

# 2019 SPRING SEMESTER MAIN MISSOURI S&T CAMPUS CLASS OFFERINGS

CATALOG # AND COURSE TITLE	CREDIT	CLASS#	CMP	SEC	DAY	TIME	BLDG	ROOM	INSTRUCTOR
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## Aerosp Studies-Air Force ROTC

4120	National Security Affairs/Preparation For Active Duty II	3.0- 3.0	LEC	1A	T	05:30 - 08:00 pm	HARR	00208	Unger,B
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## Aerospace Engineering

2780	Introduction to Aerospace Design	2.0- 2.0	72464	LAB	3C	M	05:00 - 07:00 pm	ARR	Meeks,W	
<b>Prerequisite</b>										
2790	Introduction to Spacecraft Design	2.0- 2.0	73480	LAB	3D	W	05:00 - 06:50 pm	ARR	Davis,J	
<b>Field Trip Required</b>										
6458	Adaptive Dynamic Programming Prerequisites: Elec Eng 5370 or Comp Eng 5310. (Co-listed with Comp Eng 6320, Elec Eng 6360, Mech Eng 6458 and Sys Eng 6215)	3.0- 3.0	73276	LEC	1A	T	07:00 - 09:30 pm	EECH	00103	Wunsch,D

## Architectural Engineering

2103	Architectural Materials And Methods Of Construction	3.0- 3.0	71460	LAB	3A	T	06:00 - 08:00 pm	BCH	00110	Gillis,W
<b>Prerequisite</b>										
		3.0- 3.0	71755	LAB	3B	W	06:00 - 08:00 pm	BCH	00110	Gillis,W
<b>Prerequisite</b>										

## Art

1140	Painting I	3.0- 3.0	70059	LEC	1A	W	04:45 - 07:30 pm	CH	00213	Shoemaker,C
1185	Study Of Film	3.0- 3.0	70062	LAB	3A	T	07:00 - 10:10 pm	CASTL	00138	Tohline,A
		3.0- 3.0	71769	LAB	3B	T	07:00 - 10:10 pm	CASTL	00138	Tohline,A
<b>Communication Emphasized</b>										
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	71402	LEC	1A	W	06:00 - 09:00 pm	CSF	00114	Rupert,B
		3.0- 3.0	71988	LEC	1B	Th	06:00 - 09:00 pm	CSF	00114	Rupert,B
<b>Prerequisite</b>										
3260	Exploring Digital Art	3.0- 3.0	72233	LAB	3A	W	05:30 - 06:30 pm	CS	00206	Myers,L

## Biological Sciences

1219	General Biology Lab	2.0- 2.0	LEC	1B	M	06:00 - 06:50 pm	SHNK	00111		
<b>MOTR BIOL 100L: Essentials in Biology with Lab</b>										
<b>MOTR BIOL 150L: Biology with Lab</b>										
<b>Prerequisite</b>										
		2.0- 2.0	71709	LAB	3B	M	07:00 - 08:50 pm	SHNK	00111	
<b>MOTR BIOL 100L: Essentials in Biology with Lab</b>										
<b>MOTR BIOL 150L: Biology with Lab</b>										
<b>Prerequisite</b>										
1229	Biodiversity Lab	1.0- 1.0	72668	LAB	3B	T	06:00 - 08:50 pm	SHNK	00111	Wilson,T
<b>All-digital class materials at significant savings</b>										
<b>Prerequisite</b>										
2219	Cell Biology Laboratory	1.0- 1.0	71754	LAB	3B	Th	06:00 - 07:50 pm	SHNK	00111	Wilson,T
<b>Prerequisite</b>										
3319	Microbiology Lab	2.0- 2.0	72985	LAB	3C	TTh	05:00 - 07:00 pm	SHNK	000G7	Westenberg,D
<b>Prerequisite</b>										
3349	Human Anatomy and Physiology II Laboratory	1.0- 1.0	71692	LAB	3B	W	05:00 - 07:50 pm	SHNK	00313	Havens,S
<b>Prerequisite</b>										

