

2019 SPRING SEMESTER MAIN MISSOURI S&T CAMPUS CLASS OFFERINGS

CATALOG # AND COURSE TITLE	CREDIT	CLASS#	CMP	SEC	DAY	TIME	BLDG	ROOM	INSTRUCTOR
----------------------------	--------	--------	-----	-----	-----	------	------	------	------------

Aerosp Studies-Air Force ROTC

4120 National Security Affairs/Preparation For Active Duty II	3.0-	3.0	LEC	1A	T	05:30 - 08:00 pm	HARR	00208	Logsdon,C
--	------	-----	-----	----	---	------------------	------	-------	-----------

Aerospace Engineering

2780 Introduction to Aerospace Design	2.0-	2.0	72464	LAB	3C	M	05:00 - 07:00 pm	ARR	Meeks,W	
2790 Introduction to Spacecraft Design	2.0-	2.0	73480	LAB	3D	W	05:00 - 06:50 pm	ARR	Schmidt,J	
Field Trip Required										
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
	3.0-	3.0	71755	LAB	3B	W	06:00 - 08:00 pm	BCH	00110	Gillis,W

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
Communication Emphasized										
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
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	
										MOTR BIOL 100L: Essentials in Biology with Lab
										MOTR BIOL 150L: Biology with Lab
	2.0-	2.0	71709	LAB	3B	M	07:00 - 08:50 pm	SHNK	00111	
										MOTR BIOL 100L: Essentials in Biology with Lab
										MOTR BIOL 150L: Biology with Lab
1229 Biodiversity Lab	1.0-	1.0	72668	LAB	3B	T	06:00 - 08:50 pm	SHNK	00111	Wilson,T
2219 Cell Biology Laboratory	1.0-	1.0	71754	LAB	3B	Th	06:00 - 07:50 pm	SHNK	00111	Wilson,T
3319 Microbiology Lab	2.0-	2.0	72985	LAB	3C	TTh	05:00 - 07:00 pm	SHNK	000G7	Westenberg,D
3349 Human Anatomy and Physiology II Laboratory	1.0-	1.0	71692	LAB	3B	W	05:00 - 05:50 pm	SHNK	00313	Havens,S

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
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	
										Prerequisite
										LEC 1A
										Prerequisite
										LEC 1A
										Prerequisite
										LEC 1A
										Prerequisite
										LEC 1A

CATALOG # AND COURSE TITLE	CREDIT	CLASS#	CMP	SEC	DAY	TIME	BLDG	ROOM	INSTRUCTOR
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

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 Prerequisites: Preceded or accompanied by Chem 2210 and Chem 1100.	1.0- 1.0	71777	LAB	3A	W	06:00 - 06:50 pm	SHNK	00305	Bone,T
			LAB	3A	W	07:00 - 08:50 pm	SHNK	00303	
	1.0- 1.0	71800	LAB	3B	Th	06:00 - 06:50 pm	SHNK	00305	Bone,T
			LAB	3B	Th	07:00 - 08:50 pm	SHNK	00303	
	1.0- 1.0	72850	LAB	3C	M	06:00 - 06:50 pm	SHNK	00305	Bone,T
			LAB	3C	M	07:00 - 08:50 pm	SHNK	00303	
4510 Instrumental Methods Of Chemical Analysis Prerequisites: Chem 3510 and Chem 3430.	4.0- 4.0		LEC	1A	TTh	06:00 - 07:15 pm	TMH	00250	Kapila,S
5510 Introduction to Chemical Analysis Prerequisites: Chem 1100, Chem 2510, Chem 2220, Chem 3430.	4.0- 4.0		LEC	1A	TTh	06:00 - 07:15 pm	TMH	00250	Kapila,S

Civil Engineering

2211 Materials Testing	1.0- 1.0	70082	LAB	3C	M	05:00 - 05:50 pm	IDE	000G4A	Libre,N
			LAB	3C	M	06:00 - 06:50 pm	IDE	000G6	
	1.0- 1.0	71910	LAB	3F	T	05:00 - 05:50 pm	IDE	000G4A	Libre,N
			LAB	3F	T	06:00 - 06:50 pm	IDE	000G6	
5001 Special Topics 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
5515 Advanced Traffic Operations and Capacity Analysis Prerequisite: Civ Eng 5513.	3.0- 3.0	72906	LEC	1A	Th	07:00 - 09:30 pm	BCH	00213	Hu,X
	3.0- 3.0	73563	LEC	1MSU	Th	07:00 - 09:30 pm	PCTR	02006	Hu,X
									Meets Off-Campus Prerequisite
5619 Environmental Engineering Design	3.0- 3.0	71812	LAB	3A	Th	05:00 - 05:50 pm	BCH	00209	Campbell,K
5640 Environmental Law And Regulations (Co-listed with Env Eng 5640)	3.0- 3.0	71328	LEC	1A	M	07:00 - 09:30 pm	BCH	00213	Flechas,F
6713 Dynamics of Earth Materials 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 Advanced Soil Mechanics Prerequisite: Civ Eng 5715.	3.0- 3.0	72081	LEC	1A	T	07:00 - 09:30 pm	BCH	00213	Deng,W
6716 Soil Stabilization Prerequisite: Civ Eng 5715.	3.0- 3.0	72080	LEC	1A	M	07:00 - 09:30 pm	TMH	00260	Zhang,X

