.0	72916	LAB	3H	T	07:30 - 08:45 pm	CS	00205	
									See 'Notes' for Evening Exams
	4.0- 4.0	72917	LAB	3J	Th	08:00 - 09:15 am	CS	00205	
									See 'Notes' for Evening Exams
	4.0- 4.0	72918	LAB	3K	Th	09:30 - 10:45 am	CS	00205	
									See 'Notes' for Evening Exams
	4.0- 4.0	72919	LAB	3L	Th	11:00 - 12:15 pm	CS	00205	
									See 'Notes' for Evening Exams
	4.0- 4.0	72920	LAB	3M	Th	12:30 - 01:45 pm	CS	00205	
									See 'Notes' for Evening Exams
	4.0- 4.0	72921	LAB	3N	Th	02:00 - 03:15 pm	EECH	00103	
									See 'Notes' for Evening Exams
	4.0- 4.0	72922	LAB	3P	Th	12:30 - 01:45 pm	CS	00203	
									See 'Notes' for Evening Exams
	4.0- 4.0	72923	LAB	3Q	Th	06:00 - 07:15 pm	CS	00205	
									See 'Notes' for Evening Exams
	4.0- 4.0	72924	LAB	3R	Th	07:30 - 08:45 pm	CS	00205	
									See 'Notes' for Evening Exams
	4.0- 4.0	72925	LAB	3T	T	02:00 - 03:15 pm	EECH	00112	
									See 'Notes' for Evening Exams

CATALOG # AND COURSE TITLE	CREDIT	CLASS#	CMP	SEC	DAY	TIME	BLDG	ROOM	INSTRUCTOR
2222 Calculus with Analytic Geometry III Prerequisites: Math 1215 or Math 1221 with a grade of "C" or better. All students in Math 2222 are scheduled for exams at 5:00pm on Mon., Sept. 18; Mon., Oct. 16; Mon., Nov. 6, and Mon., Dec. 4. Students in Math 2222 must enroll in a lab first then a lecture.	4.0-4.0	72926	LAB	3U	T	03:30 - 04:45 pm	BCH	00101	
									See 'Notes' for Evening Exams
	4.0-4.0	72927	LAB	3V	Th	02:00 - 03:15 pm	EECH	00112	
									See 'Notes' for Evening Exams
	4.0-4.0	72928	LAB	3W	Th	02:00 - 03:15 pm	CS	00204	
									See 'Notes' for Evening Exams
	0.0-0.0	72929	LEC	1A	MWF	11:00 - 11:50 am	BCH	00125	Brigham,R
									See 'Notes' for Evening Exams
	0.0-0.0	72930	LEC	1B	MWF	12:00 - 12:50 pm	BERTELS	00B10	Roe,R
									See 'Notes' for Evening Exams
	0.0-0.0	72931	LEC	1C	MWF	01:00 - 01:50 pm	EECH	00G31	Charatonik,W
									See 'Notes' for Evening Exams
	4.0-4.0	72932	LAB	3A	T	08:00 - 09:15 am	CSF	00G5D	
									See 'Notes' for Evening Exams
	4.0-4.0	72933	LAB	3B	T	09:30 - 10:45 am	CSF	00G5E	
									See 'Notes' for Evening Exams
	4.0-4.0	72934	LAB	3C	T	11:00 - 12:15 pm	CSF	00G5D	
									See 'Notes' for Evening Exams
	4.0-4.0	72935	LAB	3D	T	12:30 - 01:45 pm	CSF	00G5E	
									See 'Notes' for Evening Exams
	4.0-4.0	72936	LAB	3E	T	02:00 - 03:15 pm	CSF	00G5D	
									See 'Notes' for Evening Exams
	4.0-4.0	72937	LAB	3F	T	03:30 - 04:45 pm	CSF	00G5D	
									See 'Notes' for Evening Exams
	4.0-4.0	72938	LAB	3G	T	06:00 - 07:15 pm	CSF	00G5D	
									See 'Notes' for Evening Exams
	4.0-4.0	72939	LAB	3H	T	07:30 - 08:45 pm	CSF	00G5D	
								See 'Notes' for Evening Exams	
4.0-4.0	72940	LAB	3J	Th	08:00 - 09:15 am	CSF	00G5D		
								See 'Notes' for Evening Exams	
4.0-4.0	72941	LAB	3K	Th	09:30 - 10:45 am	CSF	00G5E		
								See 'Notes' for Evening Exams	
4.0-4.0	72942	LAB	3L	Th	11:00 - 12:15 pm	CSF	00G5D		
								See 'Notes' for Evening Exams	
4.0-4.0	72943	LAB	3M	Th	12:30 - 01:45 pm	CSF	00G5E		
								See 'Notes' for Evening Exams	
4.0-4.0	72944	LAB	3N	Th	02:00 - 03:15 pm	CSF	00G5D		
								See 'Notes' for Evening Exams	
4.0-4.0	72945	LAB	3P	Th	03:30 - 04:45 pm	CSF	00G5D		
								See 'Notes' for Evening Exams	
4.0-4.0	72946	LAB	3Q	Th	06:00 - 07:15 pm	CSF	00G5D		
								See 'Notes' for Evening Exams	
4.0-4.0	72947	LAB	3R	Th	07:30 - 08:45 pm	CSF	00G5D		
								See 'Notes' for Evening Exams	
3000 Special Problems	0.0-6.0	70750	IND	6A	ARR	ARR	ARR		
3108 Linear Algebra I Prerequisite: Math 1215 or 1221 or 2222 with a grade of "C" or better.	3.0-3.0	70755	LEC	1A	MWF	08:00 - 08:50 am	ROLLA	000G5	Murphy,J
	3.0-3.0	71446	LEC	1B	MWF	09:00 - 09:50 am	ROLLA	000G5	Murphy,J
	3.0-3.0	71447	LEC	1C	MWF	01:00 - 01:50 pm	PHYS	00104	Clark,S
	3.0-3.0	70756	LEC	1D	MWF	02:00 - 02:50 pm	MCNT	00206	Insall,E
3109 Foundations Of Mathematics Prerequisite: Math 1215 or 1221 with a grade of "C" or better.	3.0-3.0	71279	LEC	1A	MWF	02:00 - 02:50 pm	ROLLA	000G5	Roe,R
									Communication Intensive
3304 Elementary Differential Equations Prerequisite: Math 2222 with a grade of "C" or better. All students in Math 3304 are scheduled for exams at 5:00pm on Thurs., Sept. 21, Thurs., Oct. 26, and Thurs., Nov. 30.	3.0-3.0	70751	LEC	1B	MWF	09:00 - 09:50 am	BCH	00121	Singler,J
	3.0-3.0	70752	LEC	1C	MWF	10:00 - 10:50 am	BCH	00216	Han,D
	3.0-3.0	71306	LEC	1D	MWF	10:00 - 10:50 am	EECH	00103	Hu,W
	3.0-3.0	70753	LEC	1E	MWF	11:00 - 11:50 am	BCH	00101	Le,V
	3.0-3.0	71920	LEC	1F	MWF	11:00 - 11:50 am	EMGT	00201	Akin,E
	3.0-3.0	71811	LEC	1H	MWF	01:00 - 01:50 pm	CSF	00G5E	Jiang,N
	3.0-3.0	71785	LEC	1J		CANCELLED			
	3.0-3.0	70754	LEC	1K	TTh	09:30 - 10:45 am	CSF	00G5D	Zhang,Y
	3.0-3.0	71445	LEC	1L	TTh	11:00 - 12:15 pm	ROLLA	000G5	Grow,D
	3.0-3.0	72173	LEC	1N	MWF	11:00 - 11:50 am	BCH	00216	Han,D
3922 Geometric Concepts for Elementary Teachers Prerequisites: Math 1120 or Math 1140. (Co-listed with Educ 3222)	3.0-3.0	72498	LEC	1A	TTh	11:00 - 12:15 pm	EMGT	00235	Welch,M

CATALOG # AND COURSE TITLE	CREDIT	CLASS#	CMP	SEC	DAY	TIME	BLDG	ROOM	INSTRUCTOR
4000 Special Problems	0.0- 6.0	70758	IND	6A	ARR	ARR	ARR		He,X
	0.0- 6.0	70757	IND	6B	ARR	ARR	ARR		Insall,E
	0.0- 6.0	72146	IND	6C	ARR	ARR	ARR		Roe,R
	0.0- 6.0	72491	IND	6D	ARR	ARR	ARR		
4099 Undergraduate Research	0.0- 6.0	71483	IND	6A	ARR	ARR	ARR		Charatonik,W
	0.0- 6.0	70764	IND	6B	ARR	ARR	ARR		Insall,E
	0.0- 6.0	71396	IND	6C	ARR	ARR	ARR		Roe,R
	0.0- 6.0	71897	IND	6D	ARR	ARR	ARR		
4209 Advanced Calculus I Prerequisite: Math 2222 and Math 3109, or a 4000-level or higher mathematics course, or graduate standing.	3.0- 3.0	70761	LEC	1A	MWF	02:00 - 02:50 pm	EECH	00111	Charatonik,W
4211 Advanced Calculus II Prerequisite: Math 4209.	3.0- 3.0	71757	LEC	1A	MWF	02:00 - 02:50 pm	MCNT	00210	Le,V
5040 Oral Examination Student will be billed for one credit hour. Not required for students otherwise enrolled. Graduate office permission required.	0.0- 0.0	70777	IND	6A	ARR	ARR	ARR		Clark,S
5105 Modern Algebra I Prerequisite: Math 3109 or graduate standing; preceded or accompanied by Math 3108.	3.0- 3.0	70760	LEC	1A	TTh	11:00 - 12:15 pm	ROLLA	000G4	Insall,E
5302 Intermediate Differential Equations Prerequisite: Math 3304 or Math 3329.	3.0- 3.0	70759	LEC	1A	MWF	09:00 - 09:50 am	IDE	000G4A	Akin,E
5325 Partial Differential Equations Prerequisite: Math 3304 with a grade of "C" or better.	3.0- 3.0	70762	LEC	1A	MWF	10:00 - 10:50 am	ROLLA	000G5	Jiang,N
5351 Introduction To Complex Variables Prerequisite: Math 3304.	3.0- 3.0	70763	LEC	1A	MWF	12:00 - 12:50 pm	ROLLA	000G4	Hu,W
5603 Methods of Applied Mathematics Prerequisites: Math 3304 or 3329 with a grade of "C" or better, programming competency.	3.0- 3.0	73000	LEC	1A	CANCELLED				
5604 Introduction to Numerical Methods for Differential Equations Prerequisites: MATH 3304 and programming competency (preferably Matlab).	3.0- 3.0	81074	LEC	1A	TTh	11:00 - 12:15 pm	H-SS	00203	Zhang,Y
5737 Financial Mathematics Prerequisites: Math 1215 or Math 1221, Econ 2100 or Econ 2200 or Finance 2150 or Finance 5160, Stat 3111 or Stat 3113 or Stat 3115 or Stat 3117 or Stat 5643. (Co-listed with Econ 5337)	3.0- 3.0	71425	LEC	1A	CANCELLED				
6000 Special Problems Prerequisite: Consent of instructor required.	0.0- 6.0	70767	IND	6A	ARR	ARR	ARR		Akin,E
	0.0- 6.0	70766	IND	6B	ARR	ARR	ARR		Bohner,M
	0.0- 6.0	70765	IND	6C	ARR	ARR	ARR		Grow,D
	0.0- 6.0	71786	IND	6D	ARR	ARR	ARR		Insall,E
6001 Special Topics	3.0- 3.0	81078	LEC	1A	MWF	10:00 - 10:50 am	SHNK	00140	He,X
Topics in PDE Prerequisite: Math 5325 or Math 6375 or Math 5604 or Math 6602.									
UM Shared Course-Secondary									
6010 Graduate Seminar Prerequisite: Graduate standing.	1.0- 3.0	71430	RSD	2A	ARR	ARR	ARR		Samaranayake,V
	1.0- 3.0	70768	RSD	2B	ARR	ARR	ARR		Bohner,M
	1.0- 3.0	70769	RSD	2C	ARR	ARR	ARR		He,X
6050 Continuous Registration Doctoral students only. Graduate Office permission required.	1.0- 1.0	70778	IND	6A	ARR	ARR	ARR		Clark,S
6099 Research Prerequisite: Consent of instructor required.	0.0-15.0	70770	IND	6A	ARR	ARR	ARR		Akin,E
	0.0-15.0	70775	IND	6B	ARR	ARR	ARR		Bohner,M
	0.0-15.0	70771	IND	6C	ARR	ARR	ARR		Charatonik,W
	0.0-15.0	70772	IND	6D	ARR	ARR	ARR		Grow,D
	0.0-15.0	70773	IND	6E	ARR	ARR	ARR		He,X
	0.0-15.0	70774	IND	6F	ARR	ARR	ARR		Insall,E
	0.0-15.0	71294	IND	6G	ARR	ARR	ARR		Jiang,N

CATALOG # AND COURSE TITLE	CREDIT	CLASS#	CMP	SEC	DAY	TIME	BLDG	ROOM	INSTRUCTOR	
	0.0-15.0	70776	IND	6H	ARR	ARR	ARR		Le,V	
	0.0-15.0	71433	IND	6J	ARR	ARR	ARR		Morgan,I	
	0.0-15.0	71704	IND	6K	ARR	ARR	ARR		Roe,R	
	0.0-15.0	71937	IND	6L	ARR	ARR	ARR		Singler,J	
	0.0-15.0	72444	IND	6M	ARR	ARR	ARR		Zhang,Y	
	0.0-15.0	73172	IND	6N	ARR	ARR	ARR			
6108 Applied Matrix Theory Prerequisites: Math 3103, 3108, or 5302.	3.0- 3.0	72948	LEC	1A	CANCELLED					
6215 Functions Of A Real Variable I Prerequisite: Math 5215.	3.0- 3.0	81077	LEC	1A	TTh	02:00 - 03:15 pm	ROLLA	000G4	Grow,D	
6330 Theory Of Differential Equations I Prerequisite: Math 5302.	3.0- 3.0	72949	LEC	1A	CANCELLED					
6417 Functional Analysis I Prerequisites: Math 5215 and (Math 5108 or Math 5585)	3.0- 3.0	81076	LEC	1A	MWF	11:00 - 11:50 am	ROLLA	000G4	Singler,J	
6585 Topology I Prerequisite: Math 5585.	3.0- 3.0	81075	LEC	1A	CANCELLED					
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	72616	LEC	1A	MWF	01:00 - 01:50 pm	SHNK	00140	He,X	
6802 Mathematical Physics I	3.0- 3.0	81058	LEC	1A	TTh	09:30 - 10:45 am	ARR		Hale,B	

Mechanical Engineering

1720 Introduction to Engineering Design Students must enroll in a lecture and a lab.	0.0- 0.0	71720	LEC	1A	M	08:00 - 08:50 am	EECH	00G31	Schmidt,J
									See 'Notes'-Additional Meeting
	0.0- 0.0	71721	LEC	1B	M	02:00 - 02:50 pm	EECH	00G31	Schmidt,J
									See 'Notes'-Additional Meeting
	0.0- 0.0	71723	LEC	1D	T	02:00 - 02:50 pm	BCH	00125	Schmidt,J
									See 'Notes'-Additional Meeting
	3.0- 3.0	71871	LAB	3A	W	08:00 - 08:50 am	CH	00105	Schmidt,J
									Additional lab time for software coverage will be by independent study.
									See 'Notes'-Additional Meeting
	3.0- 3.0	71724	LAB	3B	W	09:00 - 09:50 am	CH	00105	Schmidt,J
									Additional lab time for software coverage will be by independent study.
									See 'Notes'-Additional Meeting
	3.0- 3.0	71725	LAB	3C	W	10:00 - 10:50 am	CH	00105	Schmidt,J
									Additional lab time for software coverage will be by independent study.
									See 'Notes'-Additional Meeting
	3.0- 3.0	71726	LAB	3D	W	11:00 - 11:50 am	CH	00105	Schmidt,J
									Additional lab time for software coverage will be by independent study.
									See 'Notes'-Additional Meeting
	3.0- 3.0	71727	LAB	3E	W	01:00 - 01:50 pm	CH	00105	Schmidt,J
									Additional lab time for software coverage will be by independent study.
									See 'Notes'-Additional Meeting
	3.0- 3.0	71728	LAB	3F	W	02:00 - 02:50 pm	CH	00105	Schmidt,J
									Additional lab time for software coverage will be by independent study.
									See 'Notes'-Additional Meeting
	3.0- 3.0	71729	LAB	3H	F	09:00 - 09:50 am	CH	00105	Schmidt,J
									Additional lab time for software coverage will be by independent study.
									See 'Notes'-Additional Meeting
	3.0- 3.0	71730	LAB	3J	F	10:00 - 10:50 am	CH	00105	Schmidt,J
									Additional lab time for software coverage will be by independent study.
									See 'Notes'-Additional Meeting