## Business

5580	Strategic Management Prerequisites: MKT 3110 or Eng Mgt 3510; Finance 2150 or Eng Mgt 3200; Senior standing.	3.0- 3.0	70105	LEC	1A	W	07:00 - 09:30 pm	CS	00209	Fang,H
<b>Prerequisite</b>										

6723 **Artificial Intelligence, Robotics, and Information Systems Management**  
Prerequisite: Graduate standing. 3.0- 3.0 71534 LEC 1A Th 07:00 - 09:30 pm FUL 00107A Siau,K

### Chemical Engineering

3101 **Fundamentals of Transport in Chemical and Biochemical Engineering**  
Prerequisites: Math 3304 and Chem Eng 2110. Admitted to the Chemical Engineering Program. 4.0- 4.0 73341 LEC 1A W 05:00 - 05:50 pm BERTELS 00112B  
**All-digital class materials at significant savings**  
**Prerequisite**  
LEC 1A W 05:00 - 05:50 pm BERTELS 00112A  
**All-digital class materials at significant savings**  
**Prerequisite**

4001 **Special Topics**  
Prerequisites: Senior standing and a minimum of two semesters of Spanish. 3.0- 3.0 73495 LEC 1A MWF 05:00 - 06:00 pm CSF 00G5D Forciniti,D  
Renewable Energy

5130 **Risk Assessment and Reduction**  
Prerequisite: Senior or Graduate Standing. (Co-listed with Eng Mgt 4312) 3.0- 3.0 71578 LEC 1A M 07:00 - 09:30 pm CS 00209 Schmidt,M  
**Prerequisite**

### Chemistry

2100 **Master Student** 1.0- 1.0 70185 LEC 1A W 06:00 - 07:00 pm CH 00104 Collier,H  
2219 **Organic Chemistry I Lab** 1.0- 1.0 71777 LAB 3A W 06:00 - 06:50 pm SHNK 00305 Bone,T  
Prerequisites: Preceded or accompanied by Chem 2210 and Chem 1100.  
**Prerequisite**  
LAB 3A W 07:00 - 08:50 pm SHNK 00303  
**Prerequisite**

1.0- 1.0 72850 LAB 3C M 06:00 - 06:50 pm SHNK 00305 Bone,T  
**Prerequisite**  
LAB 3C M 07:00 - 08:50 pm SHNK 00303  
**Prerequisite**

2229 **Organic Chemistry II Lab** 1.0- 1.0 73601 LAB 3C Th 06:00 - 06:50 pm SHNK 00305 Bone,T  
**Communication Emphasized**  
**Prerequisite**  
LAB 3C Th 07:00 - 08:50 pm SHNK 00303  
**Communication Emphasized**  
**Prerequisite**

1.0- 1.0 73604 LAB 3D T 06:00 - 06:50 pm SHNK 00305 Bone,T  
**Communication Emphasized**  
**Prerequisite**  
LAB 3D T 07:00 - 08:50 pm SHNK 00303  
**Communication Emphasized**  
**Prerequisite**

4510 **Instrumental Methods Of Chemical Analysis** 4.0- 4.0 LEC 1A TTh 06:00 - 07:15 pm TMH 00250 Kapila,S  
Prerequisites: Chem 3510 and Chem 3430.

5510 **Introduction to Chemical Analysis** 4.0- 4.0 LEC 1A TTh 06:00 - 07:15 pm TMH 00250 Kapila,S  
Prerequisites: Chem 1100, Chem 2510, Chem 2220, Chem 3430.  
**Prerequisite**

### Civil Engineering

2211 **Materials Testing** 1.0- 1.0 70082 LAB 3C M 05:00 - 05:50 pm IDE 00G4A Libre,N  
**Prerequisite**  
LAB 3C M 06:00 - 06:50 pm IDE 00G6  
**Prerequisite**

1.0- 1.0 71910 LAB 3F T 05:00 - 05:50 pm IDE 00G4A Libre,N  
**Prerequisite**  
LAB 3F T 06:00 - 06:50 pm IDE 00G6  
**Prerequisite**

5001 **Special Topics** 3.0- 3.0 LEC 1A T 07:00 - 08:00 pm BERTELS 00B12A Holmes,R  
Prerequisites: Stat 3113, 3115, or 3117; and graduate standing or senior standing in an undergraduate curriculum related to the environmental, earth science, or engineering.  
Environ Field Methods

5515 **Advanced Traffic Operations and Capacity Analysis** 3.0- 3.0 72906 LEC 1A Th 07:00 - 09:30 pm BCH 00213 Hu,X  
**Prerequisite**: Civ Eng 5513.

