

# 2018 SUMMER SEMESTER MAIN MISSOURI S&T CAMPUS CLASS OFFERINGS

CATALOG # AND COURSE TITLE	CREDIT	CLASS#	CMP	SEC	DAY	TIME	BLDG	ROOM	INSTRUCTOR
<b>Aerospace Engineering</b>									
2360 <b>Dynamics</b> Prerequisite: Grade of "C" or better in each of Civ Eng 2200, Math 2222. (Co-listed with Mech Eng 2360)	3.0- 3.0	71780	LEC	1A	MTWTh	10:20 - 11:35 am	BERTELS	00B12B	Hutcheson,R
3002 <b>Cooperative Engineering Training</b>	0.0- 6.0	71181	IND	6A	ARR	ARR	ARR		Isaac,K
4099 <b>Undergraduate Research</b>	0.0- 6.0	71183	IND	6A	ARR	ARR	ARR		Carroll,D
	0.0- 6.0	71184	IND	6B	ARR	ARR	ARR		DeMars,K
	0.0- 6.0	71185	IND	6C	ARR	ARR	ARR		Dharani,L
	0.0- 6.0	71186	IND	6D	ARR	ARR	ARR		Eversman,W
	0.0- 6.0	71187	IND	6E	ARR	ARR	ARR		Hosder,S
	0.0- 6.0	71188	IND	6F	ARR	ARR	ARR		Isaac,K
	0.0- 6.0	71189	IND	6G	ARR	ARR	ARR		Pernicka,H
	0.0- 6.0	71759	IND	6H	ARR	ARR	ARR		Riggins,D
	0.0- 6.0	71760	IND	6J	ARR	ARR	ARR		Rovey,J
5000 <b>Special Problems</b>	0.0- 6.0	71190	IND	6A	ARR	ARR	ARR		
6000 <b>Special Problems</b>	0.0- 6.0	72160	IND	6A	ARR	ARR	ARR		Dharani,L
6040 <b>Oral Examination</b> Not required for students otherwise enrolled. Permission required by Graduate Studies Office.	0.0- 0.0	71199	IND	6A	ARR	ARR	ARR		
6099 <b>Research</b> Prerequisite: Consent of instructor.	0.0-15.0	71191	IND	6A	ARR	ARR	ARR		Balakrishnan,S
	0.0-15.0	71192	IND	6B	ARR	ARR	ARR		Birman,V
	0.0-15.0	71193	IND	6C	ARR	ARR	ARR		Chandrashekhara,K
	0.0-15.0	71194	IND	6D	ARR	ARR	ARR		DeMars,K
	0.0-15.0	71195	IND	6E	ARR	ARR	ARR		Dharani,L
	0.0-15.0	71196	IND	6F	ARR	ARR	ARR		Duan,L
	0.0-15.0	71197	IND	6G	ARR	ARR	ARR		Eversman,W
	0.0-15.0	71198	IND	6H	ARR	ARR	ARR		Hosder,S
	0.0-15.0	71761	IND	6J	ARR	ARR	ARR		Isaac,K
	0.0-15.0	71762	IND	6K	ARR	ARR	ARR		Krishnamurthy,K
	0.0-15.0	71769	IND	6L	ARR	ARR	ARR		Pernicka,H
	0.0-15.0	71845	IND	6M	ARR	ARR	ARR		Riggins,D
	0.0-15.0	71853	IND	6N	ARR	ARR	ARR		Rovey,J
	0.0-15.0	72223	IND	6P	ARR	ARR	ARR		Wojnar,C
<b>Art</b>									
1180 <b>Art Appreciation</b>	3.0- 3.0	72334	LEC	1A	ARR	ARR	ARR		Myers,L
3221 <b>Fundamentals in Photography</b> 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	72451	LEC	1A	MTWTh	03:00 - 04:00 pm	H-SS	00103	Rupert,B
3260 <b>Exploring Digital Art</b>	3.0- 3.0		LEC	1A	ARR	ARR	ARR		Myers,L
	3.0- 3.0	72368	LAB	3A	ARR	ARR	ARR		Myers,L
<b>Biological Sciences</b>									
2233 <b>Evolution</b>	3.0- 3.0	71861	LEC	1A	MTWThF	09:10 - 10:10 am	BERTELS	00112A	Hou,C
			LEC	1A	MTWThF	09:10 - 10:10 am	BERTELS	00112B	
2242 <b>Cave Biology</b> Prerequisites: Any Geology, Environmental Engineering, or Biological Sciences class except Bio Sci 1201.	2.0- 2.0		LEC	1A	ARR	ARR	ARR		Potter,M
						Class meets weekdays 8:00am - 5:00pm, May 21st - 25th.			
						<b>See 'Notes' for Class Schedule</b>			
						<b>Field Trip Required</b>			

CATALOG # AND COURSE TITLE	CREDIT	CLASS#	CMP	SEC	DAY	TIME	BLDG	ROOM	INSTRUCTOR
	2.0- 2.0	72193	LAB	3A	ARR	ARR		ARR	Potter,M
									Class meets weekdays 8:00am - 5:00pm, May 21st - 25th.
									<b>See 'Notes' for Class Schedule</b>
									<b>Field Trip Required</b>
2252	2.0- 2.0		LEC	1A	ARR	ARR		ARR	Thomas,J
									Class meets weekdays 8:00am - 5:00pm, May 14th - 18th.
									<b>See 'Notes' for Class Schedule</b>
									<b>Field Trip Required</b>
	2.0- 2.0	72195	LAB	3A	ARR	ARR		ARR	Thomas,J
									Class meets weekdays 8:00am - 5:00pm, May 14th - 18th.
									<b>See 'Notes' for Class Schedule</b>
									<b>Field Trip Required</b>
2264	2.0- 2.0		LEC	1A	ARR	ARR		ARR	Niyogi,D
									Class meets 8:00am - 5:00pm, May 29th - June 2nd.
									<b>See 'Notes' for Class Schedule</b>
									<b>Field Trip Required</b>
	2.0- 2.0	71935	LAB	3A	ARR	ARR		ARR	Niyogi,D
									Class meets 8:00am - 5:00 m, May 29th - June 2nd.
									<b>See 'Notes' for Class Schedule</b>
									<b>Field Trip Required</b>
3000	0.0- 6.0	71675	IND	6A	ARR	ARR		ARR	Frank,R
	0.0- 6.0	71683	IND	6B	ARR	ARR		ARR	Hou,C
	0.0- 6.0	71682	IND	6C	ARR	ARR		ARR	Huang,Y
	0.0- 6.0	71204	IND	6D	ARR	ARR		ARR	Mormile,M
	0.0- 6.0	71649	IND	6E	ARR	ARR		ARR	Niyogi,D
	0.0- 6.0	71205	IND	6G	ARR	ARR		ARR	Semon,J
	0.0- 6.0	71206	IND	6H	ARR	ARR		ARR	Shannon,K
	0.0- 6.0	71207	IND	6J	ARR	ARR		ARR	Thimgan,M
	0.0- 6.0	71687	IND	6K	ARR	ARR		ARR	Westenberg,D
4099	1.0- 3.0	71717	IND	6A	ARR	ARR		ARR	Frank,R
	1.0- 3.0	71718	IND	6B	ARR	ARR		ARR	Hou,C
	1.0- 3.0	71719	IND	6C	ARR	ARR		ARR	Huang,Y
	1.0- 3.0	71720	IND	6D	ARR	ARR		ARR	Mormile,M
	1.0- 3.0	71721	IND	6E	ARR	ARR		ARR	Niyogi,D
	1.0- 3.0	71722	IND	6F	ARR	ARR		ARR	Semon,J
	1.0- 3.0	71723	IND	6G	ARR	ARR		ARR	Shannon,K
	1.0- 3.0	71724	IND	6H	ARR	ARR		ARR	Thimgan,M
	1.0- 3.0	71725	IND	6J	ARR	ARR		ARR	Westenberg,D
5000	0.0- 6.0	72168	IND	6A	ARR	ARR		ARR	Westenberg,D
									Prerequisite: Consent of the instructor.
5040	0.0- 0.0	71681	IND	6A	ARR	ARR		ARR	Duvernell,D
5099	0.0-15.0	71658	IND	6A	ARR	ARR		ARR	Frank,R
	0.0-15.0	71653	IND	6B	ARR	ARR		ARR	Hou,C
	0.0-15.0	71684	IND	6C	ARR	ARR		ARR	Huang,Y
	0.0-15.0	71208	IND	6D	ARR	ARR		ARR	Mormile,M
	0.0-15.0	71209	IND	6E	ARR	ARR		ARR	Niyogi,D
	0.0-15.0	71210	IND	6F	ARR	ARR		ARR	Semon,J
	0.0-15.0	71685	IND	6G	ARR	ARR		ARR	Shannon,K
	0.0-15.0	71686	IND	6H	ARR	ARR		ARR	Thimgan,M
	0.0-15.0	71211	IND	6J	ARR	ARR		ARR	Westenberg,D
	0.0-15.0	72464	IND	6K	ARR	ARR		ARR	Duvernell,D
<b>Business</b>									
4099	0.0- 6.0	71639	IND	6A	ARR	ARR		ARR	Elrod,C
	0.0- 6.0	71809	IND	6B	ARR	ARR		ARR	Lea,B
5099	0.0- 9.0	72214	IND	6A	ARR	ARR		ARR	Elrod,C
<b>Ceramic Engineering</b>									
2002	1.0- 3.0	71739	IND	6A	ARR	ARR		ARR	Schwartz,R
	0.0- 6.0	71212	IND	6A	ARR	ARR		ARR	Brow,R
4000	0.0- 6.0	71749	IND	6B	ARR	ARR		ARR	Dogan,F
	0.0- 6.0	71877	IND	6C	ARR	ARR		ARR	Fahrenheitz,W
	0.0- 6.0	71878	IND	6D	ARR	ARR		ARR	Hilmas,G

CATALOG # AND COURSE TITLE	CREDIT	CLASS#	CMP	SEC	DAY	TIME	BLDG	ROOM	INSTRUCTOR
	0.0- 6.0	71879	IND	6E	ARR	ARR	ARR		Huebner,W
	0.0- 6.0	71880	IND	6F	ARR	ARR	ARR		Rahaman,M
	0.0- 6.0	71881	IND	6G	ARR	ARR	ARR		Reidmeyer,M
	0.0- 6.0	71882	IND	6H	ARR	ARR	ARR		Smith,J
4099 <b>Undergraduate Research</b>	0.0- 6.0	71213	IND	6A	ARR	ARR	ARR		Fahrenheitz,W
5000 <b>Special Problems</b>	0.0- 6.0	71214	IND	6A	ARR	ARR	ARR		Fahrenheitz,W
	0.0- 6.0	71750	IND	6B	ARR	ARR	ARR		Reidmeyer,M
	0.0- 6.0	71847	IND	6C	ARR	ARR	ARR		Smith,J
5040 <b>Oral Examination</b>	0.0- 0.0	71225	IND	6A	ARR	ARR	ARR		
Not required for students otherwise enrolled. Graduate office permission required.									
5099 <b>Research</b>	0.0-15.0	71215	IND	6A	ARR	ARR	ARR		Brow,R
	0.0-15.0	71216	IND	6B	ARR	ARR	ARR		Day,D
	0.0-15.0	71217	IND	6C	ARR	ARR	ARR		Dogan,F
	0.0-15.0	71218	IND	6D	ARR	ARR	ARR		Fahrenheitz,W
	0.0-15.0	71219	IND	6E	ARR	ARR	ARR		Hilmas,G
	0.0-15.0	71220	IND	6F	ARR	ARR	ARR		Huebner,W
	0.0-15.0	71221	IND	6G	ARR	ARR	ARR		Rahaman,M
	0.0-15.0	71222	IND	6H	ARR	ARR	ARR		Schwartz,R
	0.0-15.0	71223	IND	6J	ARR	ARR	ARR		Smith,J
	0.0-15.0	72380	IND	6K	ARR	ARR	ARR		Watts,J
6050 <b>Continuous Registration</b>	1.0- 1.0	71226	IND	6A	ARR	ARR	ARR		Hilmas,G
Doctoral students only. Graduate office permission required.									
6085 <b>Internship</b>	0.0-15.0	71224	IND	6A	ARR	ARR	ARR		Schwartz,R
6099 <b>Research</b>	0.0-15.0	72082	IND	6A	ARR	ARR	ARR		Brow,R
	0.0-15.0	72083	IND	6B	ARR	ARR	ARR		Day,D
	0.0-15.0	72084	IND	6C	ARR	ARR	ARR		Dogan,F
	0.0-15.0	72085	IND	6D	ARR	ARR	ARR		Fahrenheitz,W
	0.0-15.0	72086	IND	6E	ARR	ARR	ARR		Hilmas,G
	0.0-15.0	72087	IND	6F	ARR	ARR	ARR		Huebner,W
	0.0-15.0	72088	IND	6G	ARR	ARR	ARR		Kumar,A
	0.0-15.0	72089	IND	6H	ARR	ARR	ARR		Lipke,D
	0.0-15.0	72090	IND	6J	ARR	ARR	ARR		Rahaman,M
	0.0-15.0	72265	IND	6K	ARR	ARR	ARR		Schwartz,R
	0.0-15.0	72362	IND	6L	ARR	ARR	ARR		Smith,J
	0.0-15.0	72381	IND	6M	ARR	ARR	ARR		Watts,J

## Chemical Engineering

2100 <b>Chemical Engineering Material &amp; Energy Balances</b>	3.0- 3.0		LEC	1A	ARR	ARR	ARR		Luks,C
	3.0- 3.0	72182	LAB	3A	ARR	ARR	ARR		Luks,C
Prerequisites: Chem 1320 or Geology 3410; Math 1215 or Math 1221; preceded or accompanied by Physics 1135.									
3002 <b>Cooperative Engineering Training</b>	0.0- 6.0	71738	IND	6A	ARR	ARR	ARR		Ludlow,D
4000 <b>Special Problems</b>	0.0- 6.0	71227	IND	6A	ARR	ARR	ARR		Al Dahhan,M
	0.0- 6.0	71228	IND	6B	ARR	ARR	ARR		Barua,D
	0.0- 6.0	71715	IND	6C	ARR	ARR	ARR		Barua,S
	0.0- 6.0	71716	IND	6D	ARR	ARR	ARR		Forciniti,D
	0.0- 6.0	71229	IND	6E	ARR	ARR	ARR		Liang,X
	0.0- 6.0	71230	IND	6F	ARR	ARR	ARR		Ludlow,D
	0.0- 6.0	71231	IND	6G	ARR	ARR	ARR		Luks,C
	0.0- 6.0	71232	IND	6H	ARR	ARR	ARR		Neogi,P
	0.0- 6.0	71233	IND	6J	ARR	ARR	ARR		Park,J
	0.0- 6.0	72150	IND	6K	ARR	ARR	ARR		Rezaei,F
	0.0- 6.0	72151	IND	6L	ARR	ARR	ARR		Rownaghi,A
	0.0- 6.0	72152	IND	6M	ARR	ARR	ARR		Schmidt,M
	0.0- 6.0	72153	IND	6N	ARR	ARR	ARR		Wang,J
4099 <b>Undergraduate Research</b>	0.0- 6.0	71234	IND	6A	ARR	ARR	ARR		Al Dahhan,M
	0.0- 6.0	71235	IND	6B	ARR	ARR	ARR		Barua,D
	0.0- 6.0	71663	IND	6C	ARR	ARR	ARR		Barua,S
	0.0- 6.0	71664	IND	6D	ARR	ARR	ARR		Forciniti,D
	0.0- 6.0	71236	IND	6E	ARR	ARR	ARR		Liang,X
	0.0- 6.0	71237	IND	6F	ARR	ARR	ARR		Ludlow,D
	0.0- 6.0	71238	IND	6G	ARR	ARR	ARR		Luks,C