Computer Engineering

2211 Computer Engineering Laboratory	1.0- 1.0	71836	LAB	3E	T	06:10 - 08:00 pm	EECH	00209A	Choi,M
									Communication Emphasized
	1.0- 1.0	72256	LAB	3J	Th	06:10 - 08:00 pm	EECH	00209A	Choi,M
									Communication Emphasized
3151 Digital Engineering Lab II	1.0- 1.0	71136	LAB	3C	M	06:10 - 07:00 pm	EE	00106	Stanley,R
									Communication Emphasized
			LAB	3C	M	07:00 - 07:50 pm	EECH	00209A	
									Communication Emphasized
	1.0- 1.0	71818	LAB	3D	W	06:10 - 07:00 pm	EECH	00107	Stanley,R
									Communication Emphasized
			LAB	3D	W	07:00 - 07:50 pm	EECH	00209A	
									Communication Emphasized
	1.0- 1.0	72491	LAB	3E	F	06:10 - 07:00 pm	EE	00106	Stanley,R
									Communication Emphasized
			LAB	3E	F	07:00 - 07:50 pm	EECH	00209A	
									Communication Emphasized

CATALOG # AND COURSE TITLE	CREDIT	CLASS#	CMP	SEC	DAY	TIME	BLDG	ROOM	INSTRUCTOR
5110 Principles of Computer Architecture Prerequisite: Comp Eng 3110.	3.0- 3.0	71995	LEC	1A	TTh	05:30 - 06:45 pm	EECH	00103	Hurson,A
6320 Adaptive Dynamic Programming 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 Introduction To Programming Laboratory	1.0- 1.0	70369	LAB	3C	T	06:00 - 07:50 pm	CH	00105	
3600 Introduction to Computer Security 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
4700 Intellectual Property For Computer Scientists Prerequisite: Senior or graduate standing.	3.0- 3.0	71353	LEC	1A	T	07:00 - 09:30 pm	CS	00209	Canis,R

Economics

1100 Principles Of Microeconomics	3.0- 3.0	70409	LEC	1A	M	06:00 - 09:00 pm	TMH	00199	Park,E
									MOTR ECON 102: Introduction to Microeconomics

Education

1174 School Organization & Adm For Elementary & Secondary Teachers Prerequisites: Educ 1040 and Educ 1104.	2.0- 2.0	70422	LEC	1A	M	05:30 - 07:20 pm	CH	00103	Zalis,A
--	----------	-------	-----	----	---	------------------	----	-------	---------

Electrical Engineering

2101 Circuit Analysis Laboratory I Prerequisite: Preceded or accompanied by Elec Eng 2100. A student who drops Elec Eng 2100 must also drop Elec Eng 2101.	1.0- 1.0	70428	LAB	3A	M	06:10 - 08:00 pm	EECH	00203	Swift,T
									Communication Emphasized
2201 Electronic Devices Laboratory	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.
	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.
	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.
	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.
3101 Electronics I Laboratory Prerequisites: Elec Eng 2120, Elec Eng 2200, Elec Eng 2201, and Comp Eng 2210 each with a grade of "C" or better. Passing grade on Elec Eng Advancement Exam II and III. Elec Eng 3100 is a corequisite.	1.0- 1.0	72721	LAB	3C	M	06:10 - 08:00 pm	EECH	00204	Wu,C
									Communication Emphasized
	1.0- 1.0	72722	LAB	3F	T	06:10 - 08:00 pm	EECH	00204	Wu,C
									Communication Emphasized
	1.0- 1.0	73013	LAB	3J	W	06:10 - 08:00 pm	EECH	00204	Wu,C
									Communication Emphasized
3321 Control Systems Laboratory	1.0- 1.0	72344	LAB	3D	T	05:00 - 06:50 pm	EECH	00205	Acar,L
	1.0- 1.0	73014	LAB	3E	M	05:00 - 06:50 pm	EECH	00205	Acar,L
3431 Digital Communication Laboratory	1.0- 1.0	72642	LAB	3E	Th	05:00 - 06:50 pm	EECH	00205	Kosbar,K
	1.0- 1.0	73015	LAB	3F	W	05:00 - 06:50 pm	EECH	00205	Kosbar,K
3541 Power System Design And Analysis Laboratory 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.
									Communication Emphasized
5001 Special Topics 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