CATALOG # AND COURSE TITLE	CREDIT	CLASS#	CMP	SEC	DAY	TIME	BLDG	ROOM	INSTRUCTOR	
	3.0- 3.0	73563	LEC	1MSU	Th	07:00 - 09:30 pm	PCTR	02006	Hu,X	
									<b>Meets Off-Campus</b>	
5619	<b>Environmental Engineering Design</b>	3.0- 3.0	71812	LAB	3A	Th	05:00 - 05:50 pm	BCH	00209	Campbell,K
									<b>Prerequisite</b>	
5640	<b>Environmental Law And Regulations</b> (Co-listed with Env Eng 5640)	3.0- 3.0	71328	LEC	1A	M	07:00 - 09:30 pm	BCH	00213	Flechas,F
6713	<b>Dynamics of Earth Materials</b> Prerequisite: Preceded or accompanied by Civ Eng 5715.	3.0- 3.0	73454	LEC	1A	W	07:00 - 09:30 pm	BCH	00121	Olgun,C
6715	<b>Advanced Soil Mechanics</b> Prerequisite: Civ Eng 5715.	3.0- 3.0	72081	LEC	1A	T	07:00 - 09:30 pm	BCH	00213	Deng,W
6716	<b>Soil Stabilization</b> Prerequisite: Civ Eng 5715.	3.0- 3.0	72080	LEC	1A	M	07:00 - 09:30 pm	TMH	00260	Zhang,X

## Computer Engineering

2211	<b>Computer Engineering Laboratory</b>	1.0- 1.0	71836	LAB	3E	T	06:10 - 08:00 pm	EECH	00209A	Choi,M
										<b>Communication Emphasized</b>
										<b>Prerequisite</b>
		1.0- 1.0	72256	LAB	3J	Th	06:10 - 08:00 pm	EECH	00209A	Choi,M
										<b>Communication Emphasized</b>
										<b>Prerequisite</b>
3151	<b>Digital Engineering Lab II</b>	1.0- 1.0	71136	LAB	3C	M	06:10 - 07:00 pm	EE	00106	Stanley,R
										<b>Communication Emphasized</b>
										<b>Prerequisite</b>
				LAB	3C	M	07:00 - 07:50 pm	EECH	00209A	
										<b>Communication Emphasized</b>
										<b>Prerequisite</b>
		1.0- 1.0	71818	LAB	3D	W	06:10 - 07:00 pm	EECH	00107	Stanley,R
										<b>Communication Emphasized</b>
										<b>Prerequisite</b>
				LAB	3D	W	07:00 - 07:50 pm	EECH	00209A	
										<b>Communication Emphasized</b>
										<b>Prerequisite</b>
		1.0- 1.0	72491	LAB	3E	F	06:10 - 07:00 pm	EE	00106	Stanley,R
										<b>Communication Emphasized</b>
										<b>Prerequisite</b>
				LAB	3E	F	07:00 - 07:50 pm	EECH	00209A	
										<b>Communication Emphasized</b>
										<b>Prerequisite</b>
5110	<b>Principles of Computer Architecture</b> Prerequisite: Comp Eng 3110.	3.0- 3.0	71995	LEC	1A	TTh	05:30 - 06:45 pm	EECH	00103	Hurson,A
										<b>Prerequisite</b>
										<b>UM Shared Course-Primary</b>
6320	<b>Adaptive Dynamic Programming</b> Prerequisites: Elec Eng 5370 or Comp Eng 5310. (Co-listed with Elec Eng 6360, Mech Eng 6458, Aero Eng 6458 and Sys Eng 6215)	3.0- 3.0	73270	LEC	1A	T	07:00 - 09:30 pm	EECH	00103	Wunsch,D