CATALOG # AND COURSE TITLE	CREDIT	CLASS#	CMP	SEC	DAY	TIME	BLDG	ROOM	INSTRUCTOR
	0.0- 6.0	71239	IND	6H	ARR	ARR	ARR		Neogi,P
	0.0- 6.0	71240	IND	6J	ARR	ARR	ARR		Park,J
	0.0- 6.0	72155	IND	6K	ARR	ARR	ARR		Rezaei,F
	0.0- 6.0	72156	IND	6L	ARR	ARR	ARR		Rownaghi,A
	0.0- 6.0	72157	IND	6M	ARR	ARR	ARR		Sitton,O
	0.0- 6.0	72158	IND	6N	ARR	ARR	ARR		Smith,J
	0.0- 6.0	72159	IND	6P	ARR	ARR	ARR		Wang,J
4140 <b>Chemical Process Safety</b> Prerequisite: Preceded or accompanied by Chem Eng 3150.	3.0- 3.0	72449	LEC	1A	ARR	ARR	ARR		Ludlow,D
5000 <b>Special Problems</b>	0.0- 6.0	71241	IND	6A	ARR	ARR	ARR		Al Dahhan,M
	0.0- 6.0	71242	IND	6B	ARR	ARR	ARR		Barua,D
	0.0- 6.0	71243	IND	6C	ARR	ARR	ARR		Barua,S
	0.0- 6.0	71244	IND	6D	ARR	ARR	ARR		Forciniti,D
	0.0- 6.0	71245	IND	6E	ARR	ARR	ARR		Liang,X
	0.0- 6.0	71246	IND	6F	ARR	ARR	ARR		Ludlow,D
	0.0- 6.0	71247	IND	6G	ARR	ARR	ARR		Luks,C
	0.0- 6.0	71248	IND	6H	ARR	ARR	ARR		Neogi,P
	0.0- 6.0	72145	IND	6J	ARR	ARR	ARR		Rezaei,F
	0.0- 6.0	72146	IND	6K	ARR	ARR	ARR		Rownaghi,A
	0.0- 6.0	72147	IND	6L	ARR	ARR	ARR		Wang,J
5040 <b>Oral Examination</b> Not required for students otherwise enrolled. Graduate office permission required.	0.0- 0.0	71257	IND	6A	ARR	ARR	ARR		Al Dahhan,M
5140 <b>Intermediate Chemical Process Safety</b> Prerequisite: Graduate Standing.	3.0- 3.0	72450	LEC	1A	ARR	ARR	ARR		Ludlow,D
6040 <b>Oral Examination</b>	0.0- 0.0	72246	IND	6A	ARR	ARR	ARR		Al Dahhan,M
6050 <b>Continuous Registration</b> Doctoral students only. Graduate office permission required.	1.0- 1.0	71258	IND	6A	ARR	ARR	ARR		Al Dahhan,M
6099 <b>Research</b>	0.0-15.0	71249	IND	6A	ARR	ARR	ARR		Al Dahhan,M
	0.0-15.0	71250	IND	6B	ARR	ARR	ARR		Barua,D
	0.0-15.0	71665	IND	6C	ARR	ARR	ARR		Barua,S
	0.0-15.0	71666	IND	6D	ARR	ARR	ARR		Forciniti,D
	0.0-15.0	71251	IND	6E	ARR	ARR	ARR		Liang,X
	0.0-15.0	71252	IND	6F	ARR	ARR	ARR		Ludlow,D
	0.0-15.0	71253	IND	6G	ARR	ARR	ARR		Luks,C
	0.0-15.0	71254	IND	6H	ARR	ARR	ARR		Neogi,P
	0.0-15.0	71255	IND	6J	ARR	ARR	ARR		Park,J
	0.0-15.0	71256	IND	6K	ARR	ARR	ARR		Rezaei,F
	0.0-15.0	71863	IND	6L	ARR	ARR	ARR		Rownaghi,A
	0.0-15.0	72140	IND	6M	ARR	ARR	ARR		Smith,J
	0.0-15.0	72141	IND	6N	ARR	ARR	ARR		Wang,J
	0.0-15.0	72142	IND	6P	ARR	ARR	ARR		Westenberg,D
6140 <b>Applied Optimization In Chemical Engineering</b>	3.0- 3.0	72459	LEC	1A	MTW	12:00 - 03:00 pm	H-SS	00203	Al Dahhan,M

## Chemistry

1100 <b>Introduction To Laboratory Safety &amp; Hazardous Materials</b>	1.0- 1.0	72228	LEC	1A4	MTWThF	08:30 - 09:50 am	SHNK	00139	
									Class meets first four weeks of the semester, June 5 - June 30, 2017. <b>See 'Notes' for Class Schedule</b>
			LEC	1A4	ARR	ARR	ARR		Class meets first four weeks of the semester, June 5 - June 30, 2017. <b>See 'Notes' for Class Schedule</b>
1310 <b>General Chemistry I</b> Prerequisite: Entrance requirements.	4.0- 4.0	71900	LEC	1AA	MWF	11:30 - 12:50 pm	TMH	00295	
			LEC	1AA	ARR	ARR	ARR		
	4.0- 4.0	71899	RSD	2A1	TTh	11:30 - 12:50 pm	TMH	00295	
			RSD	2A1	ARR	ARR	ARR		
1319 <b>General Chemistry Laboratory</b> Prerequisite: Preceded or accompanied by both Chem 1310 and Chem 1100.	1.0- 1.0	72201	LAB	3A	W	01:00 - 04:00 pm	SHNK	00201	
			LAB	3A	ARR	ARR	ARR		

CATALOG # AND COURSE TITLE	CREDIT	CLASS#	CMP	SEC	DAY	TIME	BLDG	ROOM	INSTRUCTOR
1320 <b>General Chemistry II</b> Prerequisites: Chem 1310 with a grade of "C" or better and Chem 1319.	3.0- 3.0	71931	LEC	1A	MTWThF	10:20 - 11:20 am	TMH	00295	
2210 <b>Organic Chemistry I</b> Prerequisites: Chem 1310, 1319, 1320; or Chem 1351.	4.0- 4.0	72423	LEC	1A	MTWThF	11:30 - 01:10 pm	SHNK	00305	Schuman,T
4000 <b>Special Problems</b> Prerequisite: Consent of instructor required.	0.0- 6.0	71259	IND	6A	ARR	ARR	ARR		Ercal,N
4099 <b>Undergraduate Research</b> Prerequisite: Must meet departmental requirements for instruction in laboratory safety. Consent of instructor required.	0.0- 6.0	71260	IND	6A	ARR	ARR	ARR		Choudhury,A
	0.0- 6.0	71261	IND	6B	ARR	ARR	ARR		Dawes,R
	0.0- 6.0	71262	IND	6C	ARR	ARR	ARR		Ercal,N
	0.0- 6.0	71263	IND	6D	ARR	ARR	ARR		Grubbs,G
	0.0- 6.0	71264	IND	6E	ARR	ARR	ARR		Kapila,S
	0.0- 6.0	71265	IND	6F	ARR	ARR	ARR		Leventis,N
	0.0- 6.0	71266	IND	6G	ARR	ARR	ARR		Ma,Y
	0.0- 6.0	71267	IND	6H	ARR	ARR	ARR		Mochalin,V
	0.0- 6.0	71772	IND	6J	ARR	ARR	ARR		Nam,P
	0.0- 6.0	71825	IND	6K	ARR	ARR	ARR		Nath,M
	0.0- 6.0	71826	IND	6L	ARR	ARR	ARR		Reddy,V
	0.0- 6.0	71827	IND	6M	ARR	ARR	ARR		Schuman,T
	0.0- 6.0	71828	IND	6N	ARR	ARR	ARR		Shi,H
	0.0- 6.0	71829	IND	6P	ARR	ARR	ARR		Sotiriou-Leventis,C
	0.0- 6.0	71830	IND	6Q	ARR	ARR	ARR		Stavropoulos,P
	0.0- 6.0	71833	IND	6R	ARR	ARR	ARR		Switzer,J
	0.0- 6.0	71858	IND	6T	ARR	ARR	ARR		Van De Mark,M
	0.0- 6.0	71859	IND	6U	ARR	ARR	ARR		Wang,R
	0.0- 6.0	71926	IND	6V	ARR	ARR	ARR		Whitefield,P
	0.0- 6.0	71968	IND	6W	ARR	ARR	ARR		Winiarz,J
	0.0- 6.0	72285	IND	6X	ARR	ARR	ARR		Woelk,K
6040 <b>Oral Examination</b> Not required for students otherwise enrolled. Graduate office permission required.	0.0- 0.0	71287	IND	6A	ARR	ARR	ARR		Whitefield,P
6050 <b>Continuous Registration</b> Doctoral students only. Graduate office permission required.	1.0- 1.0	71288	IND	6A	ARR	ARR	ARR		Whitefield,P
6099 <b>Research</b> Prerequisite: Must meet departmental requirements for instruction in laboratory safety. Consent of instructor required.	0.0-15.0	71268	IND	6A	ARR	ARR	ARR		Choudhury,A
	0.0-15.0	71269	IND	6B	ARR	ARR	ARR		Collier,H
	0.0-15.0	71270	IND	6C	ARR	ARR	ARR		Dawes,R
	0.0-15.0	71271	IND	6D	ARR	ARR	ARR		Ercal,N
	0.0-15.0	71272	IND	6E	ARR	ARR	ARR		Grubbs,G
	0.0-15.0	71273	IND	6F	ARR	ARR	ARR		Kapila,S
	0.0-15.0	71274	IND	6G	ARR	ARR	ARR		Leventis,N
	0.0-15.0	71275	IND	6H	ARR	ARR	ARR		Long,G
	0.0-15.0	71276	IND	6J	ARR	ARR	ARR		Ma,Y
	0.0-15.0	71277	IND	6K	ARR	ARR	ARR		Mochalin,V
	0.0-15.0	71278	IND	6L	ARR	ARR	ARR		Nam,P
	0.0-15.0	71279	IND	6M	ARR	ARR	ARR		Nath,M
	0.0-15.0	71280	IND	6N	ARR	ARR	ARR		Reddy,V
	0.0-15.0	71281	IND	6P	ARR	ARR	ARR		Schuman,T
	0.0-15.0	71282	IND	6Q	ARR	ARR	ARR		Shi,H
	0.0-15.0	71283	IND	6R	ARR	ARR	ARR		Sotiriou-Leventis,C
	0.0-15.0	71284	IND	6T	ARR	ARR	ARR		Stavropoulos,P
	0.0-15.0	71285	IND	6U	ARR	ARR	ARR		Switzer,J
	0.0-15.0	71286	IND	6V	ARR	ARR	ARR		Van De Mark,M
	0.0-15.0	71860	IND	6W	ARR	ARR	ARR		Wang,R
	0.0-15.0	71927	IND	6X	ARR	ARR	ARR		Whitefield,P
	0.0-15.0	71969	IND	6Y	ARR	ARR	ARR		Winiarz,J
	0.0-15.0	72286	IND	6Z	ARR	ARR	ARR		Woelk,K
<b>Civil Engineering</b>									
2002 <b>Cooperative Engineering Training</b>	1.0- 3.0	71289	IND	6A	ARR	ARR	ARR		Burken,J

CATALOG # AND COURSE TITLE	CREDIT	CLASS#	CMP	SEC	DAY	TIME	BLDG	ROOM	INSTRUCTOR
2200 <b>Statics</b> 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.	3.0- 3.0	71201	LEC	1A	MTWThF	10:20 - 11:20 am	IDE	00105	Koen,M
2210 <b>Mechanics Of Materials</b> Prerequisite: Civ Eng 2200 with grade of "C" or better.	3.0- 3.0	71202	LEC	1A	MTWTF	09:10 - 10:10 am	ARR		Thomas,J
			LEC	1A	Th	09:10 - 10:10 am	TMH	00251	
2211 <b>Materials Testing</b> Prerequisite: Preceded or accompanied by Civ Eng 2210.	1.0- 1.0	72293	LAB	3A	TW	10:20 - 11:10 am	IDE	000G4A	Libre,N
			LAB	3A	TW	11:20 - 12:10 pm	IDE	000G6	
	1.0- 1.0	72294	LAB	3B	TW	00:00 - 00:00 am			Libre,N
4099 <b>Undergraduate Research</b>	0.0- 6.0	71305	IND	6A	ARR	ARR	ARR		Bate,B
	0.0- 6.0	71635	IND	6B	ARR	ARR	ARR		Baur,S
	0.0- 6.0	71306	IND	6C	ARR	ARR	ARR		Burken,J
	0.0- 6.0	71655	IND	6D	ARR	ARR	ARR		Chen,G
	0.0- 6.0	71307	IND	6E	ARR	ARR	ARR		Deng,W
	0.0- 6.0	71308	IND	6F	ARR	ARR	ARR		ElGawady,M
	0.0- 6.0	71309	IND	6G	ARR	ARR	ARR		Feys,D
	0.0- 6.0	71691	IND	6H	ARR	ARR	ARR		Fitch,M
	0.0- 6.0	71310	IND	6J	ARR	ARR	ARR		Khayat,K
	0.0- 6.0	71311	IND	6K	ARR	ARR	ARR		Luna,R
	0.0- 6.0	71312	IND	6L	ARR	ARR	ARR		Mendoza,C
	0.0- 6.0	71313	IND	6M	ARR	ARR	ARR		Morrison,G
	0.0- 6.0	71314	IND	6N	ARR	ARR	ARR		Myers,J
	0.0- 6.0	71315	IND	6P	ARR	ARR	ARR		Oerther,D
	0.0- 6.0	71316	IND	6Q	ARR	ARR	ARR		Richardson,D
	0.0- 6.0	71317	IND	6R	ARR	ARR	ARR		Schonberg,W
	0.0- 6.0	71318	IND	6T	ARR	ARR	ARR		Showalter,W
	0.0- 6.0	71319	IND	6U	ARR	ARR	ARR		Sneed,L
	0.0- 6.0	72358	IND	6V	ARR	ARR	ARR		Wang,J
5000 <b>Special Problems</b> Prerequisite: Consent of instructor required.	0.0- 6.0	71290	IND	6A	ARR	ARR	ARR		Bate,B
	0.0- 6.0	71634	IND	6B	ARR	ARR	ARR		Baur,S
	0.0- 6.0	71291	IND	6C	ARR	ARR	ARR		Bayless,J
	0.0- 6.0	71292	IND	6D	ARR	ARR	ARR		Burken,J
	0.0- 6.0	71654	IND	6E	ARR	ARR	ARR		Chen,G
	0.0- 6.0	71293	IND	6F	ARR	ARR	ARR		ElGawady,M
	0.0- 6.0	71294	IND	6G	ARR	ARR	ARR		Feys,D
	0.0- 6.0	71295	IND	6H	ARR	ARR	ARR		Fitch,M
	0.0- 6.0	71296	IND	6J	ARR	ARR	ARR		Khayat,K
	0.0- 6.0	71690	IND	6K	ARR	ARR	ARR		Luna,R
	0.0- 6.0	71297	IND	6L	ARR	ARR	ARR		Mendoza,C
	0.0- 6.0	71298	IND	6M	ARR	ARR	ARR		Morrison,G
	0.0- 6.0	71299	IND	6N	ARR	ARR	ARR		Myers,J
	0.0- 6.0	71300	IND	6P	ARR	ARR	ARR		Richardson,D
	0.0- 6.0	71301	IND	6Q	ARR	ARR	ARR		Schonberg,W
	0.0- 6.0	71302	IND	6R	ARR	ARR	ARR		Showalter,W
	0.0- 6.0	71303	IND	6T	ARR	ARR	ARR		Sneed,L
	0.0- 6.0	71304	IND	6U	ARR	ARR	ARR		Wang,J
5670 <b>Solid Waste Management</b> Prerequisite: Civ Eng 2601 with grade of "C" or better; or graduate standing. (Co-listed with Env Eng 5670)	3.0- 3.0	72206	LEC	1A	TTh	09:10 - 11:20 am	BCH	00213	Tucker,R
6000 <b>Special Problems</b> Prerequisite: Consent of instructor required.	0.0- 6.0	71320	IND	6A	ARR	ARR	ARR		
	0.0- 6.0	71636	IND	6B	ARR	ARR	ARR		Baur,S
	0.0- 6.0	71321	IND	6C	ARR	ARR	ARR		Burken,J
	0.0- 6.0	71656	IND	6D	ARR	ARR	ARR		Chen,G
	0.0- 6.0	71322	IND	6E	ARR	ARR	ARR		ElGawady,M
	0.0- 6.0	71323	IND	6F	ARR	ARR	ARR		Feys,D
	0.0- 6.0	71324	IND	6G	ARR	ARR	ARR		Fitch,M
	0.0- 6.0	71692	IND	6H	ARR	ARR	ARR		Khayat,K
	0.0- 6.0	71325	IND	6J	ARR	ARR	ARR		Luna,R
	0.0- 6.0	71326	IND	6K	ARR	ARR	ARR		Mendoza,C
	0.0- 6.0	71327	IND	6L	ARR	ARR	ARR		Morrison,G
	0.0- 6.0	71328	IND	6M	ARR	ARR	ARR		Myers,J
	0.0- 6.0	71329	IND	6N	ARR	ARR	ARR		Richardson,D