CATALOG # AND COURSE TITLE	CREDIT	CLASS#	CMP	SEC	DAY	TIME	BLDG	ROOM	INSTRUCTOR	
	3.0- 3.0	71731	LAB	3K	F	11:00 - 11:50 am	CH	00105	Schmidt,J	
									Additional lab time for software coverage will be by independent study.	
									See 'Notes'-Additional Meeting	
	3.0- 3.0	71732	LAB	3L	F	01:00 - 01:50 pm	CH	00105	Schmidt,J	
									Additional lab time for software coverage will be by independent study.	
									See 'Notes'-Additional Meeting	
	3.0- 3.0	71733	LAB	3M	F	02:00 - 02:50 pm	CH	00105	Schmidt,J	
									Additional lab time for software coverage will be by independent study.	
									See 'Notes'-Additional Meeting	
2340	Statics and Dynamics	3.0- 3.0	70097	LEC	1A	MWF	03:00 - 03:50 pm	CS	00209	Buckholtz,K
									Prerequisites: A grade of "C" or better in Physics 1135 or Physics 1111; preceded or accompanied by Math 2222.	
2350	Engineering Mechanics-Dynamics	2.0- 2.0	70098	LEC	1A	TTh	09:30 - 10:20 am	TMH	00199	Hutcheson,R
									Prerequisites: A grade of "C" or better in each of Civ Eng 2200 and Math 2222.	
2360	Dynamics	3.0- 3.0	71266	LEC	1A	MWF	08:00 - 08:50 am	TMH	00254	Du,X
		3.0- 3.0	71267	LEC	1B	MWF	09:00 - 09:50 am	TMH	00254	Du,X
		3.0- 3.0	73021	LEC	1C	TTh	09:30 - 10:45 am	BERTELS	00112B	Kumar,N
				LEC	1C	TTh	09:30 - 10:45 am	BERTELS	00112A	Kumar,N
									(Co-listed with Aero Eng 2360)	
2519	Thermodynamics	3.0- 3.0	71999	LEC	1A	MWF	08:00 - 08:50 am	TMH	00250	Meeks,W
		3.0- 3.0	70794	LEC	1B	MWF	09:00 - 09:50 am	TMH	00250	Tsai,H
		3.0- 3.0	70795	LEC	1C	MWF	10:00 - 10:50 am	TMH	00250	Pan,H
		3.0- 3.0	70796	LEC	1D	MWF	11:00 - 11:50 am	TMH	00250	Pan,H
									Prerequisites: A grade of "C" or better in each of Comp Sci 1570 or Comp Sci 1970 or Comp Sci 1971 or Comp Sci 1972, Math 1214 (or Math 1208), Math 1215 (or Math 1221), Math 2222, and Physics 1135.	
2527	Thermal Analysis	3.0- 3.0	70799	LEC	1A	TTh	08:00 - 09:15 am	TMH	00199	Meeks,W
									Prerequisites: Math 1215 (or 1221), Physics 1135.	
2653	Introduction To Manufacturing Processes	3.0- 3.0		LEC	1A	TTh	11:00 - 11:50 am	TMH	00199	Schmid,K
		3.0- 3.0	70780	LAB	3A	M	01:00 - 03:30 pm	TMH	00176	Lewis,R
		3.0- 3.0	70781	LAB	3B	M	04:00 - 06:30 pm	TMH	00176	Lewis,R
		3.0- 3.0	70782	LAB	3C	T	08:15 - 10:45 am	TMH	00176	Lewis,R
									See 'Notes'-Additional Meeting	
		3.0- 3.0	70783	LAB	3D	T	12:00 - 02:30 pm	TMH	00176	Lewis,R Martin,M
		3.0- 3.0	70784	LAB	3F	T	03:00 - 05:30 pm	TMH	00176	Lewis,R
		3.0- 3.0	71380	LAB	3G	W	01:00 - 03:30 pm	TMH	00176	Lewis,R
		3.0- 3.0	70785	LAB	3H	Th	12:00 - 02:30 pm	TMH	00176	Lewis,R
		3.0- 3.0	71405	LAB	3J	Th	03:00 - 05:30 pm	TMH	00176	Lewis,R
		3.0- 3.0	71426	LAB	3K	F	01:00 - 03:30 pm	TMH	00176	Lewis,R
2761	Introduction To Design	3.0- 3.0		LEC	1AA	MW	03:00 - 03:50 pm	SHNK	000G3	Hutcheson,R
		3.0- 3.0	70787	LAB	3A	F	01:00 - 01:50 pm	ARR		Hutcheson,R
									Additional meeting time to be arranged.	
									See 'Notes'-Additional Meeting	
		3.0- 3.0	70788	LAB	3B	F	02:00 - 02:50 pm	ARR		Hutcheson,R
									Additional meeting time to be arranged.	
									See 'Notes'-Additional Meeting	
		3.0- 3.0	71508	LAB	3C	F	03:00 - 03:50 pm	ARR		Hutcheson,R
									Additional meeting time to be arranged.	
									See 'Notes'-Additional Meeting	
		3.0- 3.0	72771	LAB	3D	F	12:00 - 12:50 pm	ARR		Hutcheson,R
									Additional meeting time to be arranged.	
									See 'Notes'-Additional Meeting	
3002	Cooperative Engineering Training	0.0- 6.0	70789	IND	6A	ARR	ARR	ARR		Nisbett,J
3131	Thermofluid Mechanics I	3.0- 3.0	70800	LEC	1A	TTh	08:00 - 09:15 am	BERTELS	00112B	
				LEC	1A	TTh	08:00 - 09:15 am	BERTELS	00112A	Kumar,N
		3.0- 3.0	70801	LEC	1B	TTh	11:00 - 12:15 pm	TMH	00254	Wang,C
									Prerequisite: A grade of "C" or better in Mech Eng 2519.	

CATALOG # AND COURSE TITLE	CREDIT	CLASS#	CMP	SEC	DAY	TIME	BLDG	ROOM	INSTRUCTOR
3313 Machine Dynamics Prerequisites: A grade of "C" or better in each of Comp Sci 1570 or Comp Sci 1970 or Comp Sci 1971 or Comp Sci 1972, Mech Eng 2360 (or Aero Eng 2360), Math 1214 (or Math 1208), Math 1215 (or Math 1221), Math 2222, and Physics 1135.	3.0- 3.0	70792	LEC	1A	MWF	10:00 - 10:50 am	TMH	00295	Mac Sithigh,G
	3.0- 3.0	70793	LEC	1B	MWF	11:00 - 11:50 am	TMH	00295	Mac Sithigh,G
	3.0- 3.0	73219	LEC	1C	TTh	12:30 - 01:45 pm	TMH	00254	Hutcheson,R
3411 Modeling and Analysis of Dynamic Systems Prerequisites: A grade of "C" or better in each of Comp Sci 1570 or Comp Sci 1970 or Comp Sci 1971 or Comp Sci 1972, Mech Eng 2360 (or Aero Eng 2360), Math 1214 (or Math 1208), Math 1215 (or Math 1221), Math 2222, Math 3304, Physics 1135, Physics 2135.	3.0- 3.0	70790	LEC	1A	MWF	08:00 - 08:50 am	TMH	00199	Landers,R
	3.0- 3.0	70791	LEC	1B	MWF	10:00 - 10:50 am	CH	00104	Kumar,N
3521 Applied Thermodynamics Prerequisite: A grade of "C" or better in Mech Eng 2519.	3.0- 3.0	73026	LEC	1A	TTh	08:00 - 09:15 am	TMH	00295	Drallmeier,J
	3.0- 3.0	70797	LEC	1B	TTh	11:00 - 12:15 pm	TMH	00295	Koylu,U
	3.0- 3.0	81153	LEC	1C	TTh	08:00 - 09:15 am	TMH	00254	Han,D
3525 Heat Transfer Prerequisites: A grade of "C" or better in each of Comp Sci 1570 or Comp Sci 1970 or Comp Sci 1971 or Comp Sci 1972, Math 3304, Mech Eng 2519.	3.0- 3.0	70798	LEC	1A	MWF	09:00 - 09:50 am	CH	00104	Crosbie,A
	3.0- 3.0	72000	LEC	1B	MWF	01:00 - 01:50 pm	TMH	00199	Kinzel,E
3653 Manufacturing Prerequisites: Mech Eng 2653, Civ Eng 2211, and a grade of "C" or better in Civ Eng 2210.	3.0- 3.0	70809	LEC	1A	MWF	01:00 - 01:50 pm	TMH	00256	Okafor,A
	3.0- 3.0	72773	LEC	1B	TTh	02:00 - 03:15 pm	TMH	00256	Chen,L
3708 Machine Design I Prerequisites: Mech Eng 2653; accompanied or preceded by Mech Eng 2761; Met Eng 2110 or Aero Eng 3877; and a grade of "C" or better in Civ Eng 2210.	3.0- 3.0	72439	LEC	1A	TTh	09:30 - 10:45 am	FUL	00227	Dong,X
	3.0- 3.0	72440	LEC	1B	TTh	11:00 - 12:15 pm	H-SS	000G5	Park,J
	3.0- 3.0	81247	LEC	1C	TTh	09:30 - 10:45 am	H-SS	000G5	Park,J
4000 Special Problems	0.0- 6.0	70817	IND	6A	ARR	ARR	ARR		Hutcheson,R
	0.0- 6.0	71836	IND	6B	ARR	ARR	ARR		Nisbett,J
	0.0- 6.0	71860	IND	6C	ARR	ARR	ARR		
4099 Undergraduate Research	0.0- 6.0	70829	IND	6A	ARR	ARR	ARR		Bristow,D
	0.0- 6.0	70830	IND	6B	ARR	ARR	ARR		Carroll,D
	0.0- 6.0	70831	IND	6C	ARR	ARR	ARR		Chandrashekhara,K
	0.0- 6.0	70832	IND	6D	ARR	ARR	ARR		Crosbie,A
	0.0- 6.0	70833	IND	6E	ARR	ARR	ARR		Dharani,L
	0.0- 6.0	70834	IND	6F	ARR	ARR	ARR		Drallmeier,J
	0.0- 6.0	70835	IND	6G	ARR	ARR	ARR		Du,X
	0.0- 6.0	70836	IND	6H	ARR	ARR	ARR		Gao,J
	0.0- 6.0	70837	IND	6J	ARR	ARR	ARR		Homan,K
	0.0- 6.0	70838	IND	6K	ARR	ARR	ARR		Isaac,K
	0.0- 6.0	70839	IND	6L	ARR	ARR	ARR		Kinzel,E
	0.0- 6.0	70840	IND	6M	ARR	ARR	ARR		Krishnamurthy,K
	0.0- 6.0	70841	IND	6N	ARR	ARR	ARR		Landers,R
	0.0- 6.0	70842	IND	6P	ARR	ARR	ARR		Leu,M
	0.0- 6.0	70843	IND	6Q	ARR	ARR	ARR		Liou,F
	0.0- 6.0	70844	IND	6R	ARR	ARR	ARR		Midha,A
	0.0- 6.0	70845	IND	6T	ARR	ARR	ARR		Nisbett,J
	0.0- 6.0	70846	IND	6U	ARR	ARR	ARR		Okafor,A
	0.0- 6.0	70847	IND	6V	ARR	ARR	ARR		Pan,H
0.0- 6.0	70848	IND	6W	ARR	ARR	ARR		Park,J	
0.0- 6.0	70849	IND	6X	ARR	ARR	ARR		Song,Y	
0.0- 6.0	70850	IND	6Y	ARR	ARR	ARR		Stutts,D	
0.0- 6.0	70851	IND	6Z	ARR	ARR	ARR		Tsai,H	
0.0- 6.0	70852	IND	6AA	ARR	ARR	ARR		Wang,C	
0.0- 6.0	72213	IND	6BB	ARR	ARR	ARR		Yang,X	
4479 Automatic Control Of Dynamic Systems Prerequisite: A grade of "C" or better in Mech Eng 3411.	3.0- 3.0	70812	LEC	1A	MWF	01:00 - 01:50 pm	BCH	00124	Song,Y
	3.0- 3.0	73027	LEC	1B	MWF	10:00 - 10:50 am	IDE	00105	Krishnamurthy,K
	3.0- 3.0	73028	LEC	1C	MWF	11:00 - 11:50 am	IDE	00105	Krishnamurthy,K

CATALOG # AND COURSE TITLE	CREDIT	CLASS#	CMP	SEC	DAY	TIME	BLDG	ROOM	INSTRUCTOR
4480 Control System Laboratory Prerequisites: Preceded or accompanied by Mech Eng 4479. Lectures are scheduled 4:00-4:50pm in an arranged location on Mon and Wed the first week of classes. Labs begin the second week. Students are scheduled for one exam: Time and place to be announced.	1.0- 1.0	70813	LAB	3A	M	02:00 - 04:50 pm	TMH	00216	Balakrishnan,S
			See 'Notes'-Additional Meeting						
	1.0- 1.0	70814	LAB	3B	T	09:30 - 12:20 pm	TMH	00216	Balakrishnan,S
			See 'Notes'-Additional Meeting						
	1.0- 1.0	70815	LAB	3C	T	02:00 - 04:50 pm	TMH	00216	Balakrishnan,S
			See 'Notes'-Additional Meeting						
	1.0- 1.0	70816	LAB	3D	W	02:00 - 04:50 pm	TMH	00216	Balakrishnan,S
			See 'Notes'-Additional Meeting						
	1.0- 1.0	71719	LAB	3E	Th	09:30 - 12:20 pm	TMH	00216	Balakrishnan,S
			See 'Notes'-Additional Meeting						
	1.0- 1.0	71281	LAB	3F	Th	02:00 - 04:50 pm	TMH	00216	Balakrishnan,S
		See 'Notes'-Additional Meeting							
	1.0- 1.0	72151	LAB	3G	M	06:00 - 08:50 pm	TMH	00216	Balakrishnan,S
		See 'Notes'-Additional Meeting							
	1.0- 1.0	72353	LAB	3H	W	06:00 - 08:50 pm	TMH	00216	Balakrishnan,S
		See 'Notes'-Additional Meeting							
	1.0- 1.0	72354	LAB	3J	CANCELLED				
4761 Engineering Design Prerequisites: Preceded or accompanied each of Mech Eng 3708, 3525, 3131, 4479.	3.0- 3.0		LEC	1A	T	12:30 - 01:45 pm	TMH	00199	Midha,A
	3.0- 3.0	70811	LAB	3A	Th	12:30 - 01:45 pm	TMH	00199	Bagivalu Prasanna,P
		Additional meeting time to be arranged.							
		See 'Notes'-Additional Meeting							
4840 Mechanical Instrumentation Prerequisites: A grade of "C" or better each of Math 3304, Mech Eng 2519, Physics 1135.	2.0- 2.0	70802	LAB	3B	T	09:00 - 10:50 am	TMH	00317	
			LAB	3B	MW	02:00 - 02:50 pm	BCH	00120	Cottrell,M
	2.0- 2.0	70803	LAB	3C	T	11:00 - 12:50 pm	TMH	00317	
			LAB	3C	MW	02:00 - 02:50 pm	BCH	00120	Cottrell,M
	2.0- 2.0	70804	LAB	3D	T	01:00 - 02:50 pm	TMH	00317	
			LAB	3D	MW	02:00 - 02:50 pm	BCH	00120	Cottrell,M
	2.0- 2.0	71509	LAB	3E	MW	02:00 - 02:50 pm	BCH	00120	Cottrell,M
			LAB	3E	W	03:00 - 04:50 pm	TMH	00317	
	2.0- 2.0	81154	LAB	3F	W	12:00 - 01:50 pm	TMH	00317	
			LAB	3F	MW	02:00 - 02:50 pm	BCH	00120	
	2.0- 2.0	72351	LAB	3G	Th	11:00 - 12:50 pm	TMH	00317	
			LAB	3G	MW	02:00 - 02:50 pm	BCH	00120	Cottrell,M
	2.0- 2.0	71510	LAB	3H	Th	01:00 - 02:50 pm	TMH	00317	
			LAB	3H	MW	02:00 - 02:50 pm	BCH	00120	Cottrell,M
	2.0- 2.0	71553	LAB	3J	MW	02:00 - 02:50 pm	BCH	00120	Cottrell,M
			LAB	3J	T	03:00 - 04:50 pm	TMH	00317	
	2.0- 2.0	81155	LAB	3K	Th	09:00 - 10:50 am	TMH	00317	
		LAB	3K	MW	02:00 - 02:50 pm	BCH	00120		
2.0- 2.0	71718	LAB	3M	MW	02:00 - 02:50 pm	BCH	00120	Cottrell,M	
		LAB	3M	Th	03:00 - 04:50 pm	TMH	00317		
4842 Mechanical Engineering Systems Prerequisites: Mech Eng 4840, 3521, 3131, 3525, 3313. For the first 3 weeks, there will be lectures on Wed and Fri 3:00-3:50, in TMH 199 in lieu of labwork for all sections of Mech Eng 4842.	2.0- 2.0	70805	LAB	3A	T	09:00 - 10:50 am	TMH	00316	Stutts,D
			Communication Emphasized						
			See 'Notes'-Additional Meeting						
			LAB	3A	W	03:00 - 03:50 pm	TMH	00199	
			Communication Emphasized						
			See 'Notes'-Additional Meeting						
	2.0- 2.0	70806	LAB	3B	M	02:00 - 03:50 pm	TMH	00316	Stutts,D
			Communication Emphasized						
			See 'Notes'-Additional Meeting						
			LAB	3B	W	03:00 - 03:50 pm	TMH	00199	
		Communication Emphasized							
		See 'Notes'-Additional Meeting							
2.0- 2.0	70807	LAB	3C	T	02:00 - 03:50 pm	TMH	00316	Stutts,D	
		Communication Emphasized							
		See 'Notes'-Additional Meeting							
		LAB	3C	W	03:00 - 03:50 pm	TMH	00199		
		Communication Emphasized							
		See 'Notes'-Additional Meeting							
2.0- 2.0	70808	LAB	3E	Th	02:00 - 03:50 pm	TMH	00316	Stutts,D	
		Communication Emphasized							
		See 'Notes'-Additional Meeting							
		LAB	3E	W	03:00 - 03:50 pm	TMH	00199		
		Communication Emphasized							
		See 'Notes'-Additional Meeting							