CATALOG # AND COURSE TITLE	CREDIT	CLASS#	CMP	SEC	DAY	TIME	BLDG	ROOM	INSTRUCTOR
5370 Introduction to Neural Networks and Applications 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
6360 Adaptive Dynamic Programming 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 Risk Assessment and Reduction 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
5312 Advanced Risk Assessment and Reduction Prerequisite: Senior or Graduate Standing.	3.0- 3.0	71970	LEC	1A	M	07:00 - 09:30 pm	CS	00209	Schmidt,M
5412 Operations Management Science Prerequisites: Graduate standing.	3.0- 3.0	71360	LEC	1A	T	07:00 - 09:30 pm	TMH	00260	Gosavi,A
5613 Value Analysis Prerequisite: Senior or graduate standing.	3.0- 3.0	71530	LEC	1A	M	07:00 - 09:30 pm	BERTELS	00B12B	Lin,H
6110 Case Studies In General Management 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 Mathematical Programming 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 Advanced Writing For Science & Engineering 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
---	----------	-------	-----	----	---	------------------	-----	-------	-----------

Environmental Engineering

5001 Special Topics 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
5619 Environmental Engineering Design	3.0- 3.0	71814	LAB	3A	Th	05:00 - 05:50 pm	BCH	00209	Campbell,K
5640 Environmental Law And Regulations (Co-listed with Civ Eng 5640)	3.0- 3.0	71334	LEC	1A	M	07:00 - 09:30 pm	BCH	00213	Flechas,F

Freshman Engineering

1100 Study And Careers In Engineering	1.0- 1.0	71701	LEC	1A	M	05:00 - 05:50 pm	EMGT	00103	Miller,F
--	----------	-------	-----	----	---	------------------	------	-------	----------

Geological Engineering

5001 Special Topics 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
---	----------	--	-----	----	---	------------------	---------	--------	----------

Geology

2611 Physical Mineralogy And Petrology 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	Tucker,R
4841 Geological Field Studies	3.0- 3.0	72100	LEC	1A	W	05:00 - 06:50 pm	MCNT	00124	Wronkiewicz,D

History

3763	Contemporary Political Thought 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
------	--	----------	-------	-----	----	---	------------------	------	-------	-----------

Materials Science & Eng

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

Mathematics

1214	Calculus For Engineers I	4.0- 4.0	72282	LAB	3N	T	06:00 - 07:15 pm	PHYS	00127	
				See 'Notes' for Evening Exams						
		4.0- 4.0	72283	LAB	3P	T	07:30 - 08:45 pm	PHYS	00127	
				See 'Notes' for Evening Exams						
		4.0- 4.0	72284	LAB	3Q	Th	06:00 - 07:15 pm	PHYS	00127	
				See 'Notes' for Evening Exams						
		4.0- 4.0	72285	LAB	3R	Th	07:30 - 08:45 pm	PHYS	00127	
				See 'Notes' for Evening Exams						
6665	Mathematical Programming 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	Control System Laboratory	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.						
		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.						
5575	Mechanical Systems For Environmental Control 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
5656	Design For Manufacture Prerequisites: Mech Eng 3708, Mech Eng 3653.	3.0- 3.0	71041	LEC	1A	Th	07:00 - 09:30 pm	BERTELS	00B12A	Appelman,H
6458	Adaptive Dynamic Programming 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	University Orchestra	2.0- 2.0	70758	LAB	3A	M	07:00 - 09:30 pm	CASTL	00137	Wernke,K
1134	Instrumental Chamber Ensemble-Strings	1.0- 1.0	70759	LAB	3A	Th	07:00 - 09:00 pm	CASTL	00137	Wernke,K
				(Chamber Orchestra)						
1136	Jazz Ensemble Prerequisite: Consent of instructor.	1.0- 1.0	70760	LAB	3A	T	06:00 - 08:30 pm	CASTL	00137	Cress,D

Petroleum Engineering

4097	Petroleum Engineering Design	3.0- 3.0	72429	LEC	1B	W	05:00 - 07:30 pm	MCNT	00114	Flori,R
6541	Advanced Reservoir Engineering I 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	Engineering Physics I	0.0- 0.0	70818	LAB	3L05	M	06:00 - 07:50 pm	PHYS	00215	Waddill,G
				See 'Notes' for Evening Exams						
				MOTR PHYS 200L: Advanced Physics I with Lab						