CATALOG # AND COURSE TITLE	CREDIT	CLASS#	CMP	SEC	DAY	TIME	BLDG	ROOM	INSTRUCTOR
	0.0- 6.0	71330	IND	6P	ARR	ARR	ARR		Schonberg,W
	0.0- 6.0	71331	IND	6Q	ARR	ARR	ARR		Showalter,W
	0.0- 6.0	71332	IND	6R	ARR	ARR	ARR		Sneed,L
	0.0- 6.0	71333	IND	6T	ARR	ARR	ARR		Wang,J
6040 <b>Oral Examination</b>	0.0- 0.0	71348	IND	6A	ARR	ARR	ARR		Burken,J
Not required for students otherwise enrolled. Graduate office permission required.	0.0- 0.0	71967	IND	6B	ARR	ARR	ARR		Bayless,J
6050 <b>Continuous Registration</b>	1.0- 1.0	71349	IND	6A	ARR	ARR	ARR		Burken,J
Doctoral students only. Graduate office permission required.									
6099 <b>Research</b>	0.0-15.0	71334	IND	6A	ARR	ARR	ARR		Bate,B
Prerequisite: Consent of instructor required.	0.0-15.0	71637	IND	6B	ARR	ARR	ARR		Baur,S
	0.0-15.0	71335	IND	6C	ARR	ARR	ARR		Burken,J
	0.0-15.0	71657	IND	6D	ARR	ARR	ARR		Chen,G
	0.0-15.0	71336	IND	6E	ARR	ARR	ARR		Deng,W
	0.0-15.0	71337	IND	6F	ARR	ARR	ARR		ElGawady,M
	0.0-15.0	71338	IND	6G	ARR	ARR	ARR		Feys,D
	0.0-15.0	71693	IND	6H	ARR	ARR	ARR		Fitch,M
	0.0-15.0	71339	IND	6J	ARR	ARR	ARR		Khayat,K
	0.0-15.0	71340	IND	6K	ARR	ARR	ARR		Luna,R
	0.0-15.0	71341	IND	6L	ARR	ARR	ARR		Mendoza,C
	0.0-15.0	71342	IND	6M	ARR	ARR	ARR		Morrison,G
	0.0-15.0	71343	IND	6N	ARR	ARR	ARR		Myers,J
	0.0-15.0	71344	IND	6P	ARR	ARR	ARR		Oerther,D
	0.0-15.0	71794	IND	6Q	ARR	ARR	ARR		Richardson,D
	0.0-15.0	71345	IND	6R	ARR	ARR	ARR		Schonberg,W
	0.0-15.0	71346	IND	6T	ARR	ARR	ARR		Showalter,W
	0.0-15.0	71347	IND	6U	ARR	ARR	ARR		Sneed,L
	0.0-15.0	72174	IND	6V	ARR	ARR	ARR		Wang,J
	0.0-15.0	72242	IND	6W	ARR	ARR	ARR		Yan,G
	0.0-15.0	72352	IND	6X	ARR	ARR	ARR		Zhang,X
	0.0-15.0	72447	IND	6Y	ARR	ARR	ARR		Wu,C
	0.0-15.0	72458	IND	6Z	ARR	ARR	ARR		Liu,J
	0.0-15.0	72466	IND	6AA	ARR	ARR	ARR		Abdelrahman,M
<b>Computer Engineering</b>									
3002 <b>Cooperative Engineering Training</b>	1.0- 1.0	71740	IND	6A	ARR	ARR	ARR		Stanley,R
Prerequisite: Consent of the Electrical and Computer Engineering Department required.									
3150 <b>Introduction to Microcontrollers and Embedded System Design</b>	3.0- 3.0	72373	LEC	1A	<b>CANCELLED</b>				
Prerequisites: COMP ENG 2210 and COMP SCI 1570 (or programming equivalent) each with grade of "C" or better.									
3151 <b>Digital Engineering Lab II</b>	1.0- 1.0	72374	LAB	3A	<b>CANCELLED</b>				
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.									
4000 <b>Special Problems</b>	1.0- 6.0	71358	IND	6A	ARR	ARR	ARR		Wunsch,D
4099 <b>Undergraduate Research</b>	1.0- 6.0	71659	IND	6A	ARR	ARR	ARR		Beetner,D
	1.0- 6.0	71359	IND	6B	ARR	ARR	ARR		Sedighsarvestani,S
	1.0- 6.0	71660	IND	6C	ARR	ARR	ARR		Wunsch,D
5040 <b>Oral Examination</b>	0.0- 0.0	71371	IND	6A	ARR	ARR	ARR		
5099 <b>Special Research And Thesis</b>	1.0-15.0	71363	IND	6A	ARR	ARR	ARR		Beetner,D
Prerequisite: Consent of instructor required.	1.0-15.0	71644	IND	6B	ARR	ARR	ARR		Cetinkaya,E
	1.0-15.0	71870	IND	6C	ARR	ARR	ARR		Choi,M
	1.0-15.0	71364	IND	6D	ARR	ARR	ARR		Drewniak,J
	1.0-15.0	71643	IND	6E	ARR	ARR	ARR		Fan,J
	1.0-15.0	71642	IND	6F	ARR	ARR	ARR		Khilkevich,V
	1.0-15.0	71366	IND	6H	ARR	ARR	ARR		Sarangapani,J
	1.0-15.0	71367	IND	6J	ARR	ARR	ARR		Sedighsarvestani,S
	1.0-15.0	71368	IND	6K	ARR	ARR	ARR		Stanley,R

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	1.0-15.0	71369	IND	6L	ARR	ARR	ARR		Wu,C
	1.0-15.0	71370	IND	6N	ARR	ARR	ARR		Wunsch,D
	1.0-15.0	72348	IND	6Q	ARR	ARR	ARR		Zawodniok,M
5410 <b>Introduction to Computer Communication Networks</b> Prerequisites: Comp Eng 3150 or computer hardware competency and Stat 3117 or Stat 3115 or Stat 5643 or equivalent.	3.0- 3.0	71975	LEC	1A	MTWThF	10:20 - 11:20 am	EECH	00103	Dua,R
6000 <b>Special Problems</b> Prerequisite: Consent of the instructor.	1.0- 6.0	71361	IND	6A	ARR	ARR	ARR		Wunsch,D
6040 <b>Oral Examination</b>	0.0- 0.0	72176	IND	6A	ARR	ARR	ARR		Beetner,D
6050 <b>Continuous Registration</b>	1.0- 1.0	71372	IND	6A	ARR	ARR	ARR		Kim,C
6099 <b>Special Research and Thesis</b> Prerequisite: Consent of the instructor required.	1.0-15.0	71976	IND	6A	ARR	ARR	ARR		Beetner,D
	1.0-15.0	71977	IND	6B	ARR	ARR	ARR		Cetinkaya,E
	1.0-15.0	71978	IND	6C	ARR	ARR	ARR		Choi,M
	1.0-15.0	71979	IND	6D	ARR	ARR	ARR		Fan,J
	1.0-15.0	71980	IND	6E	ARR	ARR	ARR		Kim,C
	1.0-15.0	71982	IND	6G	ARR	ARR	ARR		Sarangapani,J
	1.0-15.0	71983	IND	6H	ARR	ARR	ARR		Sedighsarvestani,S
	1.0-15.0	71984	IND	6J	ARR	ARR	ARR		Stanley,R
	1.0-15.0	71985	IND	6K	ARR	ARR	ARR		Watkins,S
	1.0-15.0	71986	IND	6L	ARR	ARR	ARR		Wu,C
	1.0-15.0	71987	IND	6M	ARR	ARR	ARR		Wunsch,D
	1.0-15.0	71988	IND	6N	ARR	ARR	ARR		Zawodniok,M
	1.0-15.0	71989	IND	6P	ARR	ARR	ARR		Zoughi,R

## Computer Science

1570 <b>Introduction To Programming</b> Prerequisite: Accompanied by Comp Sci 1580.	3.0- 3.0	71939	LEC	1A	MTWThF	11:30 - 12:30 pm	CS	00216	Leopold,J
1575 <b>Data Structures</b> Prerequisite: Grade of "C" or better in Comp Sci 1570.	3.0- 3.0	72320	LEC	1A	MTWThF	01:50 - 02:50 pm	CS	00216	Taylor,P
1580 <b>Introduction To Programming Laboratory</b> Prerequisite: Accompanied by Comp Sci 1570.	1.0- 1.0	71940	LAB	3A	MTWTh	10:20 - 11:20 am	CS	00206	Leopold,J
1585 <b>Data Structures Laboratory</b> Prerequisite: Preceded or accompanied by Comp Sci 1575.	1.0- 1.0	72398	LAB	3A	MWF	03:30 - 04:50 pm	CS	00206	Taylor,P
2002 <b>Cooperative Work Training</b>	1.0- 5.0	71373	IND	6A	ARR	ARR	ARR		Price,C
4000 <b>Special Problems</b>	0.0- 6.0	71677	IND	6A	ARR	ARR	ARR		Tauritz,D
4099 <b>Undergraduate Research</b>	0.0- 6.0	71376	IND	6A	ARR	ARR	ARR		Fu,Y
	0.0- 6.0	71640	IND	6B	ARR	ARR	ARR		Guo,Z
	0.0- 6.0	72399	IND	6C	ARR	ARR	ARR		Leopold,J
	0.0- 6.0	71745	IND	6D	ARR	ARR	ARR		Madria,S
	0.0- 6.0	71768	IND	6E	ARR	ARR	ARR		McMillin,B
	0.0- 6.0	72400	IND	6F	ARR	ARR	ARR		Tauritz,D
	0.0- 6.0	72401	IND	6G	ARR	ARR	ARR		Xiong,H
5000 <b>Special Problems</b>	0.0- 6.0	71375	IND	6B	ARR	ARR	ARR		Leopold,J
	0.0- 6.0	71741	IND	6C	ARR	ARR	ARR		Lin,D
	0.0- 6.0	71823	IND	6E	ARR	ARR	ARR		Morales,A
	0.0- 6.0	72326	IND	6F	ARR	ARR	ARR		Tauritz,D
5001 <b>Special Topics</b> Prerequisites: COMP SCI 1510.	3.0- 3.0	72419	LEC	1A	MTWTh	10:20 - 12:30 pm	CS	00209	Bachman,B
5099 <b>Research</b>	0.0-16.0	71379	IND	6C	ARR	ARR	ARR		Das,S
	0.0-16.0	71380	IND	6D	ARR	ARR	ARR		Ercal,F
	0.0-16.0	71381	IND	6E	ARR	ARR	ARR		Hurson,A
	0.0-16.0	71382	IND	6G	ARR	ARR	ARR		Jiang,W
	0.0-16.0	71383	IND	6H	ARR	ARR	ARR		Leopold,J
	0.0-16.0	71384	IND	6J	ARR	ARR	ARR		Lin,D
	0.0-16.0	71714	IND	6K	ARR	ARR	ARR		Madria,S
	0.0-16.0	71792	IND	6L	ARR	ARR	ARR		McMillin,B
	0.0-16.0	71796	IND	6M	ARR	ARR	ARR		Sabharwal,C
	0.0-16.0	71797	IND	6N	ARR	ARR	ARR		Sedighsarvestani,S
	0.0-16.0	71840	IND	6P	ARR	ARR	ARR		Tauritz,D
	0.0-16.0	71874	IND	6Q	ARR	ARR	ARR		Yin,Z



CATALOG # AND COURSE TITLE	CREDIT	CLASS#	CMP	SEC	DAY	TIME	BLDG	ROOM	INSTRUCTOR
5402 <b>Introduction to Data Mining</b> 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	71973	LEC	1A42	MTWThF	01:30 - 03:40 pm	CS	00209	Leopold,J
									Class meets the second four weeks of the semester, July 2 - July 27, 2018. <b>See 'Notes' for Class Schedule</b>
6000 <b>Special Problems</b> Prerequisite: Consent of instructor required.	0.0- 6.0	71377	IND	6A	ARR	ARR	ARR		McMillin,B
	0.0- 6.0	71378	IND	6B	ARR	ARR	ARR		Merz,C
	0.0- 6.0	71781	IND	6C	ARR	ARR	ARR		Tauritz,D
6040 <b>Oral Examination</b> Not required for students otherwise enrolled. Graduate office permission required.	0.0- 0.0	71385	IND	6A	ARR	ARR	ARR		Jiang,W
6050 <b>Continuous Registration</b> Doctoral students only. Graduate office permission required.	1.0- 1.0	71386	IND	6A	ARR	ARR	ARR		Jiang,W
6099 <b>Research Special Topics</b>	0.0-16.0	72402	IND	6A	ARR	ARR	ARR		Das,S
	0.0-16.0	72403	IND	6B	ARR	ARR	ARR		Fu,Y
	0.0-16.0	72122	IND	6C	ARR	ARR	ARR		Guo,Z
	0.0-16.0	72123	IND	6D	ARR	ARR	ARR		Hurson,A
	0.0-16.0	72124	IND	6E	ARR	ARR	ARR		Jiang,W
	0.0-16.0	72125	IND	6F	ARR	ARR	ARR		Leopold,J
	0.0-16.0	72126	IND	6G	ARR	ARR	ARR		Lin,D
	0.0-16.0	72127	IND	6H	ARR	ARR	ARR		Madria,S
	0.0-16.0	72128	IND	6J	ARR	ARR	ARR		McMillin,B
	0.0-16.0	72129	IND	6K	ARR	ARR	ARR		Sabharwal,C
	0.0-16.0	72130	IND	6L	ARR	ARR	ARR		Sedighsarvestani,S
	0.0-16.0	72131	IND	6N	ARR	ARR	ARR		Silvestri,S
	0.0-16.0	72132	IND	6P	ARR	ARR	ARR		Tauritz,D
	0.0-16.0	72133	IND	6Q	ARR	ARR	ARR		Wunsch,D
	0.0-16.0	72216	IND	6R	ARR	ARR	ARR		Xiong,H
	0.0-16.0	72346	IND	6T	ARR	ARR	ARR		Yin,Z