CATALOG # AND COURSE TITLE	CREDIT	CLASS#	CMP	SEC	DAY	TIME	BLDG	ROOM	INSTRUCTOR	
	2.0- 2.0	71397	LAB	3F	Th	09:00 - 10:50 am	TMH	00316	Stutts,D	
			Communication Emphasized							
			See 'Notes'-Additional Meeting							
			LAB	3F	W	03:00 - 03:50 pm	TMH	00199		
			Communication Emphasized							
			See 'Notes'-Additional Meeting							
	2.0- 2.0	71662	LAB	3G	W	01:00 - 02:50 pm	TMH	00316	Stutts,D	
			Communication Emphasized							
			See 'Notes'-Additional Meeting							
			LAB	3G	W	03:00 - 03:50 pm	TMH	00199		
			Communication Emphasized							
			See 'Notes'-Additional Meeting							
	2.0- 2.0	72352	LAB	3H	F	01:00 - 02:50 pm	TMH	00316	Stutts,D	
			Communication Emphasized							
			See 'Notes'-Additional Meeting							
			LAB	3H	W	03:00 - 03:50 pm	TMH	00199		
			Communication Emphasized							
			See 'Notes'-Additional Meeting							
5000	Special Problems	0.0- 6.0	70853	IND	6A	ARR	ARR	ARR	Chandrashekhara,K	
		0.0- 6.0	70854	IND	6B	ARR	ARR	ARR	Dharani,L	
		0.0- 6.0	70855	IND	6C	ARR	ARR	ARR	Leu,M	
		0.0- 6.0	70856	IND	6D	ARR	ARR	ARR	Liou,F	
		0.0- 6.0	70857	IND	6E	ARR	ARR	ARR	Midha,A	
5131	Intermediate Thermofluid Mechanics Prerequisite: Mech Eng 3131 or Aero Eng 3131. (Co-listed with Aero Eng 5131)	3.0- 3.0	72091	LEC	1A	MWF	03:00 - 03:50 pm	TMH	00260	Homan,K
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	70821	LEC	1A	MWF	01:00 - 01:50 pm	FUL	00107A	Isaac,K
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	70819	LEC	1A	TTh	11:00 - 12:15 pm	BCH	00213	Chandrashekhara,K
5238	Fatigue Analysis Prerequisite: Civ Eng 2210. (Co-listed with Aero Eng 5238)	3.0- 3.0	70820	LEC	1A	TTh	02:00 - 03:15 pm	BCH	00213	Dharani,L
5307	Vibrations I Prerequisites: Mech Eng 3411 and 3313, or Aero Eng 3613 and Math 3304. (Co-listed with Aero Eng 5307)	3.0- 3.0	72090	LEC	1A	TTh	02:00 - 03:15 pm	MCNT	00212	Stutts,D
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	1A	MW	08:00 - 08:50 am	TMH	00260	Bristow,D
		3.0- 3.0	80970	LAB	3A	F	08:00 - 08:50 am	TMH	00260	Bristow,D
5481	Mechanical And Aerospace Control Systems Prerequisite: Mech Eng 4479 or Aero Eng 3361. (Co-listed with Aero Eng 5481)	3.0- 3.0	70828	LEC	1A	MWF	09:00 - 09:50 am	EECH	00239	Balakrishnan,S
5525	Intermediate Heat Transfer Prerequisite: Mech Eng 3525. (Co-listed with Aero Eng 5525)	3.0- 3.0	72529	LEC	1A	MWF	11:00 - 11:50 am	TMH	00254	Crosbie,A
5527	Combustion Processes Prerequisite: Mech Eng 3521. (Co-listed with Aero Eng 5527)	3.0- 3.0	72001	LEC	1A	TTh	09:30 - 10:45 am	BERTELS	00B12A	Koylu,U
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	71626	LEC	1A	M	07:00 - 09:30 pm	BERTELS	00B12A	Williams JR,G
5653	Computer Numerical Control of Manufacturing Processes Prerequisites: Preceded or accompanied by Mech Eng 3653.	3.0- 3.0		LEC	1A	MW	11:00 - 11:50 am	TMH	00256	Okafor,A
		3.0- 3.0	70823	LAB	3A	W	01:00 - 02:50 pm	TMH	00197	Okafor,A
		3.0- 3.0	70824	LAB	3B	F	10:00 - 11:50 am	TMH	00197	Okafor,A

CATALOG # AND COURSE TITLE	CREDIT	CLASS#	CMP	SEC	DAY	TIME	BLDG	ROOM	INSTRUCTOR	
5708 Rapid Product Design And Optimization Prerequisite: Mech Eng 3708.	3.0- 3.0	70818	LEC	1A	TTh	09:30 - 10:45 am	TMH	00260	Liou,F	
5709 Machine Design II Prerequisite: Mech Eng 3708.	3.0- 3.0	72858	LEC	1A	TTh	02:00 - 03:15 pm	TMH	00254	Nisbett,J	
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	71195	LEC	1A	Th	07:00 - 09:30 pm	EECH	00239	Appelman,H	
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	1A	MW	11:00 - 11:50 am	TMH	00260	Leu,M	
	3.0- 3.0	70826	LAB	3A	M	01:00 - 01:50 pm	BCH	00213	Leu,M	
	3.0- 3.0	70827	LAB	3A	M	02:00 - 02:50 pm	TMH	00200		
	3.0- 3.0	70827	LAB	3B	W	01:00 - 02:50 pm	TMH	00200	Leu,M	
6000 Special Problems	0.0- 6.0	72743	IND	6A	ARR	ARR	ARR		Balakrishnan,S	
	0.0- 6.0	73239	IND	6B	ARR	ARR	ARR		Dharani,L	
6001 Special Topics	3.0- 3.0	80973	LEC	1A	CANCELLED					
	3.0- 3.0	81114	LEC	1B	MWF	12:00 - 12:50 pm	FUL	00107A	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)	
	3.0- 3.0	81139	LEC	1C	CANCELLED					
6040 Oral Examination Student will be billed for one credit hour not required for students otherwise enrolled. Graduate office permission required.	0.0- 0.0	70893	IND	6A	ARR	ARR	ARR		Rovey,J	
6050 Continuous Registration Doctoral students only. Graduate Office permission required.	1.0- 1.0	70894	IND	6A	ARR	ARR	ARR		Rovey,J	
6085 Internship DE students only.	0.0-15.0	70892	IND	6A	ARR	ARR	ARR			
6099 Research Consent of instructor required.	0.0-15.0	70858	IND	6A	ARR	ARR	ARR		Balakrishnan,S	
	0.0-15.0	70859	IND	6B	ARR	ARR	ARR		Baur,S	
	0.0-15.0	70860	IND	6C	ARR	ARR	ARR		Bristow,D	
	0.0-15.0	70861	IND	6D	ARR	ARR	ARR		Carroll,D	
	0.0-15.0	70862	IND	6E	ARR	ARR	ARR		Chandrashekhara,K	
	0.0-15.0	70863	IND	6F	ARR	ARR	ARR		Chen,L	
	0.0-15.0	70864	IND	6G	ARR	ARR	ARR		Dharani,L	
	0.0-15.0	70865	IND	6H	ARR	ARR	ARR		Drallmeier,J	
	0.0-15.0	70866	IND	6J	ARR	ARR	ARR		Du,X	
	0.0-15.0	70867	IND	6K	ARR	ARR	ARR		Eversman,W	
	0.0-15.0	70868	IND	6L	ARR	ARR	ARR		Gao,J	
	0.0-15.0	70869	IND	6M	ARR	ARR	ARR		Homan,K	
	0.0-15.0	70870	IND	6N	ARR	ARR	ARR		Hosder,S	
	0.0-15.0	70871	IND	6P	ARR	ARR	ARR		Isaac,K	
	0.0-15.0	70872	IND	6Q	ARR	ARR	ARR		Kinzel,E	
	0.0-15.0	70873	IND	6R	ARR	ARR	ARR		Koylu,U	
	0.0-15.0	70874	IND	6T	ARR	ARR	ARR		Krishnamurthy,K	
	0.0-15.0	70875	IND	6U	ARR	ARR	ARR		Landers,R	
	0.0-15.0	70876	IND	6V	ARR	ARR	ARR		Leu,M	
	0.0-15.0	70877	IND	6W	ARR	ARR	ARR		Liou,F	
0.0-15.0	70878	IND	6X	ARR	ARR	ARR		Midha,A		
0.0-15.0	70879	IND	6Y	ARR	ARR	ARR		Nisbett,J		
0.0-15.0	70880	IND	6Z	ARR	ARR	ARR		Okafor,A		
0.0-15.0	70881	IND	6AA	ARR	ARR	ARR		Pan,H		
0.0-15.0	70882	IND	6BB	ARR	ARR	ARR		Park,J		
0.0-15.0	70883	IND	6CC	ARR	ARR	ARR		Pernicka,H		
0.0-15.0	70884	IND	6DD	ARR	ARR	ARR		Riggins,D		
0.0-15.0	70885	IND	6EE	ARR	ARR	ARR		Rovey,J		
0.0-15.0	70886	IND	6FF	ARR	ARR	ARR		Schonberg,W		
0.0-15.0	70887	IND	6GG	ARR	ARR	ARR		Song,Y		
0.0-15.0	70888	IND	6HH	ARR	ARR	ARR		Stutts,D		
0.0-15.0	70889	IND	6JJ	ARR	ARR	ARR		Tsai,H		
0.0-15.0	70891	IND	6KK	ARR	ARR	ARR		Venayagamoorthy,G		
0.0-15.0	70890	IND	6LL	ARR	ARR	ARR		Wang,C		

CATALOG # AND COURSE TITLE	CREDIT	CLASS#	CMP	SEC	DAY	TIME	BLDG	ROOM	INSTRUCTOR
	0.0-15.0	72190	IND	6MM	ARR	ARR	ARR		Wojnar,C
	0.0-15.0	72229	IND	6NN	ARR	ARR	ARR		Yang,X
	0.0-15.0	81252	IND	6PP	ARR	ARR	ARR		Asle Zaeem,M
6236 Advanced Fracture Mechanics Prerequisite: Aero Eng 5236 or Mech Eng 5236.	3.0- 3.0	73058	LEC	1A	TTh	11:00 - 12:15 pm	TMH	00260	Dharani,L
6284 Analysis of Laminated Composite Structures Prerequisite: Mech Eng 5282 or Aero Eng 5282. (Co-listed with Aero Eng 6284)	3.0- 3.0	71376	LEC	1A	W	04:00 - 06:30 pm	HARR	00107	Birman,V
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	71642	LEC	1A	M	04:00 - 06:30 pm	TMH	00260	Gosavi,A
6481 Advanced Topics in Decision and Control Prerequisite: Aero Eng 5481 or Mech Eng 5481 or equivalent. (Co-listed with Aero Eng 6481)	3.0- 3.0	81050	LEC	1A	CANCELLED				
6526 Micro-/Nano-Scale Thermophysics and Energy Transport Prerequisite: Mech Eng 5525.	3.0- 3.0	72530	LEC	1A	TTh	02:00 - 03:15 pm	MCNT	00245	Gao,J
6585 Advanced Optical Materials and Structures Prerequisite: Elec Eng 5200 or equivalent.	3.0- 3.0	81214	LEC	1A	TTh	11:00 - 12:15 pm	HARR	00107	Yang,X
6657 Laser Aided Manufacturing And Materials Processing Prerequisite: Mech Eng 5525.	3.0- 3.0	80850	LEC	1A	TTh	09:30 - 10:45 am	EECH	00112	Tsai,H
6704 Mechanics of Machinery Prerequisites: Vector & matrix analysis; introductory planar kinematic & dynamic analysis of mechanisms; MECH ENG 5704 or equivalent.	3.0- 3.0	72531	LEC	1A	MWF	12:00 - 12:50 pm	TMH	00260	Midha,A

Metallurgical Engineering

2110 Metallurgy For Engineers Prerequisite: Preceded or accompanied by Chem 1310, prior or concurrent.	3.0- 3.0	70895	LEC	1A	MWF	09:00 - 09:50 am	MCNT	00204	Miller,F
	3.0- 3.0	70896	LEC	1B	MWF	11:00 - 11:50 am	MCNT	00204	Miller,F
2410 Applied Metal Forming Prerequisite: Chem 1100.	2.0- 2.0		LEC	1A	F	12:00 - 12:50 pm	MCNT	00265	Newkirk,J
	2.0- 2.0	80878	LAB	3A	F	01:30 - 03:30 pm	MCNT	00265	Newkirk,J
3000 Special Problems Prerequisite: Consent of instructor required.	0.0- 6.0	70897	IND	6A	ARR	ARR	ARR		
3120 Fundamentals Of Materials Behavior Prerequisite: "C" or better grade in both Met Eng 2110 and Civ Eng 2210.	3.0- 3.0	71320	LEC	1A	MWF	10:00 - 10:50 am	MCNT	00206	Zhou,C
3125 Mechanical Testing of Materials Prerequisite: "C" or better in Met Eng 2110 and preceded or accompanied by Met Eng 3120.	2.0- 2.0		LEC	1A	M	01:00 - 01:50 pm	MCNT	00206	Asle Zaeem,M
	2.0- 2.0	72238	LAB	3A	M	02:00 - 03:50 pm	MCNT	00243	Asle Zaeem,M
	2.0- 2.0	72239	LAB	3B	T	02:00 - 03:50 pm	MCNT	00243	Asle Zaeem,M
	2.0- 2.0	72738	LAB	3C	W	02:00 - 03:50 pm	MCNT	00243	Asle Zaeem,M
3320 Transport Phenomena In Metallurgy Prerequisite: "C" or better grade in Civ Eng 2200.	3.0- 3.0	70898	LEC	1A	MWF	11:00 - 11:50 am	MCNT	00206	Schlesinger,M
4000 Special Problems Prerequisite: Consent of instructor required.	0.0- 6.0	70899	IND	6A	ARR	ARR	ARR		Asle Zaeem,M
	0.0- 6.0	70900	IND	6B	ARR	ARR	ARR		Miller,F
	0.0- 6.0	70901	IND	6C	ARR	ARR	ARR		Moats,M
	0.0- 6.0	70902	IND	6D	ARR	ARR	ARR		Newkirk,J
	0.0- 6.0	70903	IND	6E	ARR	ARR	ARR		O'Keefe,M
	0.0- 6.0	70904	IND	6F	ARR	ARR	ARR		O'Malley,R
	0.0- 6.0	70905	IND	6G	ARR	ARR	ARR		Richards,V
	0.0- 6.0	70906	IND	6H	ARR	ARR	ARR		Schlesinger,M

CATALOG # AND COURSE TITLE	CREDIT	CLASS#	CMP	SEC	DAY	TIME	BLDG	ROOM	INSTRUCTOR
	0.0- 6.0	70907	IND	6J	ARR	ARR	ARR		Van Aken,D
	0.0- 6.0	72406	IND	6K	ARR	ARR	ARR		Zhou,C
4096 Materials Senior Design I Prerequisites: Met Eng 3125 and Met Eng 2125, or Cer Eng 3315 with a "C" or better. (Co-listed with Cer Eng 4096)	3.0- 3.0	72208	LEC	1A	MWF	09:00 - 09:50 am	MCNT	00216	O'Keefe,M
	0.0- 6.0	70915	IND	6A	ARR	ARR	ARR		Miller,F
4099 Undergraduate Research Prerequisite: Consent of instructor.	0.0- 6.0	70916	IND	6B	ARR	ARR	ARR		Newkirk,J
	0.0- 6.0	70917	IND	6C	ARR	ARR	ARR		O'Keefe,M
	0.0- 6.0	70918	IND	6D	ARR	ARR	ARR		O'Malley,R
	0.0- 6.0	70919	IND	6F	ARR	ARR	ARR		Richards,V
	0.0- 6.0	72407	IND	6G	ARR	ARR	ARR		Van Aken,D
4350 Process Metallurgy Applications Prerequisite: "C" or better grade in Cer Eng 3230.	3.0- 3.0	70913	LEC	1A	TTh	01:00 - 01:50 pm	MCNT	00212	Schlesinger,M
			LEC	1A	Th	02:00 - 03:15 pm	MCNT	00114	
4420 Metals Casting Prerequisite: "C" or better grade in either Met Eng 3420 or Mech Eng 2653.	3.0- 3.0	70908	LEC	1A	TTh	08:00 - 09:15 am	MCNT	00216	Bartlett,L
4425 Metals Casting Lab	1.0- 1.0	81098	LAB	3A	W	01:00 - 03:50 pm	MCNT	00244	Bartlett,L
									Prerequisite: Accompanied or preceded by Met Eng 4420.
4450 Steelmaking Prerequisite: Grade of "C" or better in Cer Eng 3230 or Met Eng 3330.	3.0- 3.0	80879	LEC	1A	TTh	09:30 - 10:45 am	MCNT	00206	O'Malley,R
	0.0- 6.0	70920	IND	6A	ARR	ARR	ARR		Hilmas,G
5000 Special Problems Prerequisite: Consent of instructor required.	0.0- 6.0	71302	IND	6B	ARR	ARR	ARR		Richards,V
	0.0- 6.0	70921	IND	6C	ARR	ARR	ARR		Schlesinger,M
5040 Oral Examination Student will be billed for one credit hour not required for students otherwise enrolled. Graduate Office permission required.	0.0- 0.0	70930	IND	6A	ARR	ARR	ARR		
	0.0-15.0	70922	IND	6A	ARR	ARR	ARR		Asle Zaeem,M
5099 Research Prerequisite: Consent of instructor required.	0.0-15.0	70923	IND	6B	ARR	ARR	ARR		Miller,F
	0.0-15.0	70924	IND	6C	ARR	ARR	ARR		Moats,M
	0.0-15.0	70925	IND	6D	ARR	ARR	ARR		Newkirk,J
	0.0-15.0	72066	IND	6E	ARR	ARR	ARR		O'Keefe,M
	0.0-15.0	70926	IND	6F	ARR	ARR	ARR		O'Malley,R
	0.0-15.0	70927	IND	6G	ARR	ARR	ARR		Richards,V
	0.0-15.0	70928	IND	6H	ARR	ARR	ARR		Schlesinger,M
	0.0-15.0	70929	IND	6J	ARR	ARR	ARR		Van Aken,D
	0.0-15.0	72408	IND	6K	ARR	ARR	ARR		Zhou,C
5150 Introduction to Particulate Materials Prerequisite: Met Eng 2110.	3.0- 3.0	81088	LEC	1A	TTh	09:30 - 10:45 am	MCNT	00210	Newkirk,J
5170 Nuclear Materials I Prerequisites: Civ Eng 2210; Nuc Eng 3205; Nuc Eng 3223; Met Eng 2110.(Co-listed with Nuc Eng 4241)	3.0- 3.0	70912	LEC	1A	TTh	11:00 - 12:15 pm	FUL	00227	Graham,J
5330 Nonferrous Alloys Prerequisite: Met Eng 3130 or Met Eng 5810.	3.0- 3.0	80881	LEC	1A	MWF	08:00 - 08:50 am	MCNT	00206	Van Aken,D
5420 Advanced Metals Casting Prerequisite: Met Eng 3420 or Mech Eng 2653.	3.0- 3.0	72447	LEC	1A	TTh	08:00 - 09:15 am	MCNT	00216	Bartlett,L
5425 Metals Casting Laboratory Prerequisite: Accompanied or preceded by Met Eng 4420.	1.0- 1.0	70909	LAB	3A	W	01:00 - 03:50 pm	MCNT	00244	Bartlett,L
5450 Advanced Steelmaking Prerequisite: Grade of "C" or better in Cer Eng 3230 or Met Eng 3330.	3.0- 3.0	80880	LEC	1A	TTh	09:30 - 10:45 am	MCNT	00206	O'Malley,R
5520 Electron Microscopy Prerequisites: Met Eng 3130 and Met Eng 2125, or a course in optical microscopy.	3.0- 3.0	81099	LEC	1A	TTh	11:00 - 12:15 pm	MCNT	00206	Miller,F
5525 Scanning Electron Microscopy Lab Prerequisite: Preceded or accompanied by Met Eng 5520.	1.0- 1.0	81103	LAB	3A	W	09:00 - 11:50 am	MCNT	00012	Wisner,C
	1.0- 1.0	81104	LAB	3B	W	01:00 - 03:50 pm	MCNT	00012	Wisner,C

