

## NRES BLOCK ELECTIVE LINE SCHEDULE

Fall 2021

### Natural Science Courses

DEPT	NO	TITLE	CREDITS	PREREQUISITES	KSTATE 8 CATEGORIES
AGRON	305	Soils	4	CHM 110 or CHM 210	Global Issues and Perspectives Natural and Physical Sciences
BIOL	529	Fundamentals of Ecology	3	BIOL 198 and CHM 201	Empirical & Quant Reasoning Natural and Physical Sciences
CHM	315	Environmental Science: A Chemistry Perspective	3	CHM 230 or CHM 250	Global Issues and Perspective Natural and Physical Sciences
CHM	316	Environmental Science: A Chemistry Perspective	1	Co-Requisite – CHM 315	Global Issues and Perspective Natural and Physical Sciences
ENTOM	301	Insects and People	3		Natural and Physical Sciences
ENTOM	312	General Entomology	3		Global Issues and Perspectives Natural and Physical Sciences
ENTOM	692	Insect Ecology	3	BIOL 303, BIOL 529, ENTOM 312	
GEOL	502	Mineralogy	3	GEOL 100 and GEOL 103; CHM 110 and CHM 111 or CHM 210	Empirical and Quantitative Reasoning Natural and Physical Sciences
GEOL	520	Geomorphology	3	GEOL 100 or GEOG 121	Natural and Physical Sciences
GEOL	711	Water Resource Geochemistry	3	AGRON 305, GEOL 605, GEOL 611	

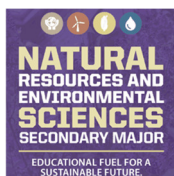


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### Fall 2021

### Social Sciences & Humanities Courses

DEPT	NO	TITLE	CREDITS	PREREQUISITES	KSTATE 8 CATEGORIES
AGEC	525	Natural Resource and Environmental Economics	3	AGEC 120 or AGECE 121 or ECON 110 or ECON 120 and junior standing	Empirical & Quantitative Reasoning Social Sciences
AGEC	610	Current Agric & Nat Resource Policy Issues	3	AGEC 505 and either AGECE 525 or AGECE 410	Social Sciences
ANTH	260	Introduction to Archeology	3		Historical Perspectives Social Sciences
ANTH	310	Environmental Anthropology: Living with Change in the Anthropocene	3		Social Sciences Global Issues and Perspectives
GEOG	761	Human Impact on the Environment	3	6 hours of social sciences	
PLAN	315	Introduction to City Planning	3	Sophomore standing and ENGL 100	Ethical Reasoning & Responsibility Historical Perspectives
SOCIO	536	Society and Natural Resources	3	SOCIO 211 or instructor consent	Ethical Reasoning & Responsibility Social Sciences



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### Applied Science & Technology Courses

<u>DEPT</u>	<u>NO</u>	<u>TITLE</u>	<u>CREDITS</u>	<u>PREREQUISITES</u>	<u>KSTATE 8 CATEGORIES</u>
AGRON	330	Weed Science	3	AGRON 220	Empirical & Quant Reasoning Natural and Physical Sciences
AGRON	335	Environmental Quality	3	CHM 110 or CHM 210	Ethical Reasoning & Responsibility Natural and Physical Sciences
AGRON	501	Range Management	3	AGRON 305	Empirical & Quant Reasoning Natural and Physical Sciences
AGRON	635	Soil and Water Conservation	3	AGRON 305	Empirical & Quant Reasoning Natural and Physical Sciences
AGRON	645	Soil Microbiology	3	AGRON 305 or BIOL 455	Empirical & Quant Reasoning Natural and Physical Sciences
AGRON	646	Soil Microbiology Laboratory	1	AGRON 645	Empirical & Quant Reasoning Natural and Physical Sciences
ATM	653	Water Mgmt & Irrigation Systems	2	ATM 558	
ATM	661	Watershed Management	3	CHM 110 or CHM 201 and BIOL 198	
BAE	660	Hydraulic Transport in Biological Systems	3	BAE 560 or CE 550 and ME 571	
BIOL	303	Ecology of Environmental Problems	3	Two courses in natural science	Global Issues and Perspectives Natural and Physical Sciences
CE	552	Hydraulic Engineering	3	CE 550, ME 571	
CE	563	Environmental Engineering Fund	3	CHM 230 and MATH 222	Natural and Physical Sciences
CE	625	Principles of Geoenvironmental Engineering	3	CE 522	
CHE	650	Hazardous Waste Engineering Seminar (Global Campus)	1	CHM 230	
CHE	670	Sustainability Seminar (Global Campus)	1	CHM 230	

GEOG	508	Geographic Information Systems I	4	GEOG 302	Empirical & Quant Reasoning Social Sciences
GEOG	605	Remote Sensing of Environment	3	One course each in physical and biological science	
GEOL	730	Petroleum Geology	3	GEOL 530 and GEOL 630	
GEOL	760	Geochemical and Biogeochemical Modeling	3	CHM 210, CHM 230 (or CHM 220, CHM 250), GEOL 605	Empirical and Quantitative Reasoning Natural and Physical Sciences
LAR	734	Rivers: Processes & Forms	3		