## Economics

1100 <b>Principles Of Microeconomics</b>	3.0- 3.0	71360	LEC	1A4	MTWThF	09:10 - 11:10 am	H-SS	00202	Zhou,Y
									Class meets first four weeks of the semester, June 5 - June 30, 2018.
1200 <b>Principles Of Macroeconomics</b>	3.0- 3.0	71936	LEC	1A	<b>CANCELLED</b>				
2114 <b>Managerial Economics</b> Prerequisites: Econ 1100 & 1200.	3.0- 3.0	72020	LEC	1A	<b>CANCELLED</b>				
4085 <b>Internship</b> Prerequisite: Senior status; must have completed 24 hours in major.	0.0- 6.0	71764	IND	6A	ARR	ARR	ARR		Gelles,G
4641 <b>Foundations of Sustainability</b>	3.0- 3.0	71918	LEC	1A	<b>CANCELLED</b>				
4642 <b>Introduction to Global Eco- and Social-preneurship and Innovation</b>	3.0- 3.0	72287	LEC	1A	<b>CANCELLED</b>				
5000 <b>Special Problems</b>	0.0- 6.0	72435	IND	6A	ARR	ARR	ARR		Bachman,B
5001 <b>Special Topics</b> Prerequisites: Senior or graduate standing. (Co-listed with Eng Mgt 5001)	3.0- 3.0	72417	LEC	1A	MTWTh	10:20 - 12:30 pm	CS	00209	Bachman,B
									Experiential Innovation
5644 <b>Creativity, Innovation, and Sustainability</b>	3.0- 3.0	72289	LEC	1A	<b>CANCELLED</b>				
6641 <b>Advanced Foundations of Sustainability</b>	3.0- 3.0	72134	LEC	1A	<b>CANCELLED</b>				
6642 <b>Global Eco- and Social-preneurship and Innovation</b> Prerequisites: Econ 6641.	3.0- 3.0	72288	LEC	1A	<b>CANCELLED</b>				

## Electrical Engineering

2100 <b>Circuits I</b> 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	72375	LEC	1A	MTWThF	12:00 - 01:40 pm	EECH	00112	Swift,T
2101 <b>Circuit Analysis Laboratory I</b> 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	72376	LAB	3A	TTh	01:50 - 03:40 pm	EECH	00203	<b>Communication Emphasized</b>

CATALOG # AND COURSE TITLE	CREDIT	CLASS#	CMP	SEC	DAY	TIME	BLDG	ROOM	INSTRUCTOR
2120 <b>Circuits II</b> 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	71387	LEC	1A	MTWThF	10:20 - 11:20 am	EECH	00239	Shrestha,B
2200 <b>Introduction to Electronic Devices</b> Prerequisites: Elec Eng 2100, Elec Eng 2101, and Physics 2135 each with grade of "C" or better; passing the Elec Eng Advancement Exam I. Students should enroll in Elec Eng 2200 and Elec Eng 2201 simultaneously.	3.0- 3.0	71776	LEC	1A	MTWThF	12:40 - 01:40 pm	EECH	00103	Swift,T
2201 <b>Electronic Devices Laboratory</b> Prerequisites: Elec Eng 2100, Elec Eng 2101, and Physics 2135 each with grade of "C" or better; passing the Elec Eng Advancement Exam I. Preceded or accompanied by Elec Eng 2200.	1.0- 1.0	71777	LAB	3A	TW	01:50 - 03:40 pm	EECH	00204	
2800 <b>Electrical Circuits</b> Prerequisites: Math 3304 or 3329; Physics 2135.	3.0- 3.0	71390	LEC	1A	MTWThF	08:00 - 09:00 am	BCH	00213	Kaur,A
3000 <b>Special Problems</b>	1.0- 6.0	71388	IND	6A	ARR	ARR	ARR		Dua,R
3002 <b>Cooperative Engineering Training</b> Prerequisite: Consent of the Electrical and Computer Engineering Department required.	1.0- 1.0	71389	IND	6A	ARR	ARR	ARR		Ferdowski,M
3100 <b>Electronics I</b> 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	71748	LEC	1A	MTWThF	01:50 - 02:50 pm	EECH	00239	Odun-Ayo,T
3101 <b>Electronics I Laboratory</b> 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	72196	LAB	3A	F	09:00 - 10:50 am	EECH	00204	
3600 <b>Electromagnetics</b> Prerequisites: Elec Eng 2120, Elec Eng 2101, Physics 2135, and Math 3304 each with a grade of "C" or better. Passing grade on Elec Eng Advancement Exam II.	4.0- 4.0	71778	LEC	1A	MTWThF	11:30 - 12:50 pm	EECH	00111	Mahmoodi,M
4099 <b>Undergraduate Research</b>	0.0- 6.0	71391	IND	6A	ARR	ARR	ARR		Acar,L
	0.0- 6.0	71676	IND	6B	ARR	ARR	ARR		Erickson,K
	0.0- 6.0	71392	IND	6C	ARR	ARR	ARR		Fan,J
	0.0- 6.0	71393	IND	6D	ARR	ARR	ARR		Kimball,J
	0.0- 6.0	71394	IND	6E	ARR	ARR	ARR		Kosbar,K
	0.0- 6.0	72434	IND	6F	ARR	ARR	ARR		Bo,R
	0.0- 6.0	71396	IND	6H	ARR	ARR	ARR		Pommerenke,D
	0.0- 6.0	71397	IND	6J	ARR	ARR	ARR		Sedighsarvestani,S
	0.0- 6.0	71743	IND	6K	ARR	ARR	ARR		Shrestha,B
	0.0- 6.0	71767	IND	6L	ARR	ARR	ARR		Watkins,S
	0.0- 6.0	71867	IND	6M	ARR	ARR	ARR		Wu,C
	0.0- 6.0	71873	IND	6N	ARR	ARR	ARR		Zheng,Y
	0.0- 6.0	72349	IND	6P	ARR	ARR	ARR		Zoughi,R
4380 <b>Practicum in Automation Engineering</b> Prerequisites: Elec Eng 3340	3.0- 3.0	72213	LAB	3A	ARR	ARR	ARR		Erickson,K
5040 <b>Oral Examination</b> Not required for students otherwise enrolled. Graduate office permission required.	0.0- 0.0	71422	IND	6A	ARR	ARR	ARR		
5099 <b>Special Research And Thesis</b> Prerequisite: Consent of instructor required.	0.0-15.0	71401	IND	6A	ARR	ARR	ARR		Acar,L
	0.0-15.0	71402	IND	6B	ARR	ARR	ARR		Beetner,D
	0.0-15.0	71403	IND	6C	ARR	ARR	ARR		Crow,M

CATALOG # AND COURSE TITLE	CREDIT	CLASS#	CMP	SEC	DAY	TIME	BLDG	ROOM	INSTRUCTOR
	0.0-15.0	71404	IND	6D	ARR	ARR	ARR		Donnell,K
	0.0-15.0	71671	IND	6E	ARR	ARR	ARR		Drewniak,J
	0.0-15.0	71405	IND	6F	ARR	ARR	ARR		Erickson,K
	0.0-15.0	71406	IND	6G	ARR	ARR	ARR		Fan,J
	0.0-15.0	71407	IND	6H	ARR	ARR	ARR		Ferdowski,M
	0.0-15.0	71408	IND	6K	ARR	ARR	ARR		Huang,J
	0.0-15.0	71672	IND	6L	ARR	ARR	ARR		Khilkevich,V
	0.0-15.0	71668	IND	6M	ARR	ARR	ARR		Kim,C
	0.0-15.0	71409	IND	6N	ARR	ARR	ARR		Kimball,J
	0.0-15.0	71410	IND	6P	ARR	ARR	ARR		Kosbar,K
	0.0-15.0	71412	IND	6R	ARR	ARR	ARR		Pommerenke,D
	0.0-15.0	71413	IND	6T	ARR	ARR	ARR		Sarangapani,J
	0.0-15.0	71414	IND	6U	ARR	ARR	ARR		Sedighsarvestani,S
	0.0-15.0	71415	IND	6V	ARR	ARR	ARR		Shamsi,P
	0.0-15.0	71922	IND	6W	ARR	ARR	ARR		Stanley,R
	0.0-15.0	71416	IND	6X	ARR	ARR	ARR		Watkins,S
	0.0-15.0	71923	IND	6Y	ARR	ARR	ARR		Wu,C
	0.0-15.0	71417	IND	6Z	ARR	ARR	ARR		Wunsch,D
	0.0-15.0	71419	IND	6BB	ARR	ARR	ARR		Zawodniok,M
	0.0-15.0	71421	IND	6DD	ARR	ARR	ARR		Zheng,Y
	0.0-15.0	72237	IND	6EE	ARR	ARR	ARR		Zoughi,R
	0.0-15.0	72460	IND	6FF	ARR	ARR	ARR		Hwang,C
6000	<b>Special Problems</b>	0.0- 6.0	71398	IND	6A	ARR	ARR	ARR	Drewniak,J
	Prerequisite: Consent of instructor required.	0.0- 6.0	71399	IND	6B	ARR	ARR	ARR	Ferdowski,M
6050	<b>Continuous Registration</b>	0.0- 6.0	71400	IND	6C	ARR	ARR	ARR	Pommerenke,D
	Doctoral students only. Graduate office permission required.	1.0- 1.0	71423	IND	6A	ARR	ARR	ARR	Kim,C
6099	<b>Special Research And Thesis</b>	0.0-15.0	71991	IND	6A	ARR	ARR	ARR	Acar,L
		0.0-15.0	71992	IND	6B	ARR	ARR	ARR	Beetner,D
		0.0-15.0	71993	IND	6C	ARR	ARR	ARR	Cetinkaya,E
		0.0-15.0	71994	IND	6D	ARR	ARR	ARR	Choi,M
		0.0-15.0	71995	IND	6E	ARR	ARR	ARR	Crow,M
		0.0-15.0	71996	IND	6F	ARR	ARR	ARR	Drewniak,J
		0.0-15.0	71997	IND	6G	ARR	ARR	ARR	Donnell,K
		0.0-15.0	71998	IND	6H	ARR	ARR	ARR	Erickson,K
		0.0-15.0	71999	IND	6J	ARR	ARR	ARR	Fan,J
		0.0-15.0	72000	IND	6K	ARR	ARR	ARR	Ferdowski,M
		0.0-15.0	72001	IND	6M	ARR	ARR	ARR	Ferguson,I
		0.0-15.0	72002	IND	6N	ARR	ARR	ARR	Huang,J
		0.0-15.0	72003	IND	6P	ARR	ARR	ARR	Khilkevich,V
		0.0-15.0	72004	IND	6Q	ARR	ARR	ARR	Kim,C
		0.0-15.0	72005	IND	6R	ARR	ARR	ARR	Kimball,J
		0.0-15.0	72006	IND	6T	ARR	ARR	ARR	Kosbar,K
		0.0-15.0	72007	IND	6U	ARR	ARR	ARR	Modares,H
		0.0-15.0	72009	IND	6W	ARR	ARR	ARR	Pommerenke,D
		0.0-15.0	72010	IND	6X	ARR	ARR	ARR	Sarangapani,J
		0.0-15.0	72011	IND	6Y	ARR	ARR	ARR	Sedighsarvestani,S
		0.0-15.0	72012	IND	6Z	ARR	ARR	ARR	Shamsi,P
		0.0-15.0	72013	IND	6AA	ARR	ARR	ARR	Stanley,R
		0.0-15.0	72014	IND	6BB	ARR	ARR	ARR	Watkins,S
		0.0-15.0	72015	IND	6CC	ARR	ARR	ARR	Wu,C
		0.0-15.0	72016	IND	6DD	ARR	ARR	ARR	Wunsch,D
		0.0-15.0	72018	IND	6FF	ARR	ARR	ARR	Zawodniok,M
		0.0-15.0	72240	IND	6GG	ARR	ARR	ARR	Zheng,Y
		0.0-15.0	72331	IND	6HH	ARR	ARR	ARR	Zoughi,R

## Engineering Management

1100	<b>Practical Concepts for Technical Managers</b>	1.0- 1.0	71932	LEC	1A	ARR	ARR	ARR	Grasman,K
1210	<b>Economic Analysis of Engineering Projects</b>	2.0- 2.0	71831	LEC	1A	ARR	ARR	ARR	Grasman,K
	Prerequisites: Math 1214.								
2002	<b>Cooperative Engineering Training</b>	0.0- 6.0	71729	IND	6A	ARR	ARR	ARR	Raper,S

CATALOG # AND COURSE TITLE	CREDIT	CLASS#	CMP	SEC	DAY	TIME	BLDG	ROOM	INSTRUCTOR
5001 <b>Special Topics</b> Prerequisites: Senior or graduate standing. (Co-listed with Econ 5001)	3.0- 3.0	72418	LEC	1A	MTWTh	10:20 - 12:30 pm	CS	00209	Bachman,B
									Experimental Innovation
5320 <b>Project Management</b> Prerequisite: Graduate Standing.	3.0- 3.0	72420	LEC	1A	MW	04:00 - 06:30 pm	CS	00209	Berry,R
6040 <b>Oral Examination</b> Not required for students otherwise enrolled. Graduate office permission required.	0.0- 0.0	71424	IND	6A	ARR	ARR	ARR		Long,S
6050 <b>Continuous Registration</b> Doctoral students only. Graduate office permission required.	1.0- 1.0	71425	IND	6A	ARR	ARR	ARR		Long,S
6099 <b>Research</b>	0.0-15.0	72031	IND	6A	ARR	ARR	ARR		Corns,S
	0.0-15.0	72032	IND	6B	ARR	ARR	ARR		Cudney,E
	0.0-15.0	72033	IND	6C	ARR	ARR	ARR		Dagli,C
	0.0-15.0	72034	IND	6D	ARR	ARR	ARR		Enke,D
	0.0-15.0	72035	IND	6E	ARR	ARR	ARR		Gosavi,A
	0.0-15.0	72037	IND	6G	ARR	ARR	ARR		Guardiola,I
	0.0-15.0	72038	IND	6H	ARR	ARR	ARR		Konur,D
	0.0-15.0	72039	IND	6J	ARR	ARR	ARR		Long,S
	0.0-15.0	72041	IND	6L	ARR	ARR	ARR		Qin,R
	0.0-15.0	72042	IND	6M	ARR	ARR	ARR		Raper,S
	0.0-15.0	72043	IND	6N	ARR	ARR	ARR		Sun,Z
6113 <b>Advanced Personnel Management</b>	3.0- 3.0	72185	LEC	1A	MW	04:00 - 06:30 pm	BCH	00121	Spurlock,D