CATALOG # AND COURSE TITLE	CREDIT	CLASS#	CMP	SEC	DAY	TIME	BLDG	ROOM	INSTRUCTOR
5810 Principles Of Engineering Materials (Co-listed with Aero Eng 3877, Chem Eng 5300, Physics 4523, Cer Eng 5810)	3.0- 3.0	70914	LEC	1A	MWF	08:00 - 08:50 am	MCNT	00216	Newkirk,J
6050 Continuous Registration Doctoral students only. Graduate Office permission required.	1.0- 1.0	70931	IND	6A	ARR	ARR	ARR		Hilmas,G
6099 Research	0.0-15.0	72694	IND	6A	ARR	ARR	ARR		Asle Zaeem,M
	0.0-15.0	72695	IND	6B	ARR	ARR	ARR		Bartlett,L
	0.0-15.0	72696	IND	6C	ARR	ARR	ARR		Miller,F
	0.0-15.0	72697	IND	6D	ARR	ARR	ARR		Moats,M
	0.0-15.0	72698	IND	6E	ARR	ARR	ARR		Newkirk,J
	0.0-15.0	72699	IND	6F	ARR	ARR	ARR		O'Keefe,M
	0.0-15.0	72700	IND	6G	ARR	ARR	ARR		O'Malley,R
	0.0-15.0	72701	IND	6H	ARR	ARR	ARR		Richards,V
	0.0-15.0	72702	IND	6J	ARR	ARR	ARR		Schlesinger,M
	0.0-15.0	72703	IND	6K	ARR	ARR	ARR		Van Aken,D
	0.0-15.0	73224	IND	6L	ARR	ARR	ARR		Zhou,C

Military Science - Army ROTC

1000 Army Physical Readiness Program	1.0- 1.0	70932	LAB	3A	ARR	ARR	ARR		Watson,C
1250 Leadership and Personal Development	1.0- 1.0	71705	LEC	1A	W	02:00 - 02:50 pm	HARR	00302	Dalton,R
1700 Rifle Marksmanship	1.0- 1.0	71956	LEC	1A	M	01:00 - 01:50 pm	ARR		Pense,C
1750 Wilderness Survival And Life-Saving Techniques	1.0- 1.0	71843	LEC	1A	M	11:00 - 11:50 am	HARR	00302	Pense,C
2250 Innovative Team Leadership	3.0- 3.0	72157	LEC	1A	TTh	09:30 - 10:45 am	HARR	00302	Richard,S
2750 Basic Leadership Laboratory Prerequisite: To accompany Mil Army 2500.	1.0- 1.0	71276	LAB	3A	W	03:00 - 06:00 pm	ARR		Richard,S
3250 Adaptive Tactical Leadership Prerequisites: Mil Army 1250, 1500, 2250, 2500 - Exceptions to be made by Dept Chair Only In Accordance with Army (Cadet Command) Policies.	3.0- 3.0		LEC	1A	TTh	08:00 - 08:50 am	ARR		Watson,C
	3.0- 3.0		LEC	1B	TTh	08:00 - 08:50 am	HARR	00302	Watson,C
	3.0- 3.0	71482	LAB	3A	W	03:00 - 06:00 pm	ARR		Watson,C
	3.0- 3.0	72159	LAB	3B	W	03:00 - 06:00 pm	ARR		Watson,C
4000 Special Problems Prerequisites: Mil Army 4250 and 4500 - Exceptions to be made by Dept Chair Only in accordance with Army (Cadet Command) policies.	0.0- 6.0	70933	IND	6A	ARR	ARR	ARR		Register,O
4250 Developing Adaptive Leaders Prerequisites: Mil Army 3250 and 3500 - Exceptions to be made by Dept Chair Only in accordance with Army (Cadet Command) policies.	3.0- 3.0		LEC	1A	M	03:00 - 05:00 pm	HARR	00302	Register,O
	3.0- 3.0	72161	LAB	3A	W	03:00 - 06:00 pm	ARR		Register,O

Mining Engineering

2126 Introduction To Mining Safety	1.0- 1.0	71913	LAB	3A	Th	01:00 - 03:45 pm	MINE		
	1.0- 1.0	72061	LAB	3B	T	01:00 - 03:45 pm	MINE		
2925 Surveying For Mineral Engineers Prerequisite: Preceded or accompanied by Min Eng 1912.	2.0- 2.0	70934	LAB	3A	M	01:00 - 03:50 pm	MINE		Frimpong,S
									Class meets in McNutt for the first three weeks. Room number to be announced. See 'Notes' for Class Schedule
3002 Mine Rescue Prerequisite: Min Eng 2126.	2.0- 2.0	71216	LAB	3B	CANCELLED				
	3.0- 3.0		LEC	1A	F	01:00 - 03:30 pm	MINE		Phelps,C Proctor,J
3512 Mining Industry Economics Prerequisite: Econ 1100 or 1200. (Co-listed with Econ 3512)	3.0- 3.0	70936	LAB	3A	ARR	ARR	ARR		Phelps,C
	3.0- 3.0	70940	LEC	1A	TTh	08:00 - 09:15 am	SHNK	00126	Johnson,C
3912 Materials Handling In Mines Prerequisite: Min Eng 1912.	3.0- 3.0		LEC	1A	TTh	09:00 - 09:50 am	MCNT	00204	Galecki,G
	3.0- 3.0	71299	LAB	3A	Th	04:00 - 05:50 pm	MCNT	00216	Galecki,G
3913 Mineral Identification and Exploration Prerequisites: Either both Chem 1310 and Chem 1319 or Chem 1351; either Geo Eng 1150 or Geology 1110.	3.0- 3.0	70939	LEC	1A	MW	05:00 - 06:15 pm	EMGT	00103	Seeger,C

CATALOG #	AND COURSE TITLE	CREDIT	CLASS#	CMP	SEC	DAY	TIME	BLDG	ROOM	INSTRUCTOR
4000	Special Problems	0.0- 6.0	70941	IND	6A	ARR	ARR	ARR		Alagha,L
	Prerequisite: Consent of instructor required.	0.0- 6.0	71663	IND	6B	ARR	ARR	ARR		Aouad,N
		0.0- 6.0	71955	IND	6C	ARR	ARR	ARR		Frimpong,S
		0.0- 6.0	72732	IND	6D	MW	09:00 - 09:50 am	CS	00209	Weiss,D
		0.0- 6.0	72735	IND	6E	F	09:00 - 09:50 am	MCNT	00114	
		0.0- 6.0	72775	IND	6F	ARR	ARR	ARR		
4096	Computer Aided Mine Design	3.0- 3.0	73082	LAB	3A	F	10:00 - 11:50 am	MCNT	00114	Awuah-Offei,K
	Prerequisites: Min Eng 4522, Min Eng 4932, and Min Eng 4933.			LAB	3A	W	10:00 - 10:50 am	MCNT	00114	
4097	Capstone Design Project	4.0- 4.0		LEC	1A	M	10:00 - 10:50 am	MCNT	00114	Aouad,N
	Prerequisite: Min Eng 4096.	4.0- 4.0	70944	LAB	3A	MW	01:30 - 05:00 pm	MCNT	00114	Aouad,N
										Tiile,R
4099	Undergraduate Research	0.0- 6.0	71587	IND	6A	ARR	ARR	ARR		Alagha,L
		0.0- 6.0	71477	IND	6B	ARR	ARR	ARR		Frimpong,S
		0.0- 6.0	71286	IND	6C	ARR	ARR	ARR		Galecki,G
		0.0- 6.0	71707	IND	6D	ARR	ARR	ARR		Ge,M
4122	Advanced Mine Health and Safety	3.0- 3.0	73138	LEC	1A	TTh	08:00 - 09:15 am	LIB	000G14	Weiss,D
	Prerequisite: Min Eng 2126.									
4423	Mineral Processing I (Flotation and Hydrometallurgy)	3.0- 3.0		LEC	1A	MW	08:00 - 08:50 am	MCNT	00265	Alagha,L
	Prerequisite: Min Eng 3412.	3.0- 3.0	71828	LAB	3A	ARR	ARR	ARR		Alagha,L
4512	Mine Management	3.0- 3.0	70942	LEC	1A	MWF	09:00 - 09:50 am	CS	00209	Weiss,D
	Prerequisite: Completion of 50 credits toward Mining Engineering degree. (Co-listed ECON 4512)									
4523	Environmental And Natural Resource Economics	3.0- 3.0	71777	LEC	1A	MWF	10:00 - 10:50 am	CSF	00G5D	Fikru,M
	Prerequisite: Econ 2100. (Co-listed with Econ 4440)									
4824	Soils and Overburden Materials for Mining Engineering	2.0- 2.0	71706	LEC	1A	CANCELLED				
	Prerequisites: Civ Eng 2210.									
4912	Mine Power And Drainage	3.0- 3.0		LEC	1A	MW	11:00 - 11:50 am	MCNT	00216	Galecki,G
	Prerequisites: Chem 3410 and Civ Eng 3330.			LEC	1A	MW	11:00 - 11:50 am	MCNT	00216	Darnall,C
		3.0- 3.0	70938	LAB	3A	T	04:00 - 04:50 pm	ARR		Galecki,G
4932	Underground Mining Methods And Equipment	3.0- 3.0	72739	LEC	1A	CANCELLED				
	Prerequisite: Preceded or accompanied by Min Eng 3913.									
5423	Advanced Flotation and Hydrometallurgy	3.0- 3.0		LEC	1A	MW	08:00 - 08:50 am	MCNT	00265	Alagha,L
	Prerequisites: Mi Eng 4423 or Consent of Instructor.	3.0- 3.0	72820	LAB	3A	ARR	ARR	ARR		Alagha,L
5532	Advanced Mining Economics	3.0- 3.0	72733	LEC	1A	ARR	ARR	ARR		Johnson,C
	(Co-listed with ECON 5532)									
5912	Advanced Mine Power And Drainage	3.0- 3.0		LEC	1A	MW	11:00 - 11:50 am	MCNT	00216	Galecki,G
	Prerequisite: Mi Eng 4912 or Consent of Instructor.			LEC	1A	MW	11:00 - 11:50 am	MCNT	00216	Darnall,C
		3.0- 3.0	72783	LAB	3A	T	04:00 - 04:50 pm	ARR		Galecki,G
5932	Advanced Underground Mining Methods	3.0- 3.0	72786	LEC	1A	ARR	ARR	ARR		Aouad,N
	Prerequisite: Mi Eng 4932 or Consent of Instructor.									
6000	Special Problems	0.0- 6.0	71564	IND	6A	ARR	ARR	ARR		Aouad,N
		0.0- 6.0	71580	IND	6B	ARR	ARR	ARR		Awuah-Offei,K
		0.0- 6.0	71566	IND	6C	ARR	ARR	ARR		Frimpong,S
		0.0- 6.0	71583	IND	6D	ARR	ARR	ARR		Galecki,G
		0.0- 6.0	70945	IND	6E	ARR	ARR	ARR		Ge,M
		0.0- 6.0	73249	IND	6G	ARR	ARR	ARR		Lusk,B
6001	Special Topics	3.0- 3.0	81245	LEC	1A	ARR	ARR	ARR		Frimpong,S
	Prerequisites: Graduate Standing.									
6010	Seminar	1.0- 1.0	70946	RSD	2A	M	12:00 - 12:50 pm	MCNT	00216	Awuah-Offei,K
6040	Oral Examination	0.0- 0.0	70951	IND	6A	ARR	ARR	ARR		Frimpong,S
	Student will be billed for one credit hour not required for students otherwise enrolled. Graduate Office permission required.									

CATALOG # AND COURSE TITLE	CREDIT	CLASS#	CMP	SEC	DAY	TIME	BLDG	ROOM	INSTRUCTOR
6050 Continuous Registration Doctoral students only. Graduate Office permission required.	1.0- 1.0	70952	IND	6A	ARR	ARR	ARR		Frimpong,S
6080 Graduate Project Prerequisites: Graduate Standing.	3.0- 3.0 3.0- 3.0	74500 73255	IND	6A 6B	ARR	ARR	ARR		Hyder,Z Perry,K
6099 Research Prerequisite: Consent of instructor required.	0.0-15.0 0.0-15.0 0.0-15.0 0.0-15.0 0.0-15.0 0.0-15.0 0.0-15.0 0.0-15.0 0.0-15.0	70948 71543 71293 71588 71692 70949 70950 73206 73247 73252	IND	6A 6B 6C 6D 6E 6F 6G 6H 6J 6K	ARR	ARR	ARR		Alagha,L Aouad,N Awuah-Offei,K Frimpong,S Galecki,G Ge,M Homan,K Lusk,B Perry,K
6132 Advanced Mine Health And Safety Design Prerequisite: Graduate standing.	3.0- 3.0	70947	LEC	1A	TTh	08:00 - 09:15 am	LIB	000G14	Weiss,D
6622 Environmental Controls For Blasting Prerequisites: Min Eng 5612, Successful background check. (Co-listed with Exp Eng 6412)	3.0- 3.0 3.0- 3.0		LEC LAB	1A 3A	ARR	ARR	ARR		Worsey,P Worsey,P

Miscellaneous

CPSS College Program for Success	0.0- 0.0	71761	RSD	2A	ARR	ARR	ARR		Morris,R
									SESSION WILL MEET AUG 15 - 19. MONDAY AUG 15, 12:30-3:30 P.M. TUESDAY THROUGH FRIDAY 8:30-10:30 A.M. AND 1:30-3:30 P.M. THIS IS THE WEEK PRIOR TO THE BEGINNING OF CLASSES.
EDGE The Financial Edge	0.0- 0.0	72603	RSD	2A	ARR	ARR	ARR		Frisbee,P
									SESSION WILL MEET AUG 15 - 19. MONDAY AUG 15, 12:30-3:30 P.M. TUESDAY THROUGH FRIDAY 8:30-10:30 A.M. AND 1:30-3:30 P.M. THIS IS THE WEEK PRIOR TO THE BEGINNING OF CLASSES.
INNOV INNOVATE	0.0- 0.0	72999	RSD	2A	ARR	ARR	ARR		Bachman,B
									SESSION WILL MEET AUG 15 - 19. MONDAY AUG 15, 12:30-3:30 P.M. TUESDAY THROUGH FRIDAY 8:30-10:30 A.M. AND 1:30-3:30 P.M. THIS IS THE WEEK PRIOR TO THE BEGINNING OF CLASSES.
LEAD Lead Out Loud	0.0- 0.0	72015	RSD	2A	ARR	ARR	ARR		Frisbee,P
									SESSION WILL MEET AUG 15 - 19. MONDAY AUG 15, 12:30-3:30 P.M. TUESDAY THROUGH FRIDAY 8:30-10:30 A.M. AND 1:30-3:30 P.M. THIS IS THE WEEK PRIOR TO THE BEGINNING OF CLASSES.
PRBSOL Problem Solving Workshop	0.0- 0.0	71136	RSD	2A	ARR	ARR	ARR		
									SESSION WILL MEET AUG 15 - 19. MONDAY AUG 15 12:30-3:30 P.M. TUESDAY THROUGH FRIDAY 8:30-10:30 A.M. AND 1:30-3:30 P.M. THIS IS THE WEEK PRIOR TO THE BEGINNING OF CLASSES.
TRGREV Trigonometry Review Workshop	0.0- 0.0	71135	RSD	2A	ARR	ARR	ARR		Fitch,S
									SESSION WILL MEET AUG 15 - 19. MONDAY AUG 15, 12:30-3:30 P.M. TUESDAY THROUGH FRIDAY 8:30-10:30 A.M. AND 1:30-3:30 P.M. THIS IS THE WEEK PRIOR TO THE BEGINNING OF CLASSES.