## Computer Science

1580	<b>Introduction To Programming Laboratory</b>	1.0- 1.0	70369	LAB	3C	T	06:00 - 07:50 pm	CH	00105	
										<b>Prerequisite</b>
3600	<b>Introduction to Computer Security</b> Prerequisite: A "C" or better grade in Comp Sci 2500.	3.0- 3.0	73322	LEC	1A	TTh	05:00 - 06:15 pm	MCNT	00204	Taylor,P
										<b>Prerequisite</b>
4700	<b>Intellectual Property For Computer Scientists</b> Prerequisite: Senior or graduate standing.	3.0- 3.0	71353	LEC	1A	T	07:00 - 09:30 pm	CS	00209	Canis,R
										<b>Prerequisite</b>

## Economics

1100	<b>Principles Of Microeconomics</b>	3.0- 3.0	70409	LEC	1A	M	06:00 - 09:00 pm	TMH	00199	Park,E
										<b>All-digital class materials at significant savings</b>
										<b>Low Cost/No Cost Affordable Educational Resources</b>
										<b>MOTR ECON 102: Introduction to Microeconomics</b>

## Education

1174	<b>School Organization &amp; Adm For Elementary &amp; Secondary Teachers</b> Prerequisites: Educ 1040 and Educ 1104.	2.0- 2.0	70422	LEC	1A	M	05:30 - 07:20 pm	CH	00103	Zalis,A
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## Electrical Engineering

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	70428	LAB	3A	M	06:10 - 08:00 pm	EECH	00203	Swift,T
										<b>Communication Emphasized</b> <b>Prerequisite</b>
2201	<b>Electronic Devices Laboratory</b>	1.0- 1.0	71341	LAB	3C	T	06:10 - 08:00 pm	EECH	00203	Watkins,S
										This lab also meets in EECH 105 or EECH 106 when specified by the instructor. <b>Prerequisite</b>
		1.0- 1.0	71453	LAB	3E	W	06:10 - 08:00 pm	EECH	00203	Watkins,S
										This lab also meets in EECH 105 or EECH 106 when specified by the instructor. <b>Prerequisite</b>
		1.0- 1.0	72434	LAB	3J	F	05:00 - 06:50 pm	EECH	00203	Watkins,S
										This lab also meets in EECH 105 or EECH 106 when specified by the instructor. <b>Prerequisite</b>
		1.0- 1.0	73012	LAB	3L	Th	06:10 - 08:00 pm	EECH	00203	Watkins,S
										This lab also meets in EECH 105 or EECH 106 when specified by the instructor. <b>Prerequisite</b>
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	72721	LAB	3C	M	06:10 - 08:00 pm	EECH	00204	Wu,C
										<b>Communication Emphasized</b> <b>Prerequisite</b>
		1.0- 1.0	72722	LAB	3F	T	06:10 - 08:00 pm	EECH	00204	Wu,C
										<b>Communication Emphasized</b> <b>Prerequisite</b>
		1.0- 1.0	73013	LAB	3J	W	06:10 - 08:00 pm	EECH	00204	Wu,C
										<b>Communication Emphasized</b> <b>Prerequisite</b>
3321	<b>Control Systems Laboratory</b>	1.0- 1.0	72344	LAB	3D	T	05:00 - 06:50 pm	EECH	00205	Acar,L
										<b>Prerequisite</b>
		1.0- 1.0	73014	LAB	3E	M	05:00 - 06:50 pm	EECH	00205	Acar,L
										<b>Prerequisite</b>
3431	<b>Digital Communication Laboratory</b>	1.0- 1.0	72642	LAB	3E	Th	05:00 - 06:50 pm	EECH	00205	Kosbar,K
										<b>Prerequisite</b>
		1.0- 1.0	73015	LAB	3F	W	05:00 - 06:50 pm	EECH	00205	Kosbar,K
										<b>Prerequisite</b>
3541	<b>Power System Design And Analysis Laboratory</b> 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.	1.0- 1.0	71501	LAB	3A	M	05:00 - 06:50 pm	EECH	00G12	Bo,R
										This lab also meets in EECH 107 when specified by instructor. <b>Communication Emphasized</b> <b>Prerequisite</b>
5001	<b>Special Topics</b> Prerequisites: Elec Eng 2200 or equivalent or graduate standing.	3.0- 3.0	73289	LEC	1B	T	07:00 - 09:30 pm	FUL	00107A	Ferguson,I
										Introduction to Nanotechnology
5370	<b>Introduction to Neural Networks and Applications</b> Prerequisites: Graduate Standing. (Co-listed with Sys Eng 5212)	3.0- 3.0	71971	LEC	1A	T	07:00 - 09:30 pm	LIB	000G14	Dagli,C
										<b>Prerequisite</b>
6360	<b>Adaptive Dynamic Programming</b> Prerequisites: Elec Eng 5370 or Comp Eng 5310. (Co-listed with Comp Eng 6320, Mech Eng 6458, Aero Eng 6458 and Sys Eng 6215)	3.0- 3.0	73272	LEC	1A	T	07:00 - 09:30 pm	EECH	00103	Wunsch,D