## English

1000 <b>Special Problems And Readings</b> Consent of instructor required.	0.0- 6.0	71426	IND	6A	ARR	ARR	ARR		
1120 <b>Exposition And Argumentation</b>	3.0- 3.0	71824	LEC	1A	ARR	ARR	ARR		Tate,K
1160 <b>Writing And Research</b> Prerequisite: English 1120.	3.0- 3.0	71925	LEC	1A	ARR	ARR	ARR		Goldberg,M
1211 <b>British Literature I: The Beginnings To 1800</b>	3.0- 3.0	72217	LEC	1B	ARR	ARR	ARR		Larson,J
	3.0- 3.0	71971	LEC	1A4	ARR	ARR	ARR		Malone,E
									Class meets first four weeks, M-F 7:00-8:00pm June 5 - June 30, 2017.
									<b>See 'Notes' for Class Schedule</b>
1600 <b>Introduction to Technical Communication</b> Prerequisite: English 1120. (Co-listed with TCH COM 1600)	3.0- 3.0	71893	LEC	1A42	ARR	ARR	ARR		Northcut,K
									Course meets 2nd four weeks of the semester.
									<b>See 'Notes' for Class Schedule</b>
2243 <b>Science Fiction And Fantasy Literature</b> Prerequisites: English 1120 and a semester of college literature.	3.0- 3.0	72190	LEC	1A	ARR	ARR	ARR		Reardon,D
3000 <b>Special Problems</b>	0.0- 6.0	71428	IND	6A	ARR	ARR	ARR		Swenson,K
	0.0- 6.0	71857	IND	6B	ARR	ARR	ARR		Wright,M
3001 <b>Special Topics</b> Prerequisites: English 1120 or equivalent.	3.0- 3.0	72410	LEC	1A	ARR	ARR	ARR		Hercula,S
									English Grammar
									<b>UM Shared Course-Primary</b>
3085 <b>Internship</b> Prerequisite: Senior status; must have completed 24 hours in the major.	0.0- 6.0	72227	IND	6A	ARR	ARR	ARR		Swenson,K
3234 <b>Myth &amp; Folklore</b> Prerequisites: English 1120 and one semester of college literature.	3.0- 3.0	72266	LEC	1A	ARR	ARR	ARR		Bryan,E
3560 <b>Technical Writing</b> Prerequisites: English 1120 and second-semester junior standing.	3.0- 3.0	71427	LEC	1A	ARR	ARR	ARR		Wright,M
	3.0- 3.0	72218	LEC	1B	ARR	ARR	ARR		Roberson,E

## Enterprise Resource Planning

5410 <b>Use of Business Intelligence</b> Prerequisites: IS&T 1750 or equivalent; ERP 2110 or preceded or accompanied by ERP 5110.	3.0- 3.0	72391	LEC	1A	ARR	ARR	ARR		Yu,W
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## Environmental Engineering

4099 <b>Undergraduate Research</b>	0.0- 6.0	72215	IND	6A	ARR	00:00 - 00:00 am	ARR		Fitch,M
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CATALOG # AND COURSE TITLE	CREDIT	CLASS#	CMP	SEC	DAY	TIME	BLDG	ROOM	INSTRUCTOR
5670 <b>Solid Waste Management</b> Prerequisite: Civ Eng 2601 with grade of "C" or better; or graduate standing. (Co-listed with Civ Eng 5670)	3.0- 3.0	72207	LEC	1A	TTh	09:10 - 11:20 am	BCH	00213	Tucker,R
6000 <b>Special Problems</b>	0.0- 6.0	71350	IND	6A	ARR	ARR	ARR		Burken,J
	0.0- 6.0	71351	IND	6B	ARR	ARR	ARR		Fitch,M
	0.0- 6.0	71352	IND	6C	ARR	ARR	ARR		Morrison,G
	0.0- 6.0	71353	IND	6D	ARR	ARR	ARR		Oerther,D
	0.0- 6.0	71834	IND	6E	ARR	ARR	ARR		Wang,J
6040 <b>Oral Examination</b> Not required for students otherwise enrolled. Graduate office permission required.	0.0- 0.0	71887	IND	6A	ARR	ARR	ARR		Burken,J
6099 <b>Research</b> Prerequisite: Consent of instructor.	0.0-15.0	71354	IND	6A	ARR	ARR	ARR		Burken,J
	0.0-15.0	71355	IND	6B	ARR	ARR	ARR		Fitch,M
	0.0-15.0	71356	IND	6C	ARR	ARR	ARR		Morrison,G
	0.0-15.0	71357	IND	6D	ARR	ARR	ARR		Oerther,D
	0.0-15.0	71835	IND	6E	ARR	ARR	ARR		Wang,J

## Explosives Engineering

6050 <b>Continuous Registration</b> Doctoral students only. Graduate office permission required.	1.0- 1.0	72438	IND	6A	ARR	ARR	ARR		Lusk,B
6080 <b>Industry Project</b> Prerequisite: 12 hours Exp Eng coursework.	3.0- 3.0	71909	LAB	3A	ARR	ARR	ARR		Worsey,P
6099 <b>Research</b> Prerequisites: Consent of instructor required.	0.0-15.0	71876	IND	6A	ARR	ARR	ARR		Worsey,P
	0.0-15.0	72139	IND	6B	ARR	ARR	ARR		Johnson,C
	0.0-15.0	72166	IND	6C	ARR	ARR	ARR		Lusk,B
	0.0-15.0	72279	IND	6D	ARR	ARR	ARR		Perry,K

## French

1101 <b>Elementary French I</b>	4.0- 4.0	72370	LEC	1A4	MTWThF	11:30 - 02:00 pm	H-SS	000G8	Webster,C
									Classes meet the first 4 weeks.
1102 <b>Elementary French II</b> Prerequisite: French 1101.	4.0- 4.0	72371	LEC	1A42	MTWThF	11:30 - 02:00 pm	H-SS	000G8	Webster,C
									Classes meet the last 4 weeks.

## Geological Engineering

4099 <b>Undergraduate Research</b>	0.0- 6.0	71430	IND	6A	ARR	ARR	ARR		Maerz,N
5085 <b>Internship</b>	0.0-15.0	71438	IND	6A	ARR	ARR	ARR		Grote,K
5099 <b>Research</b>	0.0-15.0	71432	IND	6A	ARR	ARR	ARR		Anderson,N
	0.0-15.0	71433	IND	6B	ARR	ARR	ARR		Cawfield,J
	0.0-15.0	71434	IND	6C	ARR	ARR	ARR		Gertsch,L
	0.0-15.0	71435	IND	6D	ARR	ARR	ARR		
	0.0-15.0	71436	IND	6E	ARR	ARR	ARR		Grote,K
	0.0-15.0	71437	IND	6F	ARR	ARR	ARR		Guggenberger,J
	0.0-15.0	71732	IND	6G	ARR	ARR	ARR		Maerz,N
	0.0-15.0	72188	IND	6H	ARR	ARR	ARR		Rogers,J
6000 <b>Special Problems</b> Prerequisite: Consent of instructor required.	0.0- 6.0	71431	IND	6A	ARR	ARR	ARR		Anderson,N
	0.0- 6.0	71730	IND	6B	ARR	ARR	ARR		Bunch,J
	0.0- 6.0	71790	IND	6C	ARR	ARR	ARR		Gertsch,L
	0.0- 6.0	71915	IND	6D	ARR	ARR	ARR		Grote,K
	0.0- 6.0	72022	IND	6E	ARR	ARR	ARR		Guggenberger,J
	0.0- 6.0	72189	IND	6F	ARR	ARR	ARR		Maerz,N
6040 <b>Oral Examination</b> Not required for students otherwise enrolled. Graduate office permission required.	0.0- 0.0	71439	IND	6A	ARR	ARR	ARR		
6050 <b>Continuous Registration</b> Doctoral students only. Graduate office permission required.	1.0- 1.0	71440	IND	6A	ARR	ARR	ARR		Grote,K
6099 <b>Research</b>	0.0-15.0	72330	IND	6A	ARR	ARR	ARR		Maerz,N

CATALOG # AND COURSE TITLE	CREDIT	CLASS#	CMP	SEC	DAY	TIME	BLDG	ROOM	INSTRUCTOR
<b>Geology</b>									
1141 <b>Physical Oceanography</b> Prerequisites: GEOLOGY 1110 or GEOLOGY 1120 or equivalent.	3.0- 3.0	72378	LEC	1A	TW	09:00 - 11:20 am	MCNT	00243	Adojoh,O
			LEC	1A	Th	09:00 - 10:10 am	ARR		
4000 <b>Special Problems</b> Prerequisite: Consent of instructor required.	0.0- 6.0	71442	IND	6A	ARR	ARR	ARR		Oboh Ikuenobe,F
	0.0- 6.0	72461	IND	6B	ARR	ARR	ARR		Obrist Farnar,J
4099 <b>Undergraduate Research</b>	0.0- 6.0	71443	IND	6A	ARR	ARR	ARR		Locmelis,M
	0.0- 6.0	71638	IND	6B	ARR	ARR	ARR		Oboh Ikuenobe,F
	0.0- 6.0	72337	IND	6C	ARR	ARR	ARR		Obrist Farnar,J
	0.0- 6.0	72359	IND	6D	ARR	ARR	ARR		Wronkiewicz,D
4721 <b>Meteorology and Climatology</b> Prerequisites: GEOLOGY 1110 or GEOLOGY 1120 or equivalent.	3.0- 3.0	72379	LEC	1A	Th	01:50 - 02:50 pm	MCNT	00243	Adojoh,O
			LEC	1A	TW	01:50 - 04:00 pm	MCNT	00243	Adojoh,O
4731 <b>Astronomy and Planetary Science</b> Prerequisite: Entrance requirements for the MST program in Earth Science.	3.0- 3.0	72295	LEC	1A	MWF	12:40 - 02:50 pm	MCNT	00312	Locmelis,M
						Course meets 1st 4 weeks of semester.			
5000 <b>Special Problems</b> Prerequisite: Consent of instructor required.	0.0- 6.0	71444	IND	6A	ARR	ARR	ARR		Hogan,J
	0.0- 6.0	71445	IND	6B	ARR	ARR	ARR		Oboh Ikuenobe,F
5040 <b>Oral Examination</b> Not required for students otherwise enrolled . Permission required by Graduate Studies Office.	0.0- 0.0	71450	IND	6A	ARR	ARR	ARR		Oboh Ikuenobe,F
5099 <b>Research</b>	0.0-15.0	71446	IND	6A	ARR	ARR	ARR		Borrok,D
	0.0-15.0	71447	IND	6B	ARR	ARR	ARR		Hogan,J
	0.0-15.0	71448	IND	6C	ARR	ARR	ARR		Locmelis,M
	0.0-15.0	71449	IND	6D	ARR	ARR	ARR		Oboh Ikuenobe,F
	0.0-15.0	72268	IND	6E	ARR	00:00 - 00:00 am	ARR		Obrist Farnar,J
	0.0-15.0	72270	IND	6F	ARR	00:00 - 00:00 am	ARR		Wronkiewicz,D
	0.0-15.0	72389	IND	6G	ARR	ARR	ARR		Yang,W
6050 <b>Continuous Registration</b> Doctoral students only. Permission required by Graduate Studies Office.	1.0- 1.0	71451	IND	6A	ARR	ARR	ARR		Borrok,D
6421 <b>Environmental Geology</b> Prerequisites: GEOLOGY 1110 or 1120 or equivalents.	3.0- 3.0	71949	LEC	1A	TTh	02:00 - 03:15 pm	BERTELS	00B12B	Tucker,R
6541 <b>Geology of Natural Resources</b> Prerequisites: GEOLOGY 1110 or 1120 or equivalents.	3.0- 3.0	72296	LEC	1A	MW	09:10 - 11:20 am	BCH	00213	Tucker,R

## Geophysics

4000 <b>Special Problems</b>	0.0- 6.0	71452	IND	6A	ARR	ARR	ARR		Anderson,N
	0.0- 6.0	72023	IND	6B	ARR	ARR	ARR		Gao,S
	0.0- 6.0	72186	IND	6C	ARR	ARR	ARR		Liu,K
4099 <b>Undergraduate Research</b>	0.0- 6.0	71453	IND	6A	ARR	ARR	ARR		Anderson,N
	0.0- 6.0	72024	IND	6B	ARR	ARR	ARR		Gao,S
	0.0- 6.0	72187	IND	6C	ARR	ARR	ARR		Liu,K
5000 <b>Special Problems</b> Prerequisite: Consent of instructor required.	0.0- 6.0	71454	IND	6A	ARR	ARR	ARR		Anderson,N
	0.0- 6.0	71854	IND	6B	ARR	ARR	ARR		Gao,S
	0.0- 6.0	71855	IND	6C	ARR	ARR	ARR		Liu,K
5040 <b>Oral Examination</b> Not required for students otherwise enrolled. Permission required by Graduate Studies Office.	0.0- 0.0	71457	IND	6A	ARR	ARR	ARR		
5099 <b>Research</b> Prerequisite: Consent of instructor required.	0.0-15.0	71455	IND	6A	ARR	ARR	ARR		Anderson,N
	0.0-15.0	71456	IND	6B	ARR	ARR	ARR		Atekwana,E
	0.0-15.0	71733	IND	6C	ARR	ARR	ARR		Gao,S
	0.0-15.0	71734	IND	6D	ARR	ARR	ARR		Liu,K
6050 <b>Continuous Registration</b> Doctoral students only. Permission required by Graduate Studies Office.	1.0- 1.0	71458	IND	6A	ARR	ARR	ARR		Gao,S

## History

1300	<b>American History To 1877</b>	3.0- 3.0	72365	LEC	1A42	MTWThF	10:20 - 12:30 pm	H-SS	00101	Pope,J
										Class meets second 4 weeks of the semester. July 2nd-July 27th, 2018.
2001	<b>Special Topics</b>	0.0- 6.0	72448	LEC	1A	ARR	ARR	ARR		McManus,J
										Veterans in America Class meets June 11 - August 3, 2018. <b>See 'Notes' for Class Schedule</b>
4000	<b>Special Problems</b>	0.0- 6.0	71680	IND	6A	ARR	ARR	ARR		Ahmad,D
		0.0- 6.0	71459	IND	6B	ARR	ARR	ARR		Bruening,M
		0.0- 6.0	71646	IND	6C	ARR	ARR	ARR		Fogg,S
		0.0- 6.0	71460	IND	6D	ARR	ARR	ARR		Gragg,L
		0.0- 6.0	71726	IND	6E	ARR	ARR	ARR		Huber,P
		0.0- 6.0	71891	IND	6F	ARR	ARR	ARR		Schramm,J
		0.0- 6.0	71892	IND	6G	ARR	ARR	ARR		Sheppard,K
4085	<b>Internship</b>	0.0- 6.0	71795	IND	6A	ARR	ARR	ARR		Huber,P
	Prerequisites: Senior status; must have completed 24 hours in major.									
4097	<b>Senior Project</b>	3.0- 3.0	72233	LEC	1A	ARR	ARR	ARR		Fogg,S
	Prerequisites: History 2790 and senior standing.									