Music

1111 Individual Music Instruction I Prerequisite: Consent of instructor required.	1.0- 1.0 1.0- 1.0	70953 71892	LAB	3A 3B	ARR	ARR	ARR		Francis,L Cress,D
1121 Individual Music Instruction II Prerequisite: Consent of instructor.	1.0- 2.0	70954	LAB	3A	ARR	ARR	ARR		Francis,L
									Piano only
1130 Wind Symphony	2.0- 2.0	70955	LAB	3B	MWF	12:00 - 12:50 pm	CASTL	00137	Samson,D
1131 Marching Band	2.0- 2.0	73080	LAB	3A	TWTh	04:00 - 05:30 pm	CASTL	00137	Samson,D
1132 University Orchestra	2.0- 2.0	70956	LAB	3A	M	07:00 - 09:30 pm	CASTL	00137	Wernke,K
									(Symphony Orchestra)
1134 Instrumental Chamber Ensemble-Strings	1.0- 1.0	70957	LAB	3A	Th	07:00 - 09:00 pm	CASTL	00137	Wernke,K
									(Chamber Orchestra)

CATALOG # AND COURSE TITLE	CREDIT	CLASS#	CMP	SEC	DAY	TIME	BLDG	ROOM	INSTRUCTOR
1135 Symphonic Band (Concert Band)	0.0- 2.0	70958	LAB	3A	M	04:00 - 05:20 pm	CASTL	00137	Cress,D
1136 Jazz Ensemble Prerequisite: Consent of instructor.	1.0- 1.0	70959	LAB	3A	T	06:15 - 08:45 pm	CASTL	00137	Cress,D
1140 University Choir	1.0- 1.0	70960	LAB	3A	TTh	02:00 - 03:15 pm	CASTL	00138	Francis,L
1141 Chamber Vocal Ensembles	1.0- 1.0	71362	LAB	3A	TTh	12:30 - 01:45 pm	CASTL	00138	Francis,L
1150 Music Understanding And Appreciation	3.0- 3.0	71187	LEC	1A	MWF	02:00 - 02:50 pm	CASTL	00138	Francis,L
2111 Individual Music Instruction III Prerequisite: Consent of instructor.	1.0- 2.0	70961	LAB	3A	ARR	ARR	ARR		Francis,L
	1.0- 2.0	73159	LAB	3B	ARR	ARR	ARR		Cress,D
2121 Individual Music Instruction IV Prerequisite: Consent of instructor.	1.0- 2.0	70962	LAB	3A	ARR	ARR	ARR		Francis,L
	1.0- 2.0	73267	LAB	3B	ARR	ARR	ARR		Wernke,K
2161 Theory of Music I	3.0- 3.0	72900	LEC	1A	CANCELLED				
3000 Special Problems Prerequisite: Consent of instructor.	0.0- 6.0	70963	IND	6A	ARR	ARR	ARR		Francis,L
3251 History and Analysis of Music I	3.0- 3.0	81082	LEC	1A	TTh	08:00 - 09:15 am	CASTL	00138	Francis,L
									Communication Emphasized
4000 Special Problems Prerequisite: Consent of instructor required.	0.0- 6.0	71229	IND	6A	ARR	ARR	ARR		

Nuclear Engineering

1105 Nuclear Technology Applications	1.0- 1.0	71435	LEC	1A	M	03:00 - 03:50 pm	FUL	00227	Castano,C
2105 Introduction To Nuclear Engineering Prerequisite: Math 1215 or Math 1221.	2.0- 2.0	70964	LEC	1A	MW	11:00 - 11:50 am	FUL	00209	Mueller,G
2406 Reactor Operations I Prerequisites: Math 1214 or Math 1208; preceded or accompanied by Nuc Eng 1105.	1.0- 1.0	72648	LAB	3A	M	02:00 - 02:50 pm	BCH	00317	Liu,X
	1.0- 1.0	72649	LAB	3B	T	09:00 - 09:50 am	BCH	00215	Liu,X
	1.0- 1.0	72650	LAB	3C	T	02:00 - 02:50 pm	BCH	00215	Liu,X
3000 Special Problems	0.0- 6.0	71384	IND	6A	ARR	ARR	ARR		Usman,S
3205 Fundamentals Of Nuclear Engineering Prerequisite: Physics 2305 or Nuc Eng 3103; Math 3304.	3.0- 3.0	70965	LEC	1A	MWF	10:00 - 10:50 am	IDE	00206	Alajo,A
3221 Reactor Fluid Mechanics Prerequisites: Math 3304, Junior standing.	3.0- 3.0	71489	LEC	1A	MWF	09:00 - 09:50 am	FUL	00209	Mueller,G
3377 Nuclear Forensics and Radiochemistry Prerequisites: NUC ENG 2105 recommended.	3.0- 3.0	72897	LEC	1A	TTh	03:30 - 04:45 pm	FUL	00227	Castano,C
4000 Special Problems	0.0- 6.0	70966	IND	6A	ARR	ARR	ARR		Alajo,A
	0.0- 6.0	70967	IND	6B	ARR	ARR	ARR		Al Dahhan,M
	0.0- 6.0	70968	IND	6C	ARR	ARR	ARR		Castano,C
	0.0- 6.0	71832	IND	6E	ARR	ARR	ARR		Lee,H
	0.0- 6.0	71841	IND	6F	ARR	ARR	ARR		Liu,X
	0.0- 6.0	71874	IND	6G	ARR	ARR	ARR		Mueller,G
	0.0- 6.0	72003	IND	6H	ARR	ARR	ARR		Usman,S
	0.0- 6.0	81295	IND	6J	ARR	ARR	ARR		Schlegel,J
4010 Seminar Prerequisite: Senior standing.	0.0- 6.0	70973	RSD	2A	M	12:00 - 12:50 pm	MCNT	00216	Usman,S
4099 Undergraduate Research	0.0- 6.0	71382	IND	6A	ARR	ARR	ARR		Alajo,A
	0.0- 6.0	71312	IND	6B	ARR	ARR	ARR		Al Dahhan,M
	0.0- 6.0	71803	IND	6C	ARR	ARR	ARR		Castano,C
	0.0- 6.0	71808	IND	6D	ARR	ARR	ARR		Lee,H
	0.0- 6.0	71842	IND	6E	ARR	ARR	ARR		Liu,X
	0.0- 6.0	71875	IND	6F	ARR	ARR	ARR		Mueller,G
	0.0- 6.0	72004	IND	6H	ARR	ARR	ARR		Schlegel,J
	0.0- 6.0	72425	IND	6J	ARR	ARR	ARR		Usman,S
4207 Nuclear Fuel Cycle Prerequisite: Nuc Eng 3205.	3.0- 3.0	70972	LEC	1A	MWF	11:00 - 11:50 am	FUL	00227	Alajo,A
4241 Nuclear Materials I Prerequisites: Civ Eng 2210; Nuc Eng 3205; Nuc Eng 3223; Met Eng 2110. (Co-listed with Met Eng 5170)	3.0- 3.0	70975	LEC	1A	TTh	11:00 - 12:15 pm	FUL	00227	Graham,J
4253 Monte Carlo Approach to Reactor Analysis Prerequisites: Accompanied by NUC ENG 3205	3.0- 3.0	72427	LEC	1A	MWF	03:00 - 03:50 pm	FUL	00220	Alajo,A

CATALOG # AND COURSE TITLE	CREDIT	CLASS#	CMP	SEC	DAY	TIME	BLDG	ROOM	INSTRUCTOR
4259 Licensing Of Nuclear Power Plants Prerequisite: Nuc Eng 3205.	3.0- 3.0		LEC	1A	MW	10:00 - 10:50 am	TMH	00254	Usman,S
			Field Trip Required						
	3.0- 3.0	81210	LAB	3A	F	10:00 - 10:50 am	TMH	00254	Usman,S
			Field Trip Required						
4350 Introduction to Nuclear Medical Science Prerequisites: Nuc Eng 4312 or equivalent.	3.0- 3.0	72621	LEC	1A	MWF	10:00 - 10:50 am	TMH	00256	Lee,H
4363 Applied Health Physics Prerequisite: Nuc Eng 3103 or Physics 2305.	3.0- 3.0	72446	LEC	1A	TTh	03:00 - 04:15 pm	EMGT	00104	Usman,S
4428 Reactor Laboratory I Prerequisites: Nuc Eng 4312, 3205.	2.0- 2.0		LEC	1A	M	02:00 - 02:50 pm	FUL	00220	Usman,S
	2.0- 2.0	70970	LAB	3A	W	02:00 - 04:50 pm	ARR		Usman,S
	2.0- 2.0	70971	LAB	3B	Th	12:30 - 03:15 pm	ARR		Usman,S
4496 Nuclear System Design I Prerequisites: Nuc Eng 3223, 4203, 4229, preceded or accompanied by Nuc Eng 4241.	1.0- 1.0	70974	LEC	1A	T	02:00 - 02:50 pm	FUL	00227	Castano,C
5207 Nuclear Fuel Cycle Prerequisite: Nuc Eng 3205.	3.0- 3.0	72464	LEC	1A	MWF	11:00 - 11:50 am	FUL	00227	Alajo,A
5241 Nuclear Materials I Prerequisites: Civ Eng 2210; Nuc Eng 3205; Nuc Eng 3223; Met Eng 2110. (Co-listed with Met Eng 5170)	3.0- 3.0	72463	LEC	1A	TTh	11:00 - 12:15 pm	FUL	00227	Graham,J
5350 Advanced Nuclear Medical Science Prerequisites: Nuc Eng 4312 or equivalent.	3.0- 3.0	72622	LEC	1A	MWF	10:00 - 10:50 am	TMH	00256	Lee,H
5363 Applied Health Physics Prerequisite: Nuc Eng 3103 or Physics 2305.	3.0- 3.0	72448	LEC	1A	TTh	03:00 - 04:15 pm	EMGT	00104	Usman,S
5428 Reactor Laboratory I Prerequisites: Nuc Eng 204, 3205.	2.0- 2.0		LEC	1A	M	02:00 - 02:50 pm	FUL	00220	Usman,S
	2.0- 2.0	72450	LAB	3A	W	02:00 - 04:50 pm	ARR		Usman,S
6000 Special Problems	0.0- 6.0	71577	IND	6A	ARR	ARR	ARR		Al Dahhan,M
	0.0- 6.0	71833	IND	6B	ARR	ARR	ARR		Lee,H
	0.0- 6.0	73262	IND	6C	ARR	ARR	ARR		Usman,S
6001 Special Topics	3.0- 3.0	80947	LEC	1A	MWF	01:00 - 01:50 pm	EMGT	00106	Graham,J
			Adv Radiation Interactions						
			Prerequisite: Graduate standing.						
6010 Seminar	0.0- 6.0	70976	RSD	2A	M	12:00 - 12:50 pm	MCNT	00216	Usman,S
6040 Oral Examination Student will be billed for one credit hour not required for students otherwise enrolled. Graduate Office permission required.	0.0- 0.0	70981	IND	6A	ARR	ARR	ARR		
6050 Continuous Registration Doctoral students only. Graduate Office permission required.	1.0- 1.0	70982	IND	6A	ARR	ARR	ARR		Lee,H
6085 Internship DE students only.	0.0-15.0	70980	IND	6A	ARR	ARR	ARR		Lee,H
6099 Research Prerequisite: Consent of instructor required.	0.0-15.0	70977	IND	6A	ARR	ARR	ARR		Alajo,A
	0.0-15.0	70978	IND	6B	ARR	ARR	ARR		Al Dahhan,M
	0.0-15.0	70979	IND	6C	ARR	ARR	ARR		Castano,C
	0.0-15.0	71772	IND	6D	ARR	ARR	ARR		Graham,J
	0.0-15.0	71804	IND	6E	ARR	ARR	ARR		Lee,H
	0.0-15.0	71876	IND	6F	ARR	ARR	ARR		Liu,X
	0.0-15.0	71965	IND	6G	ARR	ARR	ARR		Mueller,G
	0.0-15.0	72426	IND	6H	ARR	ARR	ARR		Schlegel,J
	0.0-15.0	72898	IND	6J	ARR	ARR	ARR		Usman,S
6205 Linear Transport Theory Prerequisites: Nuc Eng 4203, Math 5358.	3.0- 3.0	72445	LEC	1A	TTh	09:30 - 10:45 am	EMGT	00104	Liu,X
6257 Advanced Nuclear Thermal Hydraulics Prerequisite: Math 5325.	3.0- 3.0	80948	LEC	1A	TTh	12:30 - 01:45 pm	FUL	00227	Schlegel,J
6331 Radiation Shielding Prerequisite: Nuc Eng 4203.	3.0- 3.0	72005	LEC	1A	TTh	02:00 - 03:15 pm	EECH	00102	Liu,X

Petroleum Engineering

2510	Properties Of Hydrocarbon Fluids Prerequisite: Chem 1310. Common exams will be given September 25th, October 23rd and November 20th from 5:00 - 6:00 pm.	3.0- 3.0	70985	LEC	1A	MWF	10:00 - 10:50 am	EECH	00G31	Hilgedick,S
										See 'Notes' for Evening Exams
3000	Special Problems	1.0- 3.0	70987	IND	6A	ARR	ARR	ARR		Bai,B
		1.0- 3.0	70986	IND	6B	ARR	ARR	ARR		Dunn Norman,S
		1.0- 3.0	71656	IND	6C	ARR	ARR	ARR		Eckert,A
		1.0- 3.0	71655	IND	6D	ARR	ARR	ARR		Flori,R
		1.0- 3.0	71657	IND	6E	ARR	ARR	ARR		Imqam,A
		1.0- 3.0	71981	IND	6F	ARR	ARR	ARR		Wei,M
		1.0- 3.0	72618	IND	6G	ARR	ARR	ARR		
		1.0- 3.0	81294	IND	6H	ARR	ARR	ARR		Hendrix,R
3320	Petrophysics Prerequisites: Preceded or accompanied by both Pet Eng 2510 and Physics 1135.	3.0- 3.0		LEC	1A	TTh	11:00 - 11:50 am	BERTELS	00B10	Imqam,A
		3.0- 3.0	72862	LAB	3A	T	01:00 - 02:20 pm	MCNT	00112	Imqam,A
		3.0- 3.0	72863	LAB	3B	T	02:30 - 03:50 pm	MCNT	00112	Imqam,A
		3.0- 3.0	72864	LAB	3C	T	04:00 - 05:20 pm	MCNT	00112	Imqam,A
4001	Special Topics	3.0- 3.0		LEC	1A	TTh	12:30 - 01:45 pm	MCNutt	234	Flori,R
										Pet Eng Applications of MATLAB
		3.0- 3.0	81289	LAB	3A	ARR	ARR	ARR		Flori,R
										Pet Eng Applications of MATLAB
4010	Ethics and Professionalism Prerequisite: Senior standing in Petroleum Engineering.	1.0- 1.0	70988	RSD	2A	M	03:00 - 03:50 pm	MCNT	00211	Dunn Norman,S
4210	Drilling and Well Design Prerequisite: Preceded or accompanied by Civ Eng 3330.	3.0- 3.0		LEC	1A	TTh	08:00 - 08:50 am	BERTELS	00B10	Hendrix,R
		3.0- 3.0	70984	LAB	3A	M	02:00 - 03:50 pm	MCNT	00115	Hendrix,R
		3.0- 3.0	71753	LAB	3B	M	04:00 - 05:50 pm	MCNT	00115	Hendrix,R
		3.0- 3.0	71826	LAB	3C	T	02:00 - 03:50 pm	MCNT	00115	Hendrix,R
		3.0- 3.0	71949	LAB	3D	T	04:00 - 05:50 pm	MCNT	00115	Hendrix,R
4311	Reservoir Characterization Prerequisites: Pet Eng 3520 and Pet Eng 3310.	3.0- 3.0	72542	LEC	1A	CANCELLED				
4421	Artificial Lift Prerequisite: Pet Eng 3410.	3.0- 3.0	71752	LEC	1A	TTh	09:30 - 10:45 am	TMH	00254	Dunn Norman,S
				LEC	1A	ARR	ARR	ARR		
4441	Well Stimulation Prerequisites: Pet Eng 3520 and Pet Eng 3330.	3.0- 3.0	73184	LEC	1A	M	04:00 - 06:30 pm	BCH	00121	Britt,L
4511	Applied Petroleum Reservoir Engineering Prerequisites: Pet Eng 3520 and 3529.	3.0- 3.0	72124	LEC	1A	MWF	09:00 - 09:50 am	MCNT	00206	Wei,M
4520	Well Test Analysis Prerequisite: Pet Eng 3520.	3.0- 3.0		LEC	1A	MW	11:00 - 11:50 am	SHNK	000G3	Flori,R
		3.0- 3.0	71472	LAB	3A	Th	02:00 - 03:45 pm	CH	00105	Flori,R
4590	Petroleum Economics and Asset Valuation Prerequisites: Pet Eng 3520, Econ 1100 or Econ 1200.	3.0- 3.0	72543	LEC	1A	MWF	11:00 - 11:50 am	TMH	00251	Hilgedick,S
4710	Finite Element Analysis with Applications in Petroleum Engineering Prerequisites: Pet Eng 3520, Geology 3310, and Math 3304.	3.0- 3.0		LEC	1A	MWF	08:00 - 08:50 am	MCNT	00130	Eckert,A
		3.0- 3.0	72545	LAB	3A	F	02:00 - 04:30 pm	MCNT	00130	Eckert,A
4720	Mechanical Earth Modeling Prerequisites: Pet Eng 3310 and Geology 3310.	3.0- 3.0	71578	LEC	1A	MWF	10:00 - 10:50 am	EMGT	00103	Eckert,A
4811	Offshore Petroleum Technology	3.0- 3.0	81274	LEC	1A	TTh	11:00 - 12:15 pm	MCNT	00130	Hendrix,R
										Communication Emphasized
5000	Special Problems Prerequisite: Consent of instructor required.	0.0- 6.0	71695	IND	6A	ARR	ARR	ARR		Bai,B
		0.0- 6.0	70989	IND	6B	ARR	ARR	ARR		Dunn Norman,S
		0.0- 6.0	71696	IND	6C	ARR	ARR	ARR		Flori,R
		0.0- 6.0	71982	IND	6D	ARR	ARR	ARR		Imqam,A
		0.0- 6.0	71983	IND	6E	ARR	ARR	ARR		Wei,M
5040	Oral Examination Student will be billed for one credit hour not required for students otherwise enrolled. Graduate Office permission required.	0.0- 0.0	70994	IND	6A	ARR	ARR	ARR		
5085	Internship DE students only.	0.0-15.0	70993	IND	6A	ARR	ARR	ARR		

CATALOG # AND COURSE TITLE	CREDIT	CLASS#	CMP	SEC	DAY	TIME	BLDG	ROOM	INSTRUCTOR
5099 Research	0.0-12.0	70990	IND	6A	ARR	ARR	ARR		Bai,B
Prerequisite: Consent of instructor required.	0.0-12.0	70991	IND	6B	ARR	ARR	ARR		Dunn Norman,S
	0.0-12.0	71659	IND	6C	ARR	ARR	ARR		Eckert,A
	0.0-12.0	71658	IND	6D	ARR	ARR	ARR		Flori,R
	0.0-12.0	70992	IND	6E	ARR	ARR	ARR		Imqam,A
	0.0-12.0	71896	IND	6F	ARR	ARR	ARR		Wei,M
	0.0-12.0	72620	IND	6G	ARR	ARR	ARR		
6001 Special Topics	3.0- 6.0		LEC	1A	TTh	12:30 - 01:45 pm	MCNutt	234	Flori,R
			Adv Pet Eng Appl MATLAB						
	3.0- 6.0	81291	LAB	3A	ARR	ARR	ARR		Flori,R
			Adv Pet Eng Appl MATLAB						
6050 Continuous Registration	1.0- 1.0	70995	IND	6A	ARR	ARR	ARR		Dunn Norman,S
Doctoral students only. Graduate Office permission required.									
6431 Advanced Well Completion Design	3.0- 3.0	81234	LEC	1A	T	12:30 - 03:15 pm	MCNT	00130	Dunn Norman,S
Prerequisites: Pet Eng 3520. Students may not earn credit for both Pet Eng 4431 and Pet Eng 6431.									
6441 Advanced Well Stimulation	3.0- 3.0	72546	LEC	1A	M	04:00 - 06:30 pm	BCH	00121	Britt,L
Prerequisites: Pet Eng 3520 and Pet Eng 3310.									
6521 Advanced Well Test Analysis	3.0- 3.0		LEC	1A	MW	11:00 - 11:50 am	SHNK	000G3	Flori,R
Prerequisites: Pet Eng 3520 and Pet Eng 4520.	3.0- 3.0	72287	LAB	3A	Th	02:00 - 03:45 pm	CH	00105	Flori,R
6621 Advanced Applied Reservoir Simulation	3.0- 3.0	72619	LEC	1A	MW	01:00 - 02:15 pm	MCNT	00130	Wei,M
Prerequisite: Pet Eng 5621.									