## Engineering Management

4312	<b>Risk Assessment and Reduction</b> Prerequisite: Senior or Graduate Standing. (Co-listed with Chem Eng 5130)	3.0- 3.0	71577	LEC	1A	M	07:00 - 09:30 pm	CS	00209	Schmidt,M
										<b>Prerequisite</b>
5312	<b>Advanced Risk Assessment and Reduction</b> Prerequisite: Senior or Graduate Standing.	3.0- 3.0	71970	LEC	1A	M	07:00 - 09:30 pm	CS	00209	Schmidt,M
										<b>Prerequisite</b>
5412	<b>Operations Management Science</b> Prerequisites: Graduate standing.	3.0- 3.0	71360	LEC	1A	T	07:00 - 09:30 pm	TMH	00260	Gosavi,A
										<b>Prerequisite</b>
5613	<b>Value Analysis</b> Prerequisite: Senior or graduate standing.	3.0- 3.0	71530	LEC	1A	M	07:00 - 09:30 pm	BERTELS	00B12B	Lin,H
										<b>Prerequisite</b>
6110	<b>Case Studies In General Management</b> Prerequisite: Preceded or accompanied by an Eng Mgt 6000 level course.	3.0- 3.0	71203	LEC	1A	T	07:00 - 09:30 pm	LIB	00316	Bade,J
6412	<b>Mathematical Programming</b> Prerequisites: Stat 3113 or equivalent and (Eng Mgt 5414 or Math 3103 or Math 3108) (Co-listed with Math 6665)	3.0- 3.0	73379	LEC	1A	W	07:00 - 09:30 pm	BERTELS	00B12B	Kwasa,B

## English

5571	<b>Advanced Writing For Science &amp; Engineering</b> Prerequisites: English 3560 and 2560, or graduate standing.	3.0- 3.0	73377	LEC	1A	T	05:00 - 08:00 pm	TMH	00249	Hercula,S
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## Environmental Engineering

5001	<b>Special Topics</b> Prerequisites: Stat 3113, 3115, or 3117; and graduate standing or senior standing in an undergraduate curriculum related to the environmental, earth science, or engineering.	3.0- 3.0		LEC	1A	T	07:00 - 08:00 pm	BERTELS	00B12A	Holmes,R
										Environ Field Methods
5619	<b>Environmental Engineering Design</b>	3.0- 3.0	71814	LAB	3A	Th	05:00 - 05:50 pm	BCH	00209	Campbell,K
										<b>Prerequisite</b>
5640	<b>Environmental Law And Regulations</b> (Co-listed with Civ Eng 5640)	3.0- 3.0	71334	LEC	1A	M	07:00 - 09:30 pm	BCH	00213	Flechas,F

## Explosives Engineering

5713	<b>Demolition of Buildings and Structures</b> Prerequisites: Preceded or accompanied by Civ Eng 2200 or Mech Eng 2340; US citizen or permanent resident; Successful background check.	3.0- 3.0	71683	LEC	1A	T	05:30 - 08:00 pm	MCNT	00212	Vaill,J
										<b>Prerequisite</b>