## Info Science & Technology

3333	<b>Data Networks and Information Security</b>	3.0- 3.0	72366	LEC	1A	ARR	ARR	ARR		Twyman,N
	Prerequisites: IS&T 1750; IS&T 1552 or Comp Sci 1510. <b>REQUIRED:</b> Additional exam proctoring fees will be assessed twice during the semester.									
4099	<b>Undergraduate Research</b>	0.0- 6.0	71462	IND	6A	ARR	ARR	ARR		Hall,R
5000	<b>Special Problems</b>	0.0- 6.0	71463	IND	6A	ARR	ARR	ARR		Hall,R
	Consent of instructor required.									
		0.0- 6.0	71670	IND	6B	ARR	ARR	ARR		Hilgers,M
		0.0- 6.0	71673	IND	6C	ARR	ARR	ARR		Lea,B
		0.0- 6.0	71843	IND	6D	ARR	ARR	ARR		Yu,W
5099	<b>Research</b>	0.0-15.0	71464	IND	6A	ARR	ARR	ARR		Hall,R
	Consent of instructor required.									
		0.0-15.0	71641	IND	6B	ARR	ARR	ARR		Hilgers,M
		0.0-15.0	71647	IND	6C	ARR	ARR	ARR		Lea,B
		0.0-15.0	71648	IND	6D	ARR	ARR	ARR		Nah,F
		0.0-15.0	71773	IND	6E	ARR	ARR	ARR		Yu,W

## Marketing

5000	<b>Special Problems</b>	0.0- 6.0	71905	IND	6A	ARR	ARR	ARR		Fukawa,N
	Prerequisite: Consent of instructor required.									
5320	<b>Marketing for Non-Profits</b>	3.0- 3.0	71970	LEC	1A4	MTWThF	03:00 - 05:00 pm	EECH	00239	Stanley,S
	Prerequisites: At least Junior standing. <b>See 'Notes' for Class Schedule</b>									

## Materials Science & Eng

5040	<b>Oral Examination</b>	0.0- 0.0	71775	IND	6A	ARR	ARR	ARR		Huebner,W
5099	<b>Research</b>	0.0-15.0	71694	IND	6A	ARR	ARR	ARR		Asle Zaeem,M
		0.0-15.0	71695	IND	6B	ARR	ARR	ARR		Brow,R
		0.0-15.0	71696	IND	6C	ARR	ARR	ARR		Day,D
		0.0-15.0	71697	IND	6D	ARR	ARR	ARR		Dogan,F
		0.0-15.0	71698	IND	6E	ARR	ARR	ARR		Fahrenholtz,W
		0.0-15.0	71699	IND	6F	ARR	ARR	ARR		Hilmas,G
		0.0-15.0	71700	IND	6G	ARR	ARR	ARR		Huebner,W
		0.0-15.0	71701	IND	6H	ARR	ARR	ARR		Lekakh,S
		0.0-15.0	71702	IND	6J	ARR	ARR	ARR		Miller,F
		0.0-15.0	71703	IND	6K	ARR	ARR	ARR		Moats,M
		0.0-15.0	71704	IND	6L	ARR	ARR	ARR		Newkirk,J
		0.0-15.0	71706	IND	6N	ARR	ARR	ARR		Rahaman,M
		0.0-15.0	71707	IND	6P	ARR	ARR	ARR		Richards,V
		0.0-15.0	71708	IND	6Q	ARR	ARR	ARR		Schlesinger,M
		0.0-15.0	71709	IND	6R	ARR	ARR	ARR		Schwartz,R
		0.0-15.0	71710	IND	6T	ARR	ARR	ARR		Smith,J
		0.0-15.0	71711	IND	6U	ARR	ARR	ARR		Switzer,J
		0.0-15.0	71712	IND	6V	ARR	ARR	ARR		Van Aken,D

CATALOG #	AND COURSE TITLE	CREDIT	CLASS#	CMP	SEC	DAY	TIME	BLDG	ROOM	INSTRUCTOR
		0.0-15.0	71713	IND	6W	ARR	ARR	ARR		Watts,J
		0.0-15.0	71930	IND	6X	ARR	ARR	ARR		Xing,Y
		0.0-15.0	72382	IND	6Y	ARR	ARR	ARR		Zhou,C
6050	<b>Continuous Registration</b>	1.0- 1.0	71798	IND	6A	ARR	ARR	ARR		Hilmas,G
6099	<b>Research</b>	0.0-15.0	72101	IND	6A	ARR	ARR	ARR		Asle Zaeem,M
		0.0-15.0	72102	IND	6B	ARR	ARR	ARR		Bartlett,L
		0.0-15.0	72103	IND	6C	ARR	ARR	ARR		Brow,R
		0.0-15.0	72104	IND	6D	ARR	ARR	ARR		Day,D
		0.0-15.0	72105	IND	6E	ARR	ARR	ARR		Dogan,F
		0.0-15.0	72106	IND	6F	ARR	ARR	ARR		Fahrenheitz,W
		0.0-15.0	72107	IND	6G	ARR	ARR	ARR		Hilmas,G
		0.0-15.0	72108	IND	6H	ARR	ARR	ARR		Kumar,A
		0.0-15.0	72109	IND	6J	ARR	ARR	ARR		Lekakh,S
		0.0-15.0	72110	IND	6K	ARR	ARR	ARR		Lipke,D
		0.0-15.0	72111	IND	6L	ARR	ARR	ARR		Miller,F
		0.0-15.0	72112	IND	6M	ARR	ARR	ARR		Moats,M
		0.0-15.0	72113	IND	6N	ARR	ARR	ARR		Newkirk,J
		0.0-15.0	72114	IND	6P	ARR	ARR	ARR		O'Malley,R
		0.0-15.0	72115	IND	6Q	ARR	ARR	ARR		Rahaman,M
		0.0-15.0	72116	IND	6R	ARR	ARR	ARR		Richards,V
		0.0-15.0	72117	IND	6T	ARR	ARR	ARR		Schlesinger,M
		0.0-15.0	72118	IND	6U	ARR	ARR	ARR		Schwartz,R
		0.0-15.0	72119	IND	6V	ARR	ARR	ARR		Smith,J
		0.0-15.0	72120	IND	6W	ARR	ARR	ARR		Switzer,J
		0.0-15.0	72164	IND	6X	ARR	ARR	ARR		Van Aken,D
		0.0-15.0	72267	IND	6Y	ARR	ARR	ARR		Watts,J
		0.0-15.0	72269	IND	6Z	ARR	ARR	ARR		Wen,H
		0.0-15.0	72363	IND	6AA	ARR	ARR	ARR		Xing,Y
		0.0-15.0	72383	IND	6BB	ARR	ARR	ARR		
		0.0-15.0	72436	IND	6CC	ARR	ARR	ARR		Xu,M

## Mathematics

1120	<b>College Algebra</b> Prerequisite: By placement examination.	5.0- 5.0	72273	LEC	1A	MTWThF	10:20 - 11:20 am	EECH	00101	Sainul Abdeen,F
				LEC	1A	WF	11:30 - 12:30 pm	EECH	00101	
		5.0- 5.0	72274	LEC	1B	MTWThF	10:20 - 11:20 am			
				LEC	1B	TTh	11:30 - 12:20 pm			
1160	<b>Trigonometry</b> Prerequisite: By placement examination.	2.0- 2.0	71465	LEC	1A	MTWThF	09:10 - 10:10 am	CH	00104	Harder,A
1212	<b>Business Calculus</b> Prerequisite: A grade of "C" or better in either 1120 or Math 1140; or by placement exam.	4.0- 4.0		LEC	1A	MTWThF	10:20 - 11:20 am	ROLLA	000G4	Fitch,S
		4.0- 4.0	72406	LAB	3A	MTWThF	11:30 - 12:30 pm	ROLLA	000G4	Fitch,S
1214	<b>Calculus For Engineers I</b> Prerequisites: A grade of "C" or better in both Math 1160 and one of Math 1120 or Math 1140; or by placement exam. Math 1214 may be accompanied by Math 1160 with advisor's approval.	4.0- 4.0		LEC	1A	MTWThF	09:10 - 10:10 am	TMH	00295	Koob,K
		4.0- 4.0		LEC	1B	ARR	ARR	ARR		Koob,K
				<b>See 'Notes' for Evening Exams</b>						
		4.0- 4.0	71467	LAB	3A	MTWThF	08:00 - 09:00 am	TMH	00295	Huo,L
		4.0- 4.0	72276	LAB	3B	ARR	ARR	ARR		Koob,K
				<b>See 'Notes' for Evening Exams</b>						
1215	<b>Calculus For Engineers II</b> Prerequisites: Math 1160 and either Math 1208 or Math 1214 both with a grade of "C" or better; or by placement exam.	4.0- 4.0		LEC	1A	MTWThF	10:20 - 11:20 am	BCH	00121	Kinder,K
		4.0- 4.0		LEC	1B	ARR	ARR	ARR		Kinder,K
		4.0- 4.0	71469	LAB	3A	MTWThF	11:30 - 12:30 pm	BCH	00121	Ratnayake,R
		4.0- 4.0	72184	LAB	3B	ARR	ARR	ARR		Kinder,K
2002	<b>Cooperative Work Training</b>	0.0- 6.0	71471	IND	6A	ARR	ARR	ARR		
2222	<b>Calculus with Analytic Geometry III</b> Prerequisites: Math 1215 or Math 1221 with a grade of "C" or better.	4.0- 4.0		LEC	1A	MTWThF	09:10 - 10:10 am	ROLLA	000G5	Runnion,P
		4.0- 4.0		LEC	1B	ARR	ARR	ARR		Runnion,P
		4.0- 4.0	72203	LAB	3A	MTWThF	08:00 - 09:00 am	ROLLA	000G5	Alahakoon Mudiyansele,R
		4.0- 4.0	72205	LAB	3B	ARR	ARR	ARR		Runnion,P
3000	<b>Special Problems</b>	0.0- 6.0	71470	IND	6A	ARR	ARR	ARR		Roe,R
3108	<b>Linear Algebra I</b> Prerequisite: Math 1215 or 1221 or 2222 with a grade of "C" or better.	3.0- 3.0	71473	LEC	1A	MTWThF	12:40 - 01:40 pm	CSF	00G5E	Insall,E
3304	<b>Elementary Differential Equations</b> Prerequisite: Math 2222 with a grade of "C" or better.	3.0- 3.0	71472	LEC	1A	MTWThF	11:30 - 12:30 pm	TMH	00250	Hassan,J
4000	<b>Special Problems</b>	0.0- 6.0	71474	IND	6A	ARR	ARR	ARR		Insall,E



CATALOG # AND COURSE TITLE	CREDIT	CLASS#	CMP	SEC	DAY	TIME	BLDG	ROOM	INSTRUCTOR
4099 <b>Undergraduate Research</b>	0.0- 6.0	71856	IND	6B	ARR	ARR	ARR		Samaranayake,V
Prerequisite: Consent of instructor.	0.0- 6.0	71674	IND	6A	ARR	ARR	ARR		He,X
5040 <b>Oral Examination</b>	0.0- 6.0	72341	IND	6B	ARR	ARR	ARR		Insall,E
Not required for students otherwise enrolled. Permission required by Graduate Studies Office.	0.0- 0.0	71482	IND	6A	ARR	ARR	ARR		Clark,S
5325 <b>Partial Differential Equations</b>	3.0- 3.0	72277	LEC	1A	<b>CANCELLED</b>				
Prerequisite: Math 3304 with a grade of "C" or better.									
6000 <b>Special Problems</b>	0.0- 6.0	71476	IND	6A	ARR	ARR	ARR		Clark,S
Prerequisite: Consent of instructor required.	0.0- 6.0	71477	IND	6B	ARR	ARR	ARR		Grow,D
	0.0- 6.0	71783	IND	6C	ARR	ARR	ARR		Roe,R
	0.0- 6.0	71812	IND	6D	ARR	ARR	ARR		Zhang,Y
6050 <b>Continuous Registration</b>	1.0- 1.0	71483	IND	6A	ARR	ARR	ARR		Samaranayake,V
Doctoral students only. Permission required by Graduate Studies Office.									
6099 <b>Research</b>	0.0-15.0	71478	IND	6A	ARR	ARR	ARR		Akin,E
Prerequisite: Consent of instructor required.	0.0-15.0	71479	IND	6B	ARR	ARR	ARR		Bohner,M
	0.0-15.0	71480	IND	6C	ARR	ARR	ARR		Charatonik,W
	0.0-15.0	71481	IND	6D	ARR	ARR	ARR		Clark,S
	0.0-15.0	71814	IND	6E	ARR	ARR	ARR		Grow,D
	0.0-15.0	71951	IND	6F	ARR	ARR	ARR		He,X
	0.0-15.0	71964	IND	6G	ARR	ARR	ARR		Insall,E
	0.0-15.0	72171	IND	6H	ARR	ARR	ARR		Le,V
	0.0-15.0	72224	IND	6J	ARR	ARR	ARR		Roe,R
	0.0-15.0	72345	IND	6K	ARR	ARR	ARR		Singler,J
	0.0-15.0	72354	IND	6L	ARR	ARR	ARR		Zhang,Y
	0.0-15.0	72443	IND	6M	ARR	ARR	ARR		Jiang,N

## Mechanical Engineering

2350 <b>Engineering Mechanics-Dynamics</b>	2.0- 2.0	71203	LEC	1A	MTWTh	10:20 - 11:35 am	BERTELS	00B12B	Hutcheson,R
Prerequisites: A grade of "C" or better in each of Civ Eng 2200 and Math 2222. Mech Eng 2350 will meet June 4 - July 9. The final exam will be July 10 at a time to be arranged.									
2360 <b>Dynamics</b>	3.0- 3.0	71779	LEC	1A	MTWTh	10:20 - 11:35 am	BERTELS	00B12B	Hutcheson,R
Prerequisite: Grade of "C" or better in each of Civ Eng 2200, Math 2222. (Co-listed with Aero Eng 2360)									
2519 <b>Thermodynamics</b>	3.0- 3.0	71485	LEC	1A	MTWThF	09:10 - 10:10 am	TMH	00250	Meeks,W
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.									
3002 <b>Cooperative Engineering Training</b>	0.0- 6.0	71484	IND	6A	ARR	ARR	ARR		Nisbett,J
3131 <b>Thermofluid Mechanics I</b>	3.0- 3.0	72397	LEC	1A	MTWThF	11:30 - 12:30 pm	TMH	00249	Schmidt,J
Prerequisite: A grade of "C" or better in Mech Eng 2519.									
3313 <b>Machine Dynamics</b>	3.0- 3.0	72395	LEC	1A	MTWTh	12:40 - 01:55 pm	BCH	00213	Hutcheson,R
Prerequisites: A grade of "C" or better in each of the following: 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; Physics 1135 or Physics 1111.									
3525 <b>Heat Transfer</b>	3.0- 3.0	71486	LEC	1A	MTWThF	08:00 - 09:00 am	CS	00209	Homan,K
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.									