Philosophy

1105 Introduction To Philosophy	3.0- 3.0	71716	LEC	1A	TTh	11:00 - 12:15 pm	H-SS	00204	Reed,R
Prerequisite: Entrance requirements.	3.0- 3.0	73227	LEC	1B	TTh	12:30 - 01:45 pm	H-SS	00204	Reed,R
	3.0- 3.0	71950	LEC	1C	MWF	09:00 - 09:50 am	CH	00103	Gamez,P
	3.0- 3.0	72901	LEC	1D	MWF	10:00 - 10:50 am	EMGT	00201	Gamez,P
1115 Introduction To Logic	3.0- 3.0	72628	LEC	1A	TTh	11:00 - 12:15 pm	IDE	000G4A	Finke,D
Prerequisite: Entrance requirements.	3.0- 3.0	70996	LEC	1B	TTh	02:00 - 03:15 pm	CS	00203	Finke,D
	3.0- 3.0	72119	LEC	1C	ARR	ARR	ARR		Finke,D
1130 Introduction to Ethics	3.0- 3.0	72902	LEC	1A	MWF	01:00 - 01:50 pm	CH	00103	Gamez,P
	3.0- 3.0	81251	LEC	1B	ARR	ARR	ARR		Gamez,P
			UM Shared Course-Primary						
1175 Comparative Religious Philosophy	3.0- 3.0	71363	LEC	1A	CANCELLED				
Prerequisite: Entrance requirements.									
3225 Engineering Ethics	3.0- 3.0	72524	LEC	1A	MWF	01:00 - 01:50 pm	IDE	00202	Dittmer,J
Prerequisite: Sophomore standing or above.	3.0- 3.0	72410	LEC	1B	MWF	02:00 - 02:50 pm	IDE	00202	Dittmer,J
3235 Business Ethics	3.0- 3.0	72629	LEC	1A	MWF	10:00 - 10:50 am	H-SS	00104	Taylor,A
Prerequisite: Sophomore standing or above.	3.0- 3.0	72525	LEC	1B	MWF	11:00 - 11:50 am	H-SS	00104	Taylor,A
4320 Minds And Machines	3.0- 3.0	80874	LEC	1A	TTh	12:30 - 01:45 pm	H-SS	000G7	Finke,D
Prerequisite: Any philosophy course.									
4345 Philosophy Of Science	3.0- 3.0	72291	LEC	1A	ARR	ARR	ARR		
Prerequisite: Any philosophy course.									
4399 Topics in Philosophy	3.0- 3.0	72526	LEC	1A	M	06:00 - 08:30 pm	EECH	00111	Dittmer,J
Prerequisite: Any Philosophy course.									
			UM Shared Course-Secondary						
			Course Topic: Philosophical Ideas in Literature						
			UM Shared Course-Secondary						

Physical Education

1100 Weight Training (Men and Women)	1.0- 1.0	71000	LAB	3A	MW	09:00 - 09:50 am	M-PUR	00G26	White,N
	1.0- 1.0	71001	LAB	3B	TTh	08:00 - 08:50 am	M-PUR	00G26	Drury,T
	1.0- 1.0	72178	LAB	3C	MW	10:00 - 10:50 am	M-PUR	00G26	Baldwin,M
1108 Beginning Racquetball	1.0- 1.0	70999	LAB	3A	TTh	09:30 - 10:20 am	REC	COURTS	McFarland,M

Physics

1101 Introduction To Physics	1.0- 1.0	71002	LEC	1A	T	02:00 - 02:50 pm	PHYS	00127	Story,J
1119 General Physics Laboratory	1.0- 1.0	71003	LAB	3A	T	03:00 - 04:50 pm	PHYS	00215	Waddill,G
Prerequisites: Preceded or accompanied by either Physics 1111 or Physics 1145.	1.0- 1.0	71004	LAB	3B	W	06:00 - 07:50 pm	PHYS	00215	Waddill,G

CATALOG # AND COURSE TITLE	CREDIT	CLASS#	CMP	SEC	DAY	TIME	BLDG	ROOM	INSTRUCTOR
1135 Engineering Physics I Prerequisite: Math 1208 or 1214. Every student enrolled in Phys 1135 must be enrolled in a Lec AA, or BB, or CC and a RSD A, B, C, etc. and a Lab L01, L02, L03, etc. Students in Phys 1135 are scheduled for group exams from 5:00 to 6:00 on Wednesdays: Sept 20, Oct 18, and Nov 15th.	0.0- 0.0	71005	LEC	1AA	TTh	09:00 - 09:50 am	PHYS	00104	Vojta,A
			See 'Notes' for Evening Exams						
	0.0- 0.0	71006	LEC	1BB	TTh	10:00 - 10:50 am	PHYS	00104	Vojta,A
			See 'Notes' for Evening Exams						
	0.0- 0.0	71401	LEC	1CC	ARR	ARR	ARR		Vojta,A
			See 'Notes' for Evening Exams						
	4.0- 4.0	71007	RSD	2A	WF	08:00 - 08:50 am	PHYS	00130	Vojta,A
			See 'Notes' for Evening Exams						
	4.0- 4.0	71526	RSD	2B	WF	08:00 - 08:50 am	PHYS	00129	Vojta,A
			See 'Notes' for Evening Exams						
	4.0- 4.0	71008	RSD	2C	WF	09:00 - 09:50 am	PHYS	00130	Vojta,A
			See 'Notes' for Evening Exams						
	4.0- 4.0	71009	RSD	2D	WF	09:00 - 09:50 am	PHYS	00129	Vojta,A
			See 'Notes' for Evening Exams						
	4.0- 4.0	71010	RSD	2E	WF	10:00 - 10:50 am	PHYS	00130	Vojta,A
			See 'Notes' for Evening Exams						
	4.0- 4.0	71011	RSD	2F	WF	10:00 - 10:50 am	PHYS	00129	Vojta,A
			See 'Notes' for Evening Exams						
	4.0- 4.0	71012	RSD	2G	WF	09:00 - 09:50 am	IDE	00202	Vojta,A
			See 'Notes' for Evening Exams						
	4.0- 4.0	71013	RSD	2H	WF	11:00 - 11:50 am	PHYS	00130	Vojta,A
			See 'Notes' for Evening Exams						
	4.0- 4.0	71402	RSD	2J	WF	11:00 - 11:50 am	PHYS	00129	Vojta,A
			See 'Notes' for Evening Exams						
	4.0- 4.0	71419	RSD	2K	WF	12:00 - 12:50 pm	PHYS	00130	Vojta,A
			See 'Notes' for Evening Exams						
	4.0- 4.0	71806	RSD	2L	WF	12:00 - 12:50 pm	PHYS	00129	Vojta,A
			See 'Notes' for Evening Exams						
	4.0- 4.0	72240	RSD	2M	WF	01:00 - 01:50 pm	PHYS	00130	Vojta,A
			See 'Notes' for Evening Exams						
	4.0- 4.0	72241	RSD	2N	WF	01:00 - 01:50 pm	PHYS	00129	Vojta,A
			See 'Notes' for Evening Exams						
	4.0- 4.0	72777	RSD	2P	WF	10:00 - 10:50 am	IDE	00202	Vojta,A
			See 'Notes' for Evening Exams						
	0.0- 0.0	71014	LAB	3L01	M	01:00 - 02:50 pm	PHYS	00215	Waddill,G
			See 'Notes' for Evening Exams						
	0.0- 0.0	71015	LAB	3L02	M	01:00 - 02:50 pm	PHYS	00215	Waddill,G
			See 'Notes' for Evening Exams						
	0.0- 0.0	71016	LAB	3L03	M	03:00 - 04:50 pm	PHYS	00215	Waddill,G
			See 'Notes' for Evening Exams						
0.0- 0.0	71017	LAB	3L04	M	03:00 - 04:50 pm	PHYS	00215	Waddill,G	
		See 'Notes' for Evening Exams							
0.0- 0.0	71018	LAB	3L05	M	06:00 - 07:50 pm	PHYS	00215	Waddill,G	
		See 'Notes' for Evening Exams							
0.0- 0.0	71019	LAB	3L06	M	06:00 - 07:50 pm	PHYS	00215	Waddill,G	
		See 'Notes' for Evening Exams							
0.0- 0.0	71020	LAB	3L08	T	11:00 - 12:50 pm	PHYS	00215	Waddill,G	
		See 'Notes' for Evening Exams							
0.0- 0.0	71021	LAB	3L09	T	01:00 - 02:50 pm	PHYS	00215	Waddill,G	
		See 'Notes' for Evening Exams							
0.0- 0.0	71022	LAB	3L10	T	01:00 - 02:50 pm	PHYS	00215	Waddill,G	
		See 'Notes' for Evening Exams							
0.0- 0.0	71023	LAB	3L12	T	06:00 - 07:50 pm	PHYS	00215	Waddill,G	
		See 'Notes' for Evening Exams							
0.0- 0.0	71024	LAB	3L13	W	01:00 - 02:50 pm	PHYS	00215	Waddill,G	
		See 'Notes' for Evening Exams							
0.0- 0.0	71025	LAB	3L14	W	01:00 - 02:50 pm	PHYS	00215	Waddill,G	
		See 'Notes' for Evening Exams							
0.0- 0.0	71026	LAB	3L15	W	03:00 - 04:50 pm	PHYS	00215	Waddill,G	
		See 'Notes' for Evening Exams							
0.0- 0.0	71403	LAB	3L17	Th	11:00 - 12:50 pm	PHYS	00215	Waddill,G	
		See 'Notes' for Evening Exams							
0.0- 0.0	71527	LAB	3L07	T	11:00 - 12:50 pm	PHYS	00215	Waddill,G	
		See 'Notes' for Evening Exams							
0.0- 0.0	71528	LAB	3L11	T	06:00 - 07:50 pm	PHYS	00215	Waddill,G	
		See 'Notes' for Evening Exams							

		0.0-0.0	71529	LAB	3L16	W		03:00 - 04:50 pm	PHYS	00215	Waddill,G
				See 'Notes' for Evening Exams							
		0.0-0.0	71673	LAB	3L18	Th		11:00 - 12:50 pm	PHYS	00215	Waddill,G
				See 'Notes' for Evening Exams							
		0.0-0.0	71807	LAB	3L19	Th		01:00 - 02:50 pm	PHYS	00215	Waddill,G
				See 'Notes' for Evening Exams							
		0.0-0.0	72243	LAB	3L21	Th		03:00 - 04:50 pm	PHYS	00215	Waddill,G
				See 'Notes' for Evening Exams							
		0.0-0.0	72244	LAB	3L22	Th		03:00 - 04:50 pm	PHYS	00215	Waddill,G
				See 'Notes' for Evening Exams							
		0.0-0.0	72749	LAB	3L23	Th		06:00 - 07:50 pm	PHYS	00215	Waddill,G
				See 'Notes' for Evening Exams							
		0.0-0.0	72750	LAB	3L24	Th		06:00 - 07:50 pm	PHYS	00215	Waddill,G
				See 'Notes' for Evening Exams							
1145	College Physics I	3.0-3.0	71332	LEC	1A	MWF		08:00 - 08:50 am	PHYS	00104	Vojta,A
	Prerequisites: Math 1160 and either of Math 1120 or Math 1140.										
2135	Engineering Physics II	0.0-0.0	71194	LEC	1AA	MW		09:00 - 09:50 am	PHYS	00104	Waddill,G
	Prerequisites: Physics 1135 or Physics 1111, Math 1221 or Math 1215. Every student enrolled in Phys 2135 must be enrolled in a Lec AA, BB or CC and a RSD, A, B, C, etc, and a Lab L01, L02, etc. Students in Physics 2135, are scheduled for group exams from 5:00 to 6:00 on Tuesdays: Sept 19, Oct 17, and Nov 14.										
		0.0-0.0	71027	LEC	1BB	MW		10:00 - 10:50 am	PHYS	00104	Waddill,G
				See 'Notes' for Evening Exams							
		0.0-0.0	71028	LEC	1CC	ARR			ARR		Waddill,G
				See 'Notes' for Evening Exams							
		4.0-4.0	71029	RSD	2A	TTh		08:00 - 08:50 am	PHYS	00130	Waddill,G
				See 'Notes' for Evening Exams							
		4.0-4.0	71464	RSD	2B	TTh		08:00 - 08:50 am	PHYS	00129	Waddill,G
				See 'Notes' for Evening Exams							
		4.0-4.0	71030	RSD	2C	TTh		09:00 - 09:50 am	PHYS	00130	Waddill,G
				See 'Notes' for Evening Exams							
		4.0-4.0	71031	RSD	2D	TTh		09:00 - 09:50 am	PHYS	00129	Waddill,G
				See 'Notes' for Evening Exams							
		4.0-4.0	71032	RSD	2E	TTh		09:00 - 09:50 am	BCH	00314	Waddill,G
				See 'Notes' for Evening Exams							
		4.0-4.0	71033	RSD	2F	TTh		10:00 - 10:50 am	PHYS	00130	Waddill,G
				See 'Notes' for Evening Exams							
		4.0-4.0	71034	RSD	2G	TTh		10:00 - 10:50 am	PHYS	00129	Waddill,G
				See 'Notes' for Evening Exams							
		4.0-4.0	71035	RSD	2H	TTh		10:00 - 10:50 am	TMH	00249	Waddill,G
				See 'Notes' for Evening Exams							
		4.0-4.0	71036	RSD	2J	TTh		11:00 - 11:50 am	PHYS	00130	Waddill,G
				See 'Notes' for Evening Exams							
		4.0-4.0	71304	RSD	2K	TTh		11:00 - 11:50 am	PHYS	00129	Waddill,G
				See 'Notes' for Evening Exams							
		4.0-4.0	71233	RSD	2L	TTh		11:00 - 11:50 am	BCH	00216	Waddill,G
				See 'Notes' for Evening Exams							
		4.0-4.0	71037	RSD	2M	TTh		12:00 - 12:50 pm	PHYS	00130	Waddill,G
				See 'Notes' for Evening Exams							
		4.0-4.0	72245	RSD	2N	TTh		08:00 - 08:50 am	PHYS	00127	Waddill,G
				See 'Notes' for Evening Exams							
		4.0-4.0	72246	RSD	2P	TTh		12:00 - 12:50 pm	PHYS	00129	Waddill,G
				See 'Notes' for Evening Exams							
		4.0-4.0	72247	RSD	2Q	TTh		01:00 - 01:50 pm	PHYS	00130	Waddill,G
				See 'Notes' for Evening Exams							
		0.0-0.0	71039	LAB	3L02	M		01:00 - 02:50 pm	PHYS	00214	Waddill,G
				See 'Notes' for Evening Exams							
		0.0-0.0	71040	LAB	3L03	M		03:00 - 04:50 pm	PHYS	00214	Waddill,G
				See 'Notes' for Evening Exams							
		0.0-0.0	71041	LAB	3L04	M		03:00 - 04:50 pm	PHYS	00214	Waddill,G
				See 'Notes' for Evening Exams							
		0.0-0.0	71042	LAB	3L05	M		06:00 - 07:50 pm	PHYS	00214	Waddill,G
				See 'Notes' for Evening Exams							
		0.0-0.0	71043	LAB	3L06	M		06:00 - 07:50 pm	PHYS	00214	Waddill,G
				See 'Notes' for Evening Exams							
		0.0-0.0	71044	LAB	3L07	W		11:00 - 12:50 pm	PHYS	00214	Waddill,G
				See 'Notes' for Evening Exams							