## Freshman Engineering

1100	<b>Study And Careers In Engineering</b>	1.0- 1.0	71701	LEC	1A	M	05:00 - 05:50 pm	BCH	00125	Miller,F
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## Geological Engineering

5001	<b>Special Topics</b> Prerequisites: Stat 3113, 3115, or 3117; and graduate standing or senior standing in an undergraduate curriculum related to the environmental, earth science, or engineering.	3.0- 3.0		LEC	1A	T	07:00 - 08:00 pm	BERTELS	00B12A	Holmes,R
										Environ Field Methods

## Geology

2611	<b>Physical Mineralogy And Petrology</b> Prerequisites: Chem 1310 and Chem 1319 or Chem 1351; Geo Eng 1150 or Geology 1110.	3.0- 3.0		LEC	1A	MW	05:00 - 05:50 pm	MCNT	00204	Wronkiewicz,D
										<b>Prerequisite</b>

## History

3763	<b>Contemporary Political Thought</b> Prerequisite: History 1300 or History 1310 or Pol Sci 1200. (Co-listed with Pol Sci 3763)	3.0- 3.0	73214	LEC	1A	W	06:00 - 08:45 pm	H-SS	00101	Meagher,M
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## Materials Science & Eng

5230	<b>Energy Materials</b> Prerequisite: Senior standing.	3.0- 3.0	71714	LEC	1A	M	07:00 - 09:30 pm	BERTELS	00B12A	Dogan,F
6220	<b>Advanced Energy Materials</b> Prerequisite: Graduate standing.	3.0- 3.0	71715	LEC	1A	M	07:00 - 09:30 pm	BERTELS	00B12A	Dogan,F

## Mathematics

1214	<b>Calculus For Engineers I</b>	4.0- 4.0	72282	LAB	3N	T	06:00 - 07:15 pm	PHYS	00127	
				<b>See 'Notes' for Evening Exams</b>						
				<b>Prerequisite</b>						
		4.0- 4.0	72283	LAB	3P	T	07:30 - 08:45 pm	PHYS	00127	
				<b>See 'Notes' for Evening Exams</b>						
				<b>Prerequisite</b>						
		4.0- 4.0	72284	LAB	3Q	Th	06:00 - 07:15 pm	PHYS	00127	
				<b>See 'Notes' for Evening Exams</b>						
				<b>Prerequisite</b>						
		4.0- 4.0	72285	LAB	3R	Th	07:30 - 08:45 pm	PHYS	00127	
				<b>See 'Notes' for Evening Exams</b>						
				<b>Prerequisite</b>						
6665	<b>Mathematical Programming</b> Prerequisites: Stat 3113 or equivalent and (Eng Mgt 5414 or Math 3103 or Math 3108). (Co-listed with Eng Mgt 6412)	3.0- 3.0	73381	LEC	1A	W	07:00 - 09:30 pm	BERTELS	00B12B	Kwasa,B

## Mechanical Engineering

4480	<b>Control System Laboratory</b>	1.0- 1.0	71505	LAB	3B	M	06:00 - 08:50 pm	TMH	00216	Balakrishnan,S
				ME 4480 will meet 4:00-4:50 pm in CE 125 Tues and Wed of the first week of classes. Labs begin the second week.						
				<b>Prerequisite</b>						
		1.0- 1.0	70656	LAB	3E	T	06:00 - 08:50 pm	TMH	00216	Balakrishnan,S
				ME 4480 will meet 4:00-4:50 pm in CE 125 Tues and Wed of the first week of classes. Labs begin the second week.						
				<b>Prerequisite</b>						
		1.0- 1.0	71815	LAB	3H	W	06:00 - 08:50 pm	TMH	00216	Balakrishnan,S
				ME 4480 will meet 4:00-4:50 pm in CE 125 Tues and Wed of the first week of classes. Labs begin the second week.						
				<b>Prerequisite</b>						
5575	<b>Mechanical Systems For Environmental Control</b> Prerequisites: Mech Eng 3521 and 3525; or Mech Eng 2527 and Civ Eng 3330.	3.0- 3.0	71881	LEC	1A	T	07:00 - 09:30 pm	BCH	00121	Williams JR,G
				<b>Prerequisite</b>						
5656	<b>Design For Manufacture</b> Prerequisites: Mech Eng 3708, Mech Eng 3653.	3.0- 3.0	71041	LEC	1A	Th	07:00 - 09:30 pm	BERTELS	00B12A	Appelman,H
				<b>Prerequisite</b>						
6458	<b>Adaptive Dynamic Programming</b> Prerequisites: Elec Eng 5370 or Comp Eng 5310. (Co-listed with Comp Eng 6320, Elec Eng 6360, Aero Eng 6458 and Sys Eng 6215)	3.0- 3.0	73274	LEC	1A	T	07:00 - 09:30 pm	EECH	00103	Wunsch,D