CATALOG # AND COURSE TITLE	CREDIT	CLASS#	CMP	SEC	DAY	TIME	BLDG	ROOM	INSTRUCTOR
4000 <b>Special Problems</b>	0.0- 6.0	71487	IND	6A	ARR	ARR	ARR		Hutcheson,R
Prerequisite: Consent of instructor required.	0.0- 6.0	71488	IND	6B	ARR	ARR	ARR		Liou,F
	0.0- 6.0	71489	IND	6C	ARR	ARR	ARR		Midha,A
	0.0- 6.0	71490	IND	6D	ARR	ARR	ARR		Nisbett,J
	0.0- 6.0	71491	IND	6E	ARR	ARR	ARR		Okafor,A
	0.0- 6.0	71813	IND	6F	ARR	ARR	ARR		Stutts,D
4099 <b>Undergraduate Research</b>	0.0- 6.0	71492	IND	6A	ARR	ARR	ARR		Carroll,D
Prerequisite: Consent of instructor required.	0.0- 6.0	71493	IND	6B	ARR	ARR	ARR		Dharani,L
	0.0- 6.0	71494	IND	6C	ARR	ARR	ARR		Drallmeier,J
	0.0- 6.0	71495	IND	6D	ARR	ARR	ARR		Homan,K
	0.0- 6.0	71496	IND	6E	ARR	ARR	ARR		Koylu,U
	0.0- 6.0	71497	IND	6F	ARR	ARR	ARR		Krishnamurthy,K
	0.0- 6.0	71498	IND	6G	ARR	ARR	ARR		Landers,R
	0.0- 6.0	71499	IND	6H	ARR	ARR	ARR		Leu,M
	0.0- 6.0	71500	IND	6J	ARR	ARR	ARR		Midha,A
	0.0- 6.0	71667	IND	6K	ARR	ARR	ARR		Nisbett,J
	0.0- 6.0	71501	IND	6L	ARR	ARR	ARR		Stutts,D
	0.0- 6.0	72357	IND	6M	ARR	ARR	ARR		Song,Y
5000 <b>Special Problems</b>	0.0- 6.0	71502	IND	6A	ARR	ARR	ARR		Bristow,D
Prerequisite: Consent of instructor required.	0.0- 6.0	71503	IND	6B	ARR	ARR	ARR		Chandrashekhara,K
	0.0- 6.0	71504	IND	6C	ARR	ARR	ARR		Dharani,L
	0.0- 6.0	71669	IND	6D	ARR	ARR	ARR		Landers,R
	0.0- 6.0	71505	IND	6E	ARR	ARR	ARR		Leu,M
	0.0- 6.0	71506	IND	6F	ARR	ARR	ARR		Liou,F
	0.0- 6.0	71950	IND	6G	ARR	ARR	ARR		Tsai,H
	0.0- 6.0	72219	IND	6H	ARR	ARR	ARR		Liou,F
6000 <b>Special Problems</b>	0.0- 6.0	72161	IND	6A	ARR	ARR	ARR		Dharani,L
6040 <b>Oral Examination</b>	0.0- 0.0	71532	IND	6A	ARR	ARR	ARR		Drallmeier,J
Not required for students otherwise enrolled. Permission required by Graduate Studies Office.									
6050 <b>Continuous Registration</b>	1.0- 1.0	71533	IND	6A	ARR	ARR	ARR		Landers,R
6085 <b>Internship</b>	0.0-15.0	71531	IND	6A	ARR	ARR	ARR		
6099 <b>Research</b>	0.0-15.0	71507	IND	6A	ARR	ARR	ARR		Balakrishnan,S
Prerequisite: Consent of instructor required.	0.0-15.0	71508	IND	6B	ARR	ARR	ARR		Bristow,D
	0.0-15.0	71509	IND	6C	ARR	ARR	ARR		Carroll,D
	0.0-15.0	71510	IND	6D	ARR	ARR	ARR		Chandrashekhara,K
	0.0-15.0	71511	IND	6E	ARR	ARR	ARR		Chen,L
	0.0-15.0	71512	IND	6F	ARR	ARR	ARR		Crosbie,A
	0.0-15.0	71513	IND	6G	ARR	ARR	ARR		DeMars,K
	0.0-15.0	71514	IND	6H	ARR	ARR	ARR		Dharani,L
	0.0-15.0	71515	IND	6J	ARR	ARR	ARR		Drallmeier,J
	0.0-15.0	71516	IND	6K	ARR	ARR	ARR		Du,X
	0.0-15.0	71517	IND	6L	ARR	ARR	ARR		Eversman,W
	0.0-15.0	71518	IND	6M	ARR	ARR	ARR		Gao,J
	0.0-15.0	71519	IND	6N	ARR	ARR	ARR		Homan,K
	0.0-15.0	71520	IND	6P	ARR	ARR	ARR		Hosder,S
	0.0-15.0	71521	IND	6Q	ARR	ARR	ARR		Isaac,K
	0.0-15.0	71522	IND	6R	ARR	ARR	ARR		Kinzel,E
	0.0-15.0	71523	IND	6T	ARR	ARR	ARR		Koylu,U
	0.0-15.0	71524	IND	6U	ARR	ARR	ARR		Krishnamurthy,K
	0.0-15.0	71525	IND	6V	ARR	ARR	ARR		Landers,R
	0.0-15.0	71526	IND	6W	ARR	ARR	ARR		Leu,M
	0.0-15.0	71527	IND	6X	ARR	ARR	ARR		Liou,F
	0.0-15.0	71528	IND	6Y	ARR	ARR	ARR		Midha,A
	0.0-15.0	71529	IND	6Z	ARR	ARR	ARR		Nisbett,J
	0.0-15.0	71530	IND	6AA	ARR	ARR	ARR		Okafor,A
	0.0-15.0	71763	IND	6BB	ARR	ARR	ARR		Pan,H
	0.0-15.0	71766	IND	6CC	ARR	ARR	ARR		Park,J
	0.0-15.0	71770	IND	6DD	ARR	ARR	ARR		Pernicka,H
	0.0-15.0	71791	IND	6EE	ARR	ARR	ARR		Song,Y
	0.0-15.0	71746	IND	6FF	ARR	ARR	ARR		Stutts,D
	0.0-15.0	71818	IND	6GG	ARR	ARR	ARR		Tsai,H
	0.0-15.0	71906	IND	6HH	ARR	ARR	ARR		Wang,C
	0.0-15.0	72222	IND	6KK	ARR	ARR	ARR		Wojnar,C
	0.0-15.0	72229	IND	6LL	ARR	ARR	ARR		Yang,X

0.0-15.0 72465 IND 6MM ARR ARR ARR Han,D

### Metallurgical Engineering

4000	<b>Special Problems</b>	0.0- 6.0	71535	IND	6A	ARR	ARR	ARR	Miller,F
	Prerequisite: Consent of instructor required.	0.0- 6.0	71536	IND	6B	ARR	ARR	ARR	Newkirk,J
		0.0- 6.0	71537	IND	6C	ARR	ARR	ARR	Richards,V
		0.0- 6.0	71538	IND	6D	ARR	ARR	ARR	Schlesinger,M
		0.0- 6.0	71539	IND	6E	ARR	ARR	ARR	Van Aken,D
4099	<b>Undergraduate Research</b>	0.0- 6.0	71541	IND	6A	ARR	ARR	ARR	Miller,F
		0.0- 6.0	71542	IND	6B	ARR	ARR	ARR	Moats,M
		0.0- 6.0	71543	IND	6C	ARR	ARR	ARR	Newkirk,J
		0.0- 6.0	71545	IND	6E	ARR	ARR	ARR	Richards,V
		0.0- 6.0	71546	IND	6F	ARR	ARR	ARR	Schlesinger,M
		0.0- 6.0	71547	IND	6G	ARR	ARR	ARR	Van Aken,D
5040	<b>Oral Examination</b>	0.0- 0.0	71557	IND	6A	ARR	ARR	ARR	
	Not required for students otherwise enrolled. Permission required by Graduate Studies Office.								
5099	<b>Research</b>	0.0-15.0	71548	IND	6A	ARR	ARR	ARR	Asle Zaeem,M
		0.0-15.0	71549	IND	6B	ARR	ARR	ARR	Miller,F
		0.0-15.0	71550	IND	6C	ARR	ARR	ARR	Moats,M
		0.0-15.0	71551	IND	6D	ARR	ARR	ARR	Newkirk,J
		0.0-15.0	71553	IND	6F	ARR	ARR	ARR	Richards,V
		0.0-15.0	71554	IND	6G	ARR	ARR	ARR	Schlesinger,M
		0.0-15.0	71555	IND	6H	ARR	ARR	ARR	Van Aken,D
		0.0-15.0	71556	IND	6J	ARR	ARR	ARR	Zhou,C
6050	<b>Continuous Registration</b>	1.0- 1.0	71558	IND	6A	ARR	ARR	ARR	Huebner,W
	Doctoral students only. Permission required by Graduate Studies Office.								
6099	<b>Research</b>	0.0-15.0	72091	IND	6A	ARR	ARR	ARR	Asle Zaeem,M
		0.0-15.0	72092	IND	6B	ARR	ARR	ARR	Bartlett,L
		0.0-15.0	72093	IND	6C	ARR	ARR	ARR	Miller,F
		0.0-15.0	72094	IND	6D	ARR	ARR	ARR	Moats,M
		0.0-15.0	72095	IND	6E	ARR	ARR	ARR	Newkirk,J
		0.0-15.0	72096	IND	6F	ARR	ARR	ARR	O'Keefe,M
		0.0-15.0	72097	IND	6G	ARR	ARR	ARR	O'Malley,R
		0.0-15.0	72098	IND	6H	ARR	ARR	ARR	Richards,V
		0.0-15.0	72099	IND	6J	ARR	ARR	ARR	Schlesinger,M
		0.0-15.0	72165	IND	6K	ARR	ARR	ARR	Van Aken,D
		0.0-15.0	72272	IND	6L	ARR	ARR	ARR	Wen,H
		0.0-15.0	72364	IND	6M	ARR	ARR	ARR	Zhou,C
		0.0-15.0	72437	IND	6N	ARR	ARR	ARR	Xu,M

### Mining Engineering

4523	<b>Environmental And Natural Resource Economics</b>	3.0- 3.0	71862	LEC	1A	ARR	ARR	ARR	Gelles,G
	Prerequisite: Econ 2100. (Co-listed with Econ 4440)								
									<b>Field Trip Required</b>
6000	<b>Special Problems</b>	0.0- 6.0	71559	IND	6A	ARR	ARR	ARR	Awuah-Offei,K
6010	<b>Seminar</b>	1.0- 1.0	71920	RSD	2A	ARR	ARR	ARR	Alagha,L
6050	<b>Continuous Registration</b>	1.0- 1.0	72135	IND	6A	ARR	ARR	ARR	Lusk,B
6080	<b>Graduate Project</b>	3.0- 3.0	72239	IND	6A	ARR	ARR	ARR	
	Prerequisites: Graduate Standing.								
6085	<b>Internship</b>	0.0-15.0	71564	IND	6A	ARR	ARR	ARR	
6099	<b>Research</b>	0.0-15.0	71560	IND	6A	ARR	ARR	ARR	Alagha,L
		0.0-15.0	71561	IND	6B	ARR	ARR	ARR	Aouad,N
		0.0-15.0	71804	IND	6C	ARR	ARR	ARR	Awuah-Offei,K
		0.0-15.0	71805	IND	6D	ARR	ARR	ARR	Frimpong,S
		0.0-15.0	71562	IND	6E	ARR	ARR	ARR	Galecki,G
		0.0-15.0	71815	IND	6G	ARR	ARR	ARR	Homan,K
		0.0-15.0	72138	IND	6H	ARR	ARR	ARR	Johnson,C

### Music

1150	<b>Music Understanding And Appreciation</b>	3.0- 3.0	72369	LEC	1A	MTWThF	11:30 - 12:30 pm	CASTL	00138	Francis,L
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## Nuclear Engineering

4000	<b>Special Problems</b>	0.0- 6.0	71848	IND	6A	ARR	ARR	ARR	Alajo,A
		0.0- 6.0	71889	IND	6B	ARR	ARR	ARR	Castano,C
		0.0- 6.0	71565	IND	6C	ARR	ARR	ARR	Graham,J
		0.0- 6.0	71737	IND	6D	ARR	ARR	ARR	Liu,X
		0.0- 6.0	71890	IND	6E	ARR	ARR	ARR	Mueller,G
		0.0- 6.0	72177	IND	6F	ARR	ARR	ARR	Usman,S
4099	<b>Undergraduate Research</b>	0.0- 6.0	71820	IND	6A	ARR	ARR	ARR	Alajo,A
		0.0- 6.0	71566	IND	6B	ARR	ARR	ARR	Al Dahhan,M
		0.0- 6.0	71567	IND	6C	ARR	ARR	ARR	Castano,C
		0.0- 6.0	71916	IND	6D	ARR	ARR	ARR	Graham,J
		0.0- 6.0	71917	IND	6E	ARR	ARR	ARR	Lee,H
		0.0- 6.0	71957	IND	6F	ARR	ARR	ARR	Liu,X
		0.0- 6.0	72178	IND	6G	ARR	ARR	ARR	Mueller,G
		0.0- 6.0	72179	IND	6H	ARR	ARR	ARR	Schlegel,J
6000	<b>Special Problems</b>	0.0- 6.0	71568	IND	6A	ARR	ARR	ARR	Mueller,G
6040	<b>Oral Examination</b>	0.0- 0.0	71573	IND	6A	ARR	ARR	ARR	
	Not required for students otherwise enrolled. Permission required by Graduate Studies Office.								
6050	<b>Continuous Registration</b>	1.0- 1.0	71574	IND	6A	ARR	ARR	ARR	Lee,H
Doctoral students only. Permission required by Graduate Studies Office.									
6085	<b>Internship</b>	0.0-15.0	71572	IND	6A	ARR	ARR	ARR	Lee,H
6099	<b>Research</b>	0.0-15.0	71800	IND	6A	ARR	ARR	ARR	Alajo,A
		0.0-15.0	71569	IND	6B	ARR	ARR	ARR	Al Dahhan,M
		0.0-15.0	71570	IND	6C	ARR	ARR	ARR	Castano,C
		0.0-15.0	71571	IND	6D	ARR	ARR	ARR	Graham,J
		0.0-15.0	71736	IND	6E	ARR	ARR	ARR	Lee,H
		0.0-15.0	71808	IND	6F	ARR	ARR	ARR	Liu,X
		0.0-15.0	71821	IND	6G	ARR	ARR	ARR	Mueller,G
		0.0-15.0	71958	IND	6H	ARR	ARR	ARR	Schlegel,J
		0.0-15.0	72180	IND	6J	ARR	ARR	ARR	Usman,S

## Petroleum Engineering

3000	<b>Special Problems</b>	1.0- 3.0	71575	IND	6A	ARR	ARR	ARR	Bai,B
		1.0- 3.0	71786	IND	6B	ARR	ARR	ARR	Dunn Norman,S
		1.0- 3.0	71787	IND	6C	ARR	ARR	ARR	Eckert,A
		1.0- 3.0	71788	IND	6D	ARR	ARR	ARR	Flori,R
		1.0- 3.0	71789	IND	6E	ARR	ARR	ARR	
		1.0- 3.0	72025	IND	6F	ARR	ARR	ARR	Wei,M
		3.0- 3.0	71945	LEC	1A	TTh	10:10 - 12:20 pm	MCNutt	234
4111	<b>Fundamental Digital Applications In Petroleum Engineering</b>	Prerequisite: Junior Standing.							
5000	<b>Special Problems</b>	0.0- 6.0	71645	IND	6A	ARR	ARR	ARR	Dunn Norman,S
Prerequisite: Consent of instructor required.									
5040	<b>Oral Examination</b>	0.0- 0.0	71578	IND	6A	ARR	ARR	ARR	Flori,R
Not required for students otherwise enrolled. Permission required by Graduate Studies Office.									
5099	<b>Research</b>	0.0-12.0	71576	IND	6A	ARR	ARR	ARR	Bai,B
		0.0-12.0	71577	IND	6B	ARR	ARR	ARR	Dunn Norman,S
		0.0-12.0	71735	IND	6C	ARR	ARR	ARR	Eckert,A
		0.0-12.0	71784	IND	6D	ARR	ARR	ARR	Flori,R
		0.0-12.0	71785	IND	6E	ARR	ARR	ARR	Imqam,A
		0.0-12.0	71841	IND	6F	ARR	ARR	ARR	
		0.0-12.0	72027	IND	6G	ARR	ARR	ARR	Wei,M
6001	<b>Special Topics</b>	3.0- 3.0	72390	LEC	1A	ARR	ARR	ARR	
Prerequisites: Pet Eng 3520. Flow Porous Media									
6050	<b>Continuous Registration</b>	1.0- 1.0	71579	IND	6A	ARR	ARR	ARR	Dunn Norman,S
Doctoral students only. Permission required by Graduate Studies Office.									
6551	<b>Advanced Reservoir Engineering II</b>	3.0- 3.0	72446	LEC	1A	ARR	ARR	ARR	
Prerequisite: Pet Eng 3520.									