CATALOG # AND COURSE TITLE	CREDIT	CLASS#	CMP	SEC	DAY	TIME	BLDG	ROOM	INSTRUCTOR
	0.0- 0.0	71045	LAB	3L09	T	01:00 - 02:50 pm	PHYS	00214	
			See 'Notes' for Evening Exams						
	0.0- 0.0	71046	LAB	3L10	T	01:00 - 02:50 pm	PHYS	00214	Waddill,G
			See 'Notes' for Evening Exams						
	0.0- 0.0	71047	LAB	3L11	T	03:00 - 04:50 pm	PHYS	00214	Waddill,G
			See 'Notes' for Evening Exams						
	0.0- 0.0	71048	LAB	3L12	T	03:00 - 04:50 pm	PHYS	00214	Waddill,G
			See 'Notes' for Evening Exams						
	0.0- 0.0	71049	LAB	3L13	W	01:00 - 02:50 pm	PHYS	00214	Waddill,G
			See 'Notes' for Evening Exams						
	0.0- 0.0	71050	LAB	3L14	W	01:00 - 02:50 pm	PHYS	00214	
			See 'Notes' for Evening Exams						
	0.0- 0.0	71051	LAB	3L15	W	03:00 - 04:50 pm	PHYS	00214	Waddill,G
			See 'Notes' for Evening Exams						
	0.0- 0.0	71052	LAB	3L16	W	03:00 - 04:50 pm	PHYS	00214	Waddill,G
			See 'Notes' for Evening Exams						
	0.0- 0.0	71053	LAB	3L17	W	06:00 - 07:50 pm	PHYS	00214	Waddill,G
			See 'Notes' for Evening Exams						
	0.0- 0.0	71234	LAB	3L18	W	06:00 - 07:50 pm	PHYS	00214	Waddill,G
			See 'Notes' for Evening Exams						
	0.0- 0.0	71292	LAB	3L19	F	11:00 - 12:50 pm	PHYS	00214	Waddill,G
			See 'Notes' for Evening Exams						
	0.0- 0.0	71305	LAB	3L20	F	11:00 - 12:50 pm	PHYS	00214	Waddill,G
			See 'Notes' for Evening Exams						
	0.0- 0.0	72249	LAB	3L22	Th	01:00 - 02:50 pm	PHYS	00214	Waddill,G
			See 'Notes' for Evening Exams						
	0.0- 0.0	72250	LAB	3L23	Th	03:00 - 04:50 pm	PHYS	00214	Waddill,G
			See 'Notes' for Evening Exams						
	0.0- 0.0	72251	LAB	3L24	Th	03:00 - 04:50 pm	PHYS	00214	Waddill,G
			See 'Notes' for Evening Exams						
	0.0- 0.0	72254	LAB	3L27	F	01:00 - 02:50 pm	PHYS	00214	Waddill,G
			See 'Notes' for Evening Exams						
	0.0- 0.0	73045	LAB	3L08	W	11:00 - 12:50 pm	PHYS	00214	Waddill,G
			See 'Notes' for Evening Exams						
2305			Introduction To Modern Physics						
			Prerequisites: Math 2222 and Physics 2135 or 2111.						
3000			Special Problems						
			Prerequisite: Consent of instructor required.						
3119			Advanced Physics Laboratory I						
			Prerequisite: Physics 2129.						
3129			Advanced Physics Laboratory II						
			Prerequisite: Physics 2129.						
3201			Physical Mechanics						
			Prerequisite: Physics 2401.						
3311			Modern Physics II						
			Prerequisites: Math 3304 or 3329, and either Physics 2305 with consent of instructor or Physics 2311.						
4099			Undergraduate Research						
	0.0- 6.0	71062	IND	6A	ARR	ARR	ARR		Chernatynskiy,A
	0.0- 6.0	71063	IND	6B	ARR	ARR	ARR		Hale,B
	0.0- 6.0	71064	IND	6C	ARR	ARR	ARR		Hor,Y
	0.0- 6.0	71065	IND	6D	ARR	ARR	ARR		Jentschura,U
	0.0- 6.0	71333	IND	6E	ARR	ARR	ARR		Madison,D
	0.0- 6.0	71066	IND	6F	ARR	ARR	ARR		Medvedeva,I
	0.0- 6.0	71067	IND	6G	ARR	ARR	ARR		Peacher,J
	0.0- 6.0	71068	IND	6H	ARR	ARR	ARR		Schulz,M
	0.0- 6.0	71069	IND	6J	ARR	ARR	ARR		Story,J
	0.0- 6.0	71070	IND	6K	ARR	ARR	ARR		Vojta,S
	0.0- 6.0	71071	IND	6L	ARR	ARR	ARR		Waddill,G
	0.0- 6.0	71334	IND	6M	ARR	ARR	ARR		Wilemski,G
	0.0- 6.0	71625	IND	6N	ARR	ARR	ARR		Yamilov,A
	0.0- 6.0	72677	IND	6P	ARR	ARR	ARR		Kurter,C
	0.0- 6.0	72678	IND	6Q	ARR	ARR	ARR		Fischer,D

CATALOG #	AND COURSE TITLE	CREDIT	CLASS#	CMP	SEC	DAY	TIME	BLDG	ROOM	INSTRUCTOR
4203	Introduction To General Relativity Prerequisite: Physics 2401.	3.0- 3.0	81126	LEC	1A	MWF	03:00 - 03:50 pm	ARR		Peacher,J
4211	Electricity And Magnetism II Prerequisite: Physics 3211.	3.0- 3.0	71057	LEC	1A	MWF	10:00 - 10:50 am	PHYS	00127	Peacher,J
4301	Introduction To Quantum Mechanics Prerequisites: Physics 2305 or 2311, 2401.	3.0- 3.0	71060	LEC	1A	MWF	11:00 - 11:50 am	PHYS	00127	Story,J
4523	Principles Of Engineering Materials (Co-listed with Aero Eng 3877, Chem Eng 5300, Met Eng 5810, Cer Eng 5810)	3.0- 3.0	71061	LEC	1A	MWF	08:00 - 08:50 am	MCNT	00216	Newkirk,J
4533	Transport in Nanostructures: An Introduction Prerequisite: Physics 2305 or 2311.	3.0- 3.0	81055	LEC	1A	MWF	09:00 - 09:50 am	PHYS	00127	Yamilov,A
5201	Classical Mechanics I Prerequisites: Math 3304, Physics 3201.	3.0- 3.0	81056	LEC	1A	TTh	12:30 - 01:45 pm	PHYS	00127	Wilemski,G
6000	Special Problems Prerequisite: Consent of instructor required.	0.0- 6.0	71072	IND	6A	ARR	ARR	ARR		Parris,P
		0.0- 6.0	71073	IND	6B	ARR	ARR	ARR		Peacher,J
		0.0- 6.0	71074	IND	6C	ARR	ARR	ARR		Story,J
		0.0- 6.0	71075	IND	6D	ARR	ARR	ARR		
6002	Coop Registration	0.0- 1.0	71093	IND	6A	ARR	ARR	ARR		Peacher,J
6010	Seminar	0.0- 6.0	71076	RSD	2A	Th	03:30 - 05:20 pm	PHYS	00104	Chernatynskiy,A
6040	Oral Examination Student will be billed for one credit hour. Not required for students otherwise enrolled. Graduate Office permission required.	0.0- 0.0	71092	IND	6A	ARR	ARR	ARR		Waddill,G
6050	Continuous Registration Doctoral students only. Graduate Office permission required.	1.0- 1.0	71094	IND	6A	ARR	ARR	ARR		Waddill,G
6099	Research Prerequisite: Consent of instructor required.	0.0-15.0	71077	IND	6A	ARR	ARR	ARR		Chernatynskiy,A
		0.0-15.0	71078	IND	6B	ARR	ARR	ARR		
		0.0-15.0	71079	IND	6C	ARR	ARR	ARR		Hale,B
		0.0-15.0	71080	IND	6D	ARR	ARR	ARR		Hor,Y
		0.0-15.0	71081	IND	6E	ARR	ARR	ARR		Jentschura,U
		0.0-15.0	71082	IND	6F	ARR	ARR	ARR		Madison,D
		0.0-15.0	71335	IND	6G	ARR	ARR	ARR		Medvedeva,I
		0.0-15.0	71083	IND	6H	ARR	ARR	ARR		Parris,P
		0.0-15.0	71084	IND	6J	ARR	ARR	ARR		Peacher,J
		0.0-15.0	71085	IND	6K	ARR	ARR	ARR		
		0.0-15.0	71086	IND	6L	ARR	ARR	ARR		Schulz,M
		0.0-15.0	71087	IND	6M	ARR	ARR	ARR		Story,J
		0.0-15.0	71088	IND	6N	ARR	ARR	ARR		Vojta,S
		0.0-15.0	71089	IND	6P	ARR	ARR	ARR		Waddill,G
		0.0-15.0	71090	IND	6Q	ARR	ARR	ARR		Wilemski,G
		0.0-15.0	71091	IND	6R	ARR	ARR	ARR		Yamilov,A
		0.0-15.0	72679	IND	6T	ARR	ARR	ARR		Kurter,C
		0.0-15.0	72680	IND	6U	ARR	ARR	ARR		Fischer,D
6211	Electrodynamics II Prerequisite: Physics 5211.	3.0- 3.0	71400	LEC	1A	TTh	11:00 - 12:15 pm	ARR		Jentschura,U
6301	Quantum Mechanics II Prerequisite: Physics 5301.	3.0- 3.0	71544	LEC	1A	TTh	09:30 - 10:45 am	PHYS	00127	Parris,P
6403	Mathematical Physics I	3.0- 3.0	81057	LEC	1A	TTh	09:30 - 10:45 am	ARR		Hale,B

Political Science

1200	American Government	3.0- 3.0	71780	LEC	1A	MWF	01:00 - 01:50 pm	H-SS	00103	Meagher,M
		3.0- 3.0	71781	LEC	1B	MWF	02:00 - 02:50 pm	H-SS	00103	Meagher,M
		3.0- 3.0	72645	LEC	1C	TTh	09:30 - 10:45 am	CS	00216	Isaac,T
		3.0- 3.0	72646	LEC	1D	TTh	11:00 - 12:15 pm	CS	00216	Isaac,T
3001	Special Topics	3.0- 3.0	80891	LEC	1A	TTh	12:30 - 01:45 pm	H-SS	000G8	Isaac,T
										Politics of the Middle East Prerequisites: Pol Sci 1200, 2400, 2500 or History 1310.
3210	Constitutional Law: Government Powers and Civil Liberties Prerequisites: Pol Sci 1200, History 1200, 1300, or 1310.	3.0- 3.0	80946	LEC	1A	CANCELLED				

CATALOG # AND COURSE TITLE	CREDIT	CLASS#	CMP	SEC	DAY	TIME	BLDG	ROOM	INSTRUCTOR
3760 The American Presidency Prerequisite: Pol Sci 1200 or History 1310. (Co-listed with History 3760)	3.0- 3.0	80890	LEC	1A	W	06:00 - 08:45 pm	H-SS	00101	Meagher,M
4000 Special Problems And Readings Prerequisite: Consent of instructor required.	0.0- 6.0	71095	IND	6A	ARR	ARR	ARR		Meagher,M
4085 Political Science Internship Prerequisite: Pol Sci 1200 or Pol Sci 1100.	0.0- 6.0	71096	IND	6A	ARR	ARR	ARR		Meagher,M

Psychology

1100 Introduction to Psychology	1.0- 1.0	71278	LEC	1A	W	01:00 - 01:50 pm	TMH	00249	Murray,S
1101 General Psychology	3.0- 3.0	71097	LEC	1A	TTh	03:30 - 04:45 pm	TMH	00199	Cundiff,J
	3.0- 3.0	71098	LEC	1B	MWF	10:00 - 10:50 am	H-SS	000G5	Krueger,M
	3.0- 3.0	71099	LEC	1C	T	06:00 - 08:45 pm	BCH	00315	Gianladis,E
	3.0- 3.0	73006	LEC	1D	TTh	02:00 - 03:15 pm	PHYS	00104	Stone,N
2001 Special Topics	3.0- 3.0		LEC	1A	CANCELLED				
	3.0- 3.0	81044	LAB	3A	CANCELLED				
2200 Research Methods Prerequisites: Psych 1101; Stat 1115, Stat 3113, or Stat 3115. Stat 1115 preferred.	4.0- 4.0		LEC	1A	MWF	09:00 - 09:50 am	H-SS	00104	Burns,D
	4.0- 4.0	73084	LAB	3A	T	02:00 - 05:00 pm	CH	00105	Burns,D
2300 Educational Psychology Prerequisite: Psych 1101. (Co-listed with Educ 2102)	3.0- 3.0	71100	LEC	1A	M	04:00 - 06:30 pm	H-SS	00103	Spooner,P
3001 Special Topics	3.0- 3.0	81037	LEC	1A	MWF	12:00 - 12:50 pm	H-SS	000G7	Henslee,A
									Drugs and Behavior Prerequisite: Psych 1101.
3310 Developmental Psychology Prerequisite: Psych 1101.	3.0- 3.0	71101	LEC	1A	MWF	11:00 - 11:50 am	BCH	00124	Krueger,M
3400 Theories Of Learning Prerequisite: Psych 1101.	3.0- 3.0	71714	LEC	1A	MWF	02:00 - 02:50 pm	H-SS	00104	Krueger,M
4000 Special Problems And Readings In Psychology	0.0- 6.0	71104	IND	6A	ARR	ARR	ARR		Baker,D
	0.0- 6.0	71102	IND	6B	ARR	ARR	ARR		Burns,D
	0.0- 6.0	71103	IND	6C	ARR	ARR	ARR		Henslee,A
	0.0- 6.0	71869	IND	6D	ARR	ARR	ARR		Kueny,C
	0.0- 6.0	72069	IND	6E	ARR	ARR	ARR		Murray,S
	0.0- 6.0	73229	IND	6F	ARR	ARR	ARR		Shank,D
	0.0- 6.0	73230	IND	6G	ARR	ARR	ARR		Sharpsteen,D
	0.0- 6.0	73231	IND	6H	ARR	ARR	ARR		Stone,N
	0.0- 6.0	73232	IND	6J	ARR	ARR	ARR		Weidner,N
4099 Undergraduate Research Prerequisite: Instructor consent.	0.0- 6.0	71290	IND	6A	ARR	ARR	ARR		Henslee,A
	0.0- 6.0	71108	IND	6B	ARR	ARR	ARR		Sharpsteen,D
	0.0- 6.0	71109	IND	6C	ARR	ARR	ARR		Stone,N
	0.0- 6.0	71870	IND	6D	ARR	ARR	ARR		Weidner,N
	0.0- 6.0	81171	IND	6E	ARR	ARR	ARR		Cundiff,J
4310 Psychology Of The Exceptional Child Prerequisite: Psych 1101. (Co-listed with Educ 4310)	3.0- 3.0	71107	LEC	1A	MWF	01:00 - 01:50 pm	H-SS	00201	Krueger,M
4500 Personality Theory Prerequisite: Psych 1101.	3.0- 3.0	72071	LEC	1A	CANCELLED				
4501 Abnormal Psychology Prerequisite: Psych 1101.	3.0- 3.0	71596	LEC	1A	MWF	02:00 - 02:50 pm	CS	00202	Henslee,A
4600 Social Psychology Prerequisite: Psych 1101.	3.0- 3.0	72517	LEC	1A	MWF	10:00 - 10:50 am	H-SS	000G7	Shank,D
4601 Group Dynamics Prerequisite: Psych 1101.	3.0- 3.0	73008	LEC	1A	MWF	03:00 - 03:50 pm	H-SS	00104	Shank,D
4700 Industrial Psychology Prerequisite: Psych 1101.	3.0- 3.0	72070	LEC	1A	MWF	02:00 - 02:50 pm	EMGT	00102	Kueny,C
4710 Human Factors Prerequisite: Psych 1101. (Co-listed with Eng Mgt 4330)	3.0- 3.0	71106	LEC	1A	TTh	09:30 - 10:45 am	EMGT	00102	Baker,D
4993 Psychology of Gender Prerequisite: Psych 1101.	3.0- 3.0	71595	LEC	1A	TTh	11:00 - 12:15 pm	H-SS	000G7	Cundiff,J
5000 Special Problems	0.0- 6.0	73245	IND	6A	ARR	ARR	ARR		Murray,S

CATALOG # AND COURSE TITLE	CREDIT	CLASS#	CMP	SEC	DAY	TIME	BLDG	ROOM	INSTRUCTOR
5010 Introduction to Industrial / Organizational Psychology Prerequisite: Graduate standing.	3.0- 3.0	81156	LEC	1A	M	04:00 - 06:30 pm	H-SS	00105	Kueny,C
	3.0- 3.0	72193	RSD	2A	CANCELLED				
5202 Applied Psychological Data Analysis Prerequisite: Graduate standing.	3.0- 3.0	81047	LEC	1A	M	07:00 - 09:30 pm	H-SS	00105	Burns,D
5210 Advanced Research Methods Prerequisite: Graduate standing.	3.0- 3.0	72519	LEC	1A	W	04:00 - 06:30 pm	H-SS	00105	Weidner,N
5700 Job Analysis and Performance Management Prerequisite: Psych 4700 or graduate standing.	3.0- 3.0	73010	LEC	1A	Th	04:00 - 06:30 pm	H-SS	00105	Kueny,C
5710 Advanced Human Factors (Co-listed with Eng Mgt 5330)	3.0- 3.0	73009	LEC	1A	Th	07:00 - 09:30 pm	H-SS	00105	Baker,D
6099 Research Prerequisites: Consent of instructor required.	0.0- 6.0	72796	IND	6A	ARR	ARR	ARR		Stone,N
	0.0- 6.0	72797	IND	6B	ARR	ARR	ARR		Weidner,N
	0.0- 6.0	81237	IND	6C	ARR	ARR	ARR		Kueny,C
	0.0- 6.0	81244	IND	6D	ARR	ARR	ARR		Baker,D
6611 Leadership for Engineers Prerequisite: Eng Mgt 5110 or Psych 4602. (Co-listed with Eng Mgt 6112)	3.0- 3.0	72008	LEC	1A	ARR	ARR	ARR		Daughton,W
6702 Personnel Selection Prerequisite: Psych 5700.	3.0- 3.0	73011	LEC	1A	T	04:00 - 06:30 pm	H-SS	00105	Stone,N

Russian

1101 Elementary Russian I Prerequisite: Entrance requirements.	4.0- 4.0	71110	LEC	1A	W	08:00 - 08:50 am	H-SS	00202	
			LEC	1A	TTh	09:30 - 10:45 am	EMGT	00106	Ivliyeva,I
1180 Readings In Science And Literature Prerequisite: Russian 1102.	4.0- 4.0	71111	LEC	1A	TTh	08:00 - 09:15 am	EMGT	00106	Ivliyeva,I
			LEC	1A	ARR	ARR	ARR		
3790 Scientific Russian Prerequisite: Russian 1180 or above.	3.0- 3.0	80875	LEC	1A	T	05:00 - 06:40 pm	H-SS	00202	Ivliyeva,I
						One hour arranged.			
			LEC	1A	ARR	ARR	ARR		
						One hour arranged.			