## Music

1132	<b>University Orchestra</b>	2.0- 2.0	70758	LAB	3A	M	07:00 - 09:30 pm	CASTL	00137	Wernke,K
				(Symphony Orchestra)						
1134	<b>Instrumental Chamber Ensemble-Strings</b>	1.0- 1.0	70759	LAB	3A	Th	07:00 - 09:00 pm	CASTL	00137	Wernke,K
				(Chamber Orchestra)						
1136	<b>Jazz Ensemble</b> Prerequisite: Consent of instructor.	1.0- 1.0	70760	LAB	3A	T	06:00 - 08:30 pm	CASTL	00137	Cress,D

## Petroleum Engineering

4097	<b>Petroleum Engineering Design</b>	3.0- 3.0	72429	LEC 1B	W	05:00 - 07:30 pm	MCNT	00114	Flori,R	
				<b>Prerequisite</b>						
6541	<b>Advanced Reservoir Engineering I</b> Prerequisites: Pet Eng 5631 and Pet Eng 4520.	3.0- 3.0	71887	LEC 1A	T	07:00 - 09:30 pm	MCNT	00130	Bai,B	

## Physics

1135	<b>Engineering Physics I</b>	0.0- 0.0	70818	LAB 3L05	M	06:00 - 07:50 pm	PHYS	00215	Waddill,G	
				<b>See 'Notes' for Evening Exams</b>						
				<b>MOTR PHYS 200L: Advanced Physics I with Lab</b>						
				<b>Prerequisite</b>						
		0.0- 0.0	70819	LAB 3L06	M	06:00 - 07:50 pm	PHYS	00215	Waddill,G	
				<b>See 'Notes' for Evening Exams</b>						
				<b>MOTR PHYS 200L: Advanced Physics I with Lab</b>						
				<b>Prerequisite</b>						
		0.0- 0.0	70826	LAB 3L13	T	06:00 - 07:50 pm	PHYS	00215	Waddill,G	
				<b>See 'Notes' for Evening Exams</b>						
				<b>MOTR PHYS 200L: Advanced Physics I with Lab</b>						
				<b>Prerequisite</b>						
		0.0- 0.0	70827	LAB 3L14	T	06:00 - 07:50 pm	PHYS	00215	Waddill,G	
				<b>See 'Notes' for Evening Exams</b>						
				<b>MOTR PHYS 200L: Advanced Physics I with Lab</b>						
				<b>Prerequisite</b>						
		0.0- 0.0	72070	LAB 3L25	Th	06:00 - 07:50 pm	PHYS	00215	Waddill,G	
				<b>See 'Notes' for Evening Exams</b>						
				<b>MOTR PHYS 200L: Advanced Physics I with Lab</b>						
				<b>Prerequisite</b>						
		0.0- 0.0	72071	LAB 3L26	Th	06:00 - 07:50 pm	PHYS	00215	Waddill,G	
				<b>See 'Notes' for Evening Exams</b>						
				<b>MOTR PHYS 200L: Advanced Physics I with Lab</b>						
				<b>Prerequisite</b>						
1509	<b>Astronomy Laboratory</b> Prerequisite: Preceded or accompanied by Physics 1505 or 1515.	1.0- 1.0	72314	LAB 3A	M	06:00 - 07:50 pm	PHYS	00213	Story,J	
				<b>MOTR ASTR 100L: Astronomy with Lab</b>						
				<b>Prerequisite</b>						
		1.0- 1.0	72315	LAB 3B	W	06:00 - 07:50 pm	PHYS	00213	Story,J	
				<b>MOTR ASTR 100L: Astronomy with Lab</b>						
				<b>Prerequisite</b>						
2119	<b>General Physics Laboratory</b>	1.0- 1.0	71706	LAB 3B	T	06:00 - 07:50 pm	PHYS	00214	Waddill,G	
				<b>Prerequisite</b>						
2135	<b>Engineering Physics II</b>	0.0- 0.0	70843	LAB 3L05	M	06:00 - 07:50 pm	PHYS	00214	Waddill,G	
				<b>See 'Notes' for Evening Exams</b>						
				<b>Prerequisite</b>						
		0.0- 0.0	70844	LAB 3L06	M	06:00 - 07:50 pm	PHYS	00214	Waddill,G	
				<b>See 'Notes' for Evening Exams</b>						
				<b>Prerequisite</b>						
		0.0- 0.0	71483	LAB 3L16	W	06:00 - 07:50 pm	PHYS	00214	Waddill,G	
				<b>See 'Notes' for Evening Exams</b>						
				<b>Prerequisite</b>						