## Philosophy

1105	<b>Introduction To Philosophy</b> Prerequisite: Entrance requirements.	3.0- 3.0	72198	LEC	1A	ARR	ARR	ARR		Taylor,A
1115	<b>Introduction To Logic</b> Prerequisite: Entrance requirements.	3.0- 3.0	71908	LEC	1A	ARR	ARR	ARR		Finke,D
3235	<b>Business Ethics</b> Prerequisite: Sophomore standing or above.	3.0- 3.0	71782	LEC	1A4	ARR	ARR	ARR		Dittmer,J

See 'Notes' for Class Schedule

## Physics

1135	<b>Engineering Physics I</b> Prerequisite: Math 1208 or 1214.	0.0- 0.0	71752	LEC	1A	MTThF	08:00 - 08:50 am	PHYS	00104	Peacher,J
		4.0- 4.0	71753	RSD	2A	TW	09:10 - 10:00 am	PHYS	00129	Peacher,J
				RSD	2A	ThF	09:10 - 10:00 am	PHYS	00130	
		0.0- 0.0	71754	LAB	3L01	W	10:20 - 12:30 pm	PHYS	00215	
2135	<b>Engineering Physics II</b> Prerequisites: Physics 1135 or Physics 1111, Math 1221 or Math 1215.	0.0- 0.0	71758	LAB	3L02	W	01:00 - 02:50 pm	PHYS	00215	
		0.0- 0.0	71755	LEC	1A	TWThF	10:20 - 11:20 am	PHYS	00104	Musser,J
		4.0- 4.0	71756	RSD	2A	TTh	11:30 - 12:30 pm	PHYS	00129	Musser,J
				RSD	2A	WF	11:30 - 12:30 pm	PHYS	00130	
3000	<b>Special Problems</b> Prerequisite: Consent of instructor required.	0.0- 0.0	71757	LAB	3L02	W	03:00 - 04:50 pm	PHYS	00214	
		0.0- 0.0	71883	LAB	3L01	W	01:00 - 02:50 pm	PHYS	00214	
4099	<b>Undergraduate Research</b>	0.0- 6.0	71651	IND	6A	ARR	ARR	ARR		Peacher,J
		0.0- 6.0	71580	IND	6D	ARR	ARR	ARR		Hor,Y
		0.0- 6.0	71581	IND	6E	ARR	ARR	ARR		Story,J
		0.0- 6.0	71837	IND	6F	ARR	ARR	ARR		Vojta,S
4625	<b>Science Education and Quantitative Literacy for Middle School Teachers</b> Prerequisite: Current enrollment in a Teacher Education Program or a full or part-time teacher in a K-12 school. (Co-listed with Stat 5904)	0.0- 6.0	71837	IND	6F	ARR	ARR	ARR		Wilemski,G
		3.0- 3.0	72408	LEC	1A	ARR	ARR	ARR		Samaranayake,V
		0.0- 6.0	71582	IND	6A	ARR	ARR	ARR		Parris,P
		0.0- 6.0	71678	IND	6B	ARR	ARR	ARR		Peacher,J
6000	<b>Special Problems</b>	0.0- 6.0	71819	IND	6C	ARR	ARR	ARR		Wilemski,G
		0.0- 0.0	71599	IND	6A	ARR	ARR	ARR		Vojta,S
		0.0- 0.0	71599	IND	6A	ARR	ARR	ARR		Vojta,S
6040	<b>Oral Examination</b> Not required for students otherwise enrolled. Permission required by Graduate Studies Office.	0.0- 0.0	71599	IND	6A	ARR	ARR	ARR		Vojta,S
6050	<b>Continuous Registration</b> Doctoral students only. Permission required by Graduate Studies Office.	1.0- 1.0	71600	IND	6A	ARR	ARR	ARR		Vojta,S
6099	<b>Research</b> Prerequisite: Consent of instructor required.	0.0-15.0	71583	IND	6A	ARR	ARR	ARR		Chernatynskiy,A
		0.0-15.0	71584	IND	6B	ARR	ARR	ARR		Fischer,D
		0.0-15.0	71585	IND	6C	ARR	ARR	ARR		Hor,Y
		0.0-15.0	71586	IND	6D	ARR	ARR	ARR		Jentschura,U
		0.0-15.0	71587	IND	6E	ARR	ARR	ARR		Kurter,C
		0.0-15.0	71588	IND	6F	ARR	ARR	ARR		Madison,D
		0.0-15.0	71589	IND	6G	ARR	ARR	ARR		Medvedeva,I
		0.0-15.0	71688	IND	6H	ARR	ARR	ARR		Parris,P
		0.0-15.0	71590	IND	6J	ARR	ARR	ARR		Peacher,J
		0.0-15.0	71591	IND	6K	ARR	ARR	ARR		Schulz,M
		0.0-15.0	71592	IND	6L	ARR	ARR	ARR		Story,J
		0.0-15.0	71593	IND	6M	ARR	ARR	ARR		Vojta,S
		0.0-15.0	71594	IND	6N	ARR	ARR	ARR		Waddill,G
0.0-15.0	71595	IND	6P	ARR	ARR	ARR		Wilemski,G		
0.0-15.0	71596	IND	6Q	ARR	ARR	ARR		Yamilov,A		

## Political Science

1200	<b>American Government</b>	3.0- 3.0	72100	LEC	1A42	MTWThF	12:40 - 02:50 pm	H-SS	00101	Meagher,M
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Class meets the first four weeks of the semester, June 4 - June 29, 2018.  
See 'Notes' for Class Schedule

CATALOG # AND COURSE TITLE	CREDIT	CLASS#	CMP	SEC	DAY	TIME	BLDG	ROOM	INSTRUCTOR
4085 <b>Political Science Internship</b> Prerequisite: Pol Sci 1200 or Pol Sci 1100.	0.0- 6.0	71816	IND	6A	ARR	ARR	ARR		Meagher,M
<b>Psychology</b>									
1101 <b>General Psychology</b>	3.0- 3.0	71689	LEC	1A4	ARR	ARR	ARR		Henslee,A
									Class meets first four weeks of the semester, June 5 - June 30, 2017 <b>See 'Notes' for Class Schedule</b>
3310 <b>Developmental Psychology</b> Prerequisite: Psych 1101.	3.0- 3.0	71924	LEC	1A4	MTWThF	10:20 - 12:30 pm	H-SS	000G7	Krueger,M
									Class meets first four weeks of the semester, June 5 - June 30, 2017 <b>See 'Notes' for Class Schedule</b>
4000 <b>Special Problems And Readings In Psychology</b>	0.0- 6.0	71913	IND	6A	ARR	ARR	ARR		
	0.0- 6.0	71947	IND	6B	ARR	ARR	ARR		
	0.0- 6.0	71960	IND	6C	ARR	ARR	ARR		Weidner,N
4099 <b>Undergraduate Research</b> Prerequisite: Instructor consent.	0.0- 6.0	71601	IND	6A	ARR	ARR	ARR		Henslee,A
	0.0- 6.0	71602	IND	6B	ARR	ARR	ARR		
	0.0- 6.0	71603	IND	6C	ARR	ARR	ARR		
	0.0- 6.0	71727	IND	6D	ARR	ARR	ARR		Stone,N
	0.0- 6.0	71888	IND	6E	ARR	ARR	ARR		Weidner,N
5602 <b>Organizational Development</b> Prerequisite: Psych 4602 or graduate standing.	3.0- 3.0	72388	LEC	1A	ARR	ARR	ARR		Kueny,C
6099 <b>Research</b>	0.0- 6.0	72384	IND	6A	ARR	ARR	ARR		Baker,D
	0.0- 6.0	72385	IND	6B	ARR	ARR	ARR		Cundiff,J
	0.0- 6.0	72386	IND	6C	ARR	ARR	ARR		Kueny,C
	0.0- 6.0	72387	IND	6D	ARR	ARR	ARR		Weidner,N
<b>Speech &amp; Media Studies</b>									
1185 <b>Principles Of Speech</b> Prerequisite: Entrance requirements.	3.0- 3.0	72372	LEC	1A	MTWThF	11:30 - 12:30 pm	H-SS	000G9	James,K
									<b>Communication Intensive</b>
	3.0- 3.0	72199	LEC	1B	MWF	09:10 - 10:50 am	H-SS	000G8	Robertson,T
									<b>Communication Intensive</b>
3221 <b>Fundamentals in Photography</b> 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)	3.0- 3.0	72452	LEC	1A	MTWTh	03:00 - 04:00 pm	H-SS	00103	Rupert,B
<b>Statistics</b>									
3113 <b>Applied Engineering Statistics</b> Prerequisite: Math 1215 or 1221 with a grade of "C" or better.	3.0- 3.0	72278	LEC	1A	MTWThF	11:30 - 12:30 pm	TMH	00254	Alhassan,D
3115 <b>Engineering Statistics</b> Prerequisite: Math 1215 or 1221 with a grade of "C" or better.	3.0- 3.0	71604	LEC	1A	MTWThF	09:10 - 10:10 am	SHNK	00305	Adekpedjou,A
4000 <b>Special Problems</b> Prerequisite: Consent of instructor required.	0.0- 6.0	71605	IND	6A	ARR	ARR	ARR		Samaranayake,V
	0.0- 6.0	71871	IND	6B	ARR	ARR	ARR		Adekpedjou,A
5000 <b>Special Problems</b>	0.0- 6.0	72241	IND	6A	ARR	ARR	ARR		Olbricht,G
	0.0- 6.0	72245	IND	6B	ARR	ARR	ARR		Samaranayake,V
5260 <b>Statistical Data Analysis Using SAS</b> Prerequisite: One of Stat 3113 or 3115 or 3117 or 5643; and one of Stat 5346 or 5353 or 6841 or 6343 or 6344 or 6545.	3.0- 3.0		LEC	1A	ARR	ARR			Samaranayake,V
									Class meets May 14th through June 1st, M-F from 9:00am - 12:00pm in CH 105. <b>See 'Notes' for Class Schedule</b>
	3.0- 3.0	72137	LAB	3A	ARR	ARR			Samaranayake,V
									Class meets May 15th through June 2nd, M-F from 9:00am - 12:00pm in CH 105. <b>See 'Notes' for Class Schedule</b>
5904 <b>Science Education and Quantitative Literacy for Middle School Teachers</b> Prerequisite: Current enrollment in a Teacher Education Program or a full or part-time teacher in a K-12 school. (Co-listed with Physics 4625)	3.0- 3.0	72407	LEC	1A	ARR	ARR	ARR		Samaranayake,V

CATALOG # AND COURSE TITLE	CREDIT	CLASS#	CMP	SEC	DAY	TIME	BLDG	ROOM	INSTRUCTOR
5905 <b>Making Sense Of Data For Elementary School Teachers</b> Prerequisite: Graduate Standing.	3.0- 3.0	72409	LEC	1A	ARR	ARR	ARR		Samaranayake,V
6000 <b>Special Problems</b> Prerequisite: Consent of instructor required.	0.0- 6.0 0.0- 6.0	71606 72445	IND IND	6A 6B	ARR ARR	ARR ARR	ARR ARR		Samaranayake,V Olbricht,G
6040 <b>Oral Examination</b>	0.0- 0.0	71886	IND	6A	ARR	ARR	ARR		Clark,S
6099 <b>Research</b>	0.0-15.0 0.0-15.0 0.0-15.0 0.0-15.0 0.0-15.0	71608 71607 71852 71946 71948	IND IND IND IND IND	6A 6B 6C 6D 6E	ARR ARR ARR ARR ARR	ARR ARR ARR ARR ARR	ARR ARR ARR ARR ARR		Adekpedjou,A Olbricht,G Paige,R Samaranayake,V Wen,X

## Systems Engineering

5000 <b>Special Problems</b>	1.0- 6.0	71953	IND	6A	ARR	ARR	ARR		Dagli,C
5040 <b>Oral Examination</b>	0.0- 0.0	71747	IND	6A	ARR	ARR	ARR		Dagli,C
6050 <b>Continuous Registration</b>	1.0- 1.0	71921	IND	6A	ARR	ARR	ARR		Long,S
6099 <b>Research</b> 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	72057 72058 72059 72060 72061 72062 72063 72064 72065 72066 72067	IND IND IND IND IND IND IND IND IND IND IND	6A 6B 6C 6D 6E 6F 6G 6H 6J 6K 6L	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		Corns,S Cudney,E Dagli,C Enke,D Gosavi,A Guardiola,I Konur,D Long,S Qin,R Raper,S Sun,Z
6103 <b>Systems Life Cycle Costing</b> Prerequisites: Graduate Standing.	3.0- 3.0	71943	LEC	1A	MW	04:00 - 06:30 pm	BCH	00213	Yildirim,G
6105 <b>Complex Engineering Systems Project Management</b>	3.0- 3.0	72290	LEC	1A	TTh	04:00 - 06:30 pm	BCH	00213	Hoffman,G

## Technical Communication

1600 <b>Introduction to Technical Communication</b> Prerequisite: English 1120. (Co-listed with English 1600)	3.0- 3.0	71894	LEC	1A42	ARR	ARR	ARR		Northcut,K
3001 <b>Special Topics</b> Prerequisites: English 1120.	3.0- 3.0	72462	LEC	1A42	ARR	ARR	ARR		Northcut,K
4085 <b>Internship</b> Prerequisites: Must have completed 24 hours in the major core curriculum.	0.0- 6.0	71728	IND	6A	ARR	ARR	ARR		Wright,M
5001 <b>Special Topics</b> Prerequisites: Graduate standing.	3.0- 3.0	72463	LEC	1A42	ARR	ARR	ARR		Northcut,K
5040 <b>Oral Examination</b>	0.0- 0.0	71765	IND	6A	ARR	ARR	ARR		
5099 <b>Research</b>	0.0-15.0	71849	IND	6A	ARR	ARR	ARR		Wright,M