Spanish

1101 Elementary Spanish I Prerequisite: Entrance requirements.	4.0- 4.0	71112	LEC	1A	MW	01:00 - 02:50 pm	CS	00205	Porcel,J
1102 Elementary Spanish II Prerequisite: Spanish 1101.	4.0- 4.0	73056	LEC	1A	MW	06:00 - 08:00 pm	H-SS	00202	Irwin,A
1180 Readings And Composition Prerequisite: Spanish 1102.	4.0- 4.0	71473	LEC	1A	MW	03:00 - 04:50 pm	H-SS	00201	Irwin,A
			LEC	1A	MW	04:00 - 04:50 pm	H-SS	00202	
2160 Hispanic Culture Prerequisite: Spanish 1180.	3.0- 3.0	81170	LEC	1A	CANCELLED				
4302 Phonetics and Phonology of Spanish	3.0- 3.0	73075	LEC	1A	MW	06:00 - 07:15 pm	H-SS	00201	Porcel,J

Speech & Media Studies

1185 Principles Of Speech Prerequisite: Entrance requirements.	3.0- 3.0	71190	LEC	1A	MWF	09:00 - 09:50 am	H-SS	000G9	Robertson,T
			Communication Intensive						
	3.0- 3.0	71188	LEC	1B	MWF	10:00 - 10:50 am	H-SS	000G9	Lillie,C
			Communication Intensive						
	3.0- 3.0	71189	LEC	1C	MWF	11:00 - 11:50 am	H-SS	000G9	Lillie,C
			Communication Intensive						
	3.0- 3.0	71262	LEC	1D	MWF	01:00 - 01:50 pm	H-SS	000G9	Lillie,C
			Communication Intensive						
	3.0- 3.0	71113	LEC	1E	MWF	02:00 - 02:50 pm	H-SS	000G9	Lillie,C
			Communication Intensive						
	3.0- 3.0	71882	LEC	1F	MWF	03:00 - 03:50 pm	H-SS	000G9	Robertson,T
			Communication Intensive						
	3.0- 3.0	72255	LEC	1G	TTh	11:00 - 12:15 pm	H-SS	000G8	Devault,T
			Communication Intensive						
	3.0- 3.0	71114	LEC	1H	TTh	12:30 - 01:45 pm	H-SS	000G9	James,K
			Communication Intensive						
	3.0- 3.0	71115	LEC	1J	TTh	02:00 - 03:15 pm	H-SS	00104	Devault,T
			Communication Intensive						
	3.0- 3.0	71468	LEC	1K	TTh	03:30 - 04:45 pm	H-SS	00104	Devault,T
			Communication Intensive						
	3.0- 3.0	72169	LEC	1L	TTh	03:30 - 04:45 pm	H-SS	000G9	James,K
			Communication Intensive						

CATALOG # AND COURSE TITLE	CREDIT	CLASS#	CMP	SEC	DAY	TIME	BLDG	ROOM	INSTRUCTOR	
	3.0- 3.0	71497	LEC	1M	TTh	06:00 - 07:15 pm	H-SS	000G9	James,K	
			Communication Intensive							
	3.0- 3.0	81275	LEC	1N	TTh	02:00 - 03:15 pm	H-SS	000G9	James,K	
			Communication Intensive							
	3.0- 3.0	81293	LEC	1P	MWF	11:00 - 11:50 am	H-SS	000G8	Robertson,T	
			Communication Intensive							
2000	0.0- 6.0	71116	IND	6A	ARR	ARR	ARR		Haynes,W	
	Prerequisite: Consent of instructor required.									
2181	3.0- 3.0	71117	LEC	1B	TTh	12:30 - 01:45 pm	H-SS	00104	Devault,T	
			Communication Emphasized							
3000	0.0- 6.0	71582	IND	6A	ARR	ARR	ARR		Haynes,W	
	0.0- 6.0	72833	IND	6B	ARR	ARR	ARR		Robertson,T	
	Prerequisite: Consent of instructor required.									
3001	3.0- 3.0	80919	LEC	1A	CANCELLED					
3221	3.0- 3.0	71560	LEC	1A	W	06:30 - 09:15 pm	CSF	00114	Rupert,B	
	3.0- 3.0	72258	LEC	1B	Th	06:30 - 09:15 pm	CSF	00114	Rupert,B	
	3.0- 3.0	81248	LEC	1C	T	04:30 - 07:30 pm	CSF	00114	Phelan,R	
	Prerequisite: Sp&M S 1185 or 2181 (required for Speech minor credit); Art 1180 or Art 1185 (required for Art minor credit). (Co-listed with Art 3221)									
3265	3.0- 3.0	80876	LEC	1A	MWF	10:00 - 10:50 am	H-SS	000G8	Robertson,T	
			Communication Emphasized							
	Prerequisites: Sp&M S 2181, 3250.									
3275	3.0- 3.0	71942	LEC	1A	MWF	01:00 - 01:50 pm	H-SS	000G8	Robertson,T	
			Communication Emphasized							
	Prerequisite: Sp&M S 1185.									
4000	0.0- 6.0	71118	IND	6A	ARR	ARR	ARR		Haynes,W	
5000	0.0- 6.0	73264	IND	6A	ARR	ARR	ARR		Haynes,W	

Statistics

1115	3.0- 3.0	71119	LEC	1A	TTh	03:30 - 04:45 pm	FUL	00220	Koob,K	
3111	3.0- 3.0		LEC	1A	TTh	02:00 - 02:50 pm	FUL	00220	Koob,K	
	3.0- 3.0	71121	LAB	3A	W	02:00 - 03:50 pm	CS	00206	Koob,K	
	Prerequisite: Math 1208 or 1212 or 1214 with a grade of "C" or better.									
3113	3.0- 3.0	71448	LEC	1A	MWF	09:00 - 09:50 am	FUL	00227	Ekanayake,E	
	3.0- 3.0	71122	LEC	1B	MWF	02:00 - 02:50 pm	BCH	00124	Ekanayake,E	
	3.0- 3.0	71123	LEC	1C	TTh	08:00 - 09:15 am	BCH	00315	Du,J	
	3.0- 3.0	71449	LEC	1D	TTh	09:30 - 10:45 am	TMH	00256	Du,J	
3115	3.0- 3.0	71450	LEC	1A	MWF	11:00 - 11:50 am	IDE	00206	Hammuda,M	
	3.0- 3.0	71124	LEC	1B	TTh	09:30 - 10:45 am	CH	00104	Paige,R	
	3.0- 3.0	71919	LEC	1C	MWF	01:00 - 01:50 pm	CS	00203	Hammuda,M	
	3.0- 3.0	81212	LEC	1D	MWF	01:00 - 01:50 pm	MCNT	00211	Huo,L	
	3.0- 3.0	81277	LEC	1E	MWF	03:00 - 03:50 pm	TMH	00256	Huo,L	
3117	3.0- 3.0	71285	LEC	1A	TTh	12:30 - 01:45 pm	TMH	00256	Wen,X	
	Prerequisite: Math 2222 with a grade of "C" or better.									
4000	0.0- 6.0	71125	IND	6A	ARR	ARR	ARR		Adekpedjou,A	
	Prerequisite: Consent of instructor required.									
4099	0.0- 6.0	72064	IND	6A	ARR	ARR	ARR		Olbricht,G	
	0.0- 6.0	72311	IND	6B	ARR	ARR	ARR		Samaranayake,V	
5353	3.0- 3.0	71127	LEC	1A	T	12:30 - 01:45 pm	SHNK	00140	Samaranayake,V	
	Prerequisites: Math 2222 and one of Stat 1115, 3113, 3115 and 3117. Two evening makeup classes.									
			See 'Notes' for Class Schedule							
			LEC	1A	Th	12:30 - 01:45 pm	CH	00105		
			See 'Notes' for Class Schedule							
5425	4.0- 4.0		LEC	1A	MWF	02:00 - 02:50 pm	TMH	00256	Olbricht,G	
	4.0- 4.0	72130	LAB	3A	W	04:00 - 05:50 pm	CH	00105	Olbricht,G	
	Prerequisites: A grade of "C" or better in Math 1120, Math 1140, Math 1208, Math 1212, or Math 1214.									
5643	3.0- 3.0	71126	LEC	1A	TTh	02:00 - 03:15 pm	SHNK	00140	Adekpedjou,A	
	Prerequisite: Math 2222.									
5756	3.0- 3.0	73001	LEC	1A	CANCELLED					
	Prerequisite: Stat 5643.									

CATALOG # AND COURSE TITLE	CREDIT	CLASS#	CMP	SEC	DAY	TIME	BLDG	ROOM	INSTRUCTOR
5814 Applied Time Series Analysis Prerequisites: One of Stat 3113, 3115, 3117, 5643 and one of Math 3103, 3108, or 5108. Two evening makeup classes.	3.0- 3.0	72950	LEC	1A	CANCELLED				
6000 Special Problems Prerequisite: Consent of instructor required.	0.0- 6.0 0.0- 6.0	71128 72183	IND	6A 6B	ARR	ARR	ARR		Adepedjou,A Samaranayake,V
6001 Special Topics	3.0- 3.0	81113	LEC	1A	TTh	11:00 - 12:15 pm	EMGT	00104	Adepedjou,A
6099 Research	0.0-15.0 0.0-15.0 0.0-15.0 0.0-15.0 0.0-15.0	71240 71129 71779 72036 72186	IND	6A 6B 6C 6D 6E	ARR	ARR	ARR		Adepedjou,A Olbricht,G Paige,R Samaranayake,V Wen,X
6342 Categorical Data Analysis Prerequisites: Stat 5644 and one of Stat 5346, Stat 5353, Stat 6344, or Stat 6553.	3.0- 3.0	81125	LEC	1A	TTh	09:30 - 10:45 am	ROLLA	000G4	Wen,X
6343 Nonparametric Statistical Methods Prerequisite: Stat 5644.	3.0- 3.0	81080	LEC	1A	MWF	11:00 - 11:50 am	TMH	00249	Olbricht,G
6553 Linear Statistical Models I Prerequisites: Math 3108 and Stat 5643 and either Stat 5353 or 5644.	3.0- 3.0	73002	LEC	1A	CANCELLED				
6657 Advanced Mathematical Statistics I Prerequisites: Stat 5644 and Math 5215.	3.0- 3.0	81081	LEC	1A	TTh	12:30 - 01:45 pm	ARR		Paige,R
6814 Statistical Time Series Analysis Prerequisites: Stat 5643 and Math 3103 or 3108.	3.0- 3.0	81079	LEC	1A	TTh	03:30 - 04:45 pm	ROLLA	000G5	Samaranayake,V

Systems Engineering

5101 System Engineering and Analysis Prerequisite: Graduate Standing.	3.0- 3.0	71259	LEC	1A	T	04:00 - 06:30 pm	LIB	000G14	Pape II,L
5211 Computational Intelligence Prerequisite: Graduate Standing. (Co-listed with Elec Eng 5310 and Comp Eng 5310)	3.0- 3.0	71467	LEC	1A	W	04:00 - 06:30 pm	TMH	00260	Corns,S
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 3.0- 3.0	 80992	LEC LAB	1A 3A	MW F	08:00 - 08:50 am 08:00 - 08:50 am	CS CS	00209 00209	Zawodniok,M Zawodniok,M
6001 Special Topics	3.0- 3.0	81182	LEC	1A	W	07:00 - 09:30 pm	CS	00209	Wunsch,D
6040 Oral Examination	0.0- 0.0	72309	IND	6A	ARR	ARR	ARR		Long,S
6050 Continuous Registration	1.0- 1.0	72167	IND	6A	ARR	ARR	ARR		Long,S
6099 Research Prerequisite: Graduate standing.	1.0-15.0 1.0-15.0 1.0-15.0 1.0-15.0 1.0-15.0 1.0-15.0 1.0-15.0 1.0-15.0 1.0-15.0 1.0-15.0 1.0-15.0 1.0-15.0 1.0-15.0	72297 72298 72299 72300 72301 72302 72303 72304 72305 72306 72307 72308	IND	6A 6B 6C 6D 6E 6F 6G 6H 6J 6K 6L 6M	ARR	ARR	ARR		Corns,S Cudney,E Dagli,C Enke,D Gosavi,A Grantham,K Guardiola,I Konur,D Long,S Murray,S Qin,R Raper,S
6102 Information Based Design Prerequisites: Graduate Standing.	3.0- 3.0	71621	LEC	1A	W	04:00 - 06:30 pm	LIB	000G14	Guardiola,I
6104 Systems Architecting Prerequisites: Graduate Standing.	3.0- 3.0	71622	LEC	1A	T	07:00 - 09:30 pm	LIB	000G14	Dagli,C

CATALOG # AND COURSE TITLE	CREDIT	CLASS#	CMP	SEC	DAY	TIME	BLDG	ROOM	INSTRUCTOR
6105 Complex Engineering Systems Project Management Prerequisites: Graduate Standing.	3.0- 3.0	71412	LEC	1A	CANCELLED				
6196 Systems Engineering Capstone Prerequisites: Sys Eng 6105.	3.0- 3.0	71410	LEC	1A	M	07:00 - 09:30 pm	LIB	00316	Pape II,L
6213 Advanced Neural Networks Prerequisite: Sys Eng 5212 or equivalent neural network course.	3.0- 3.0	81241	LEC	1A	W	07:00 - 09:30 pm	BERTELS	00B12A	Dagli,C
6239 Smart Engineering System Design Prerequisites: Graduate Standing.	3.0- 3.0	72536	LEC	1A	M	07:00 - 09:30 pm	LIB	000G14	Dagli,C Curry,D Gottapu,R
6541 Distributed Systems Modeling	3.0- 3.0	72537	LEC	1A	Th	07:00 - 09:30 pm	LIB	000G14	Merz,C
6612 Investment Prerequisite: Eng Mgt 1210 or 5210. (Co-listed with Eng Mgt 6212)	3.0- 3.0	72605	LEC	1A	W	04:00 - 06:30 pm	CS	00209	Qin,R
6613 Financial Engineering Prerequisites: Eng Mgt 1210 or 5210. (Co-listed with Eng Mgt 6213)	3.0- 3.0	72606	LEC	1A	M	04:00 - 06:30 pm	LIB	000G14	Enke,D

Technical Communication

1600 Introduction to Technical Communication Prerequisite: English 1120. (Co-listed with English 1600)	3.0- 3.0	71283	LEC	1A	MWF	09:00 - 09:50 am	CS	00206	Dunstedter,L
	3.0- 3.0	71984	LEC	1B	MWF	11:00 - 11:50 am	CSF	00114	Roberson,E
	3.0- 3.0	72781	LEC	1C	MWF	10:00 - 10:50 am	CS	00206	Roberson,E
2540 Layout and Design Prerequisite: TCH COM 1600 or English 1600. (Co-listed with English 2540)	3.0- 3.0	72235	LEC	1A	TTh	11:00 - 12:15 pm	BCH	00313	Kerwin,R
2560 Technical Marketing Communication Prerequisites: English 1600 or Tch Com 1600 or English 1160. (Co-listed with ENGLISH 2560)	3.0- 3.0	72139	LEC	1A	MWF	08:00 - 08:50 am	CSF	00114	Roberson,E
	3.0- 3.0	72118	LEC	1B	MWF	09:00 - 09:50 am	CSF	00114	Roberson,E
3000 Special Problems	0.0- 6.0	71388	IND	6A	ARR	ARR	ARR		Malone,E
3001 Special Topics	3.0- 3.0	81066	LEC	1A	ARR	ARR	ARR		Malone,E
									Writing for Social Media This course is being taught the SECOND 8 Weeks of the semester.
3570 Writing in the Sciences Prerequisites: English 1120 or equivalent. Class meets second 8 weeks of the semester.	3.0- 3.0	73077	LEC	1A	ARR	ARR	ARR		UM Shared Course-Secondary
4085 Internship Prerequisites: Must have completed 24 hours in the major core curriculum.	0.0- 6.0	71540	IND	6A	ARR	ARR	ARR		Malone,E
4450 International Dimensions of Technical Communication Prerequisites: One semester of college composition or technical writing and undergraduate standing.	3.0- 3.0	80896	LEC	1A	T	07:00 - 07:50 pm	ARR		Malone,E
									UM Shared Course-Primary
4550 Proposal Writing Prerequisite: One semester of college composition or technical writing.	3.0- 3.0	80894	LEC	1A	TTh	12:30 - 01:45 pm	CSF	00114	Northcut,K
	3.0- 3.0	80895	LEC	1B	TTh	12:30 - 01:45 pm	ARR		Northcut,K
									UM Shared Course-Primary
5000 Special Problems	0.0- 6.0	72177	IND	6A	ARR	ARR	ARR		Malone,E
	0.0- 6.0	72496	IND	6B	ARR	ARR	ARR		ARR
5040 Oral Examination	0.0- 0.0	71561	IND	6A	ARR	ARR	ARR		Malone,E
5099 Research	0.0-15.0	71541	IND	6A	ARR	ARR	ARR		Malone,E
	0.0-15.0	73155	IND	6B	ARR	ARR	ARR		Wright,M
5550 Advanced Proposal Writing Prerequisites: Graduate standing.	3.0- 3.0	80901	LEC	1A	TTh	02:00 - 03:15 pm	CSF	00114	Northcut,K
5610 History of Technical Communication Prerequisites: One semester of college composition or technical writing, or graduate standing.	3.0- 3.0	80899	LEC	1A	W	07:00 - 07:50 pm	ARR		Malone,E
									UM Shared Course-Primary
6450 Advanced International Technical Communication Prerequisite: Graduate Standing.	3.0- 3.0	80897	LEC	1A	T	07:00 - 07:50 pm	ARR		Malone,E

Theatre

1142	Stage Productions, Performers Prerequisite: Participants selected by audition.	1.0- 1.0	71130	LAB	3A	ARR	ARR	ARR		Stanley,J
1143	Stage Productions, Technicians	1.0- 1.0	71131	LAB	3A	ARR	ARR	ARR		Gruenloh,T
1190	Theatre via Video	3.0- 3.0	71132	LEC	1A	T	09:30 - 10:45 am	CASTL	00143	Gruenloh,T
				Field Trip Required						
				LEC	1A	ARR	ARR	ARR		
				Field Trip Required						
2000	Special Problems	0.0- 6.0	71133	IND	6A	ARR	ARR	ARR		Shaw,K
2141	Acting I	3.0- 3.0	72114	LEC	1A	TTh	03:30 - 04:45 pm	CASTL	00143	Stanley,J
2143	Stagecraft	3.0- 3.0		LEC	1A	MW	03:00 - 03:50 pm	CASTL	00143	Shaw,K
		3.0- 3.0	72028	LAB	3A	MW	03:50 - 05:00 pm	CASTL	00143	Shaw,K
3000	Special Problems Prerequisite: Consent of instructor.	0.0- 6.0	71134	IND	6A	ARR	ARR	ARR		Shaw,K
4000	Special Problems	0.0- 6.0	71629	IND	6A	ARR	ARR	ARR		Shaw,K