## Political Science

3763	<b>Contemporary Political Thought</b> Prerequisite: History 1300 or History 1310 or Pol Sci 1200. (Co-listed with History 3763)	3.0- 3.0	73215	LEC 1A	W	06:00 - 08:45 pm	H-SS	00101	Meagher,M	
				<b>Prerequisite</b>						

## Psychology

1101	<b>General Psychology</b>	3.0- 3.0	72440	LEC 1C	T	06:00 - 08:45 pm	H-SS	000G5	Stratman,T	
				<b>All-digital class materials at significant savings</b>						
				<b>MOTR PSYC 100: General Psychology</b>						
5012	<b>Ethics and Professional Responsibilities</b> Prerequisite: Graduate standing.	1.0- 1.0	72833	LEC 1A	Th	05:00 - 05:50 pm	H-SS	00105	Murray,S	
5201	<b>Psychometrics</b> Prerequisite: Psych 5202.	3.0- 3.0	71830	LEC 1A	M	07:00 - 09:30 pm	H-SS	00105	Burns,D	
				<b>Prerequisite</b>						

CATALOG # AND COURSE TITLE	CREDIT	CLASS#	CMP	SEC	DAY	TIME	BLDG	ROOM	INSTRUCTOR
5601 <b>Small Group Dynamics</b> Prerequisite: Psych 4601 or graduate standing.	3.0- 3.0	72519	LEC	1A	Th	07:00 - 09:30 pm	H-SS	00105	Shank,D
									<b>All-digital class materials at significant savings</b> <b>Low Cost/No Cost Affordable Educational Resources</b> <b>Prerequisite</b>
<b>Speech &amp; Media Studies</b>									
1185 <b>Principles Of Speech</b>	3.0- 3.0	72895	LEC	1Q	TTh	06:00 - 07:15 pm	H-SS	000G9	Haynes,W
									<b>Communication Intensive</b> <b>MOTR COMM 110: Fundamentals of Public Speaking</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	71403	LEC	1A	W	06:00 - 09:00 pm	CSF	00114	Rupert,B
									<b>Prerequisite</b>
	3.0- 3.0	71991	LEC	1B	Th	06:00 - 09:00 pm	CSF	00114	Rupert,B
									<b>Prerequisite</b>
<b>Statistics</b>									
3115 <b>Engineering Statistics</b>	3.0- 3.0	71195	LEC	1C	TTh	06:00 - 07:15 pm	CH	00104	Hammuda,M
									<b>Prerequisite</b>
<b>Systems Engineering</b>									
5212 <b>Introduction to Neural Networks and Applications</b> Prerequisites: Graduate Standing. (Co-listed with Elec Eng 5370)	3.0- 3.0	71850	LEC	1A	T	07:00 - 09:30 pm	LIB	000G14	Dagli,C
									<b>Prerequisite</b>
6196 <b>Systems Engineering Capstone</b> Prerequisites: Sys Eng 6105.	3.0- 3.0	71315	LEC	1A	M	07:00 - 09:30 pm	LIB	00316	Pape II,L