

**Course Requirements and Registration Priorities
School of Sciences and Humanities (Undergraduate), Fall 2019**

#	Abbr	Title	Cr(US)	Cr(ECTS)	PreRequisite	CoRequisite	AntiRequisite	1st priority registration	2nd priority registration	3rd priority registration	4th priority registration
SSH											
Biological Science											
1	BIOL 101	Biology for non-Science majors	3	6			BIOL 110 Modern Biology I (1070) (C- and above)	Anthropology, Economics, History, Nursing, Political Science and International Relations, SEDS, SMG, Sociology, Undeclared SSH, World Languages, Literatures and Cultures			
2	BIOL 110	Modern Biology I	3	6				Biological Sciences, Chemistry	Computer Science, Mathematics, Physics, Robotics and Mechatronics	Anthropology, Economics, History, Political Science and International Relations, Sociology, Undeclared SSH, World Languages, Literatures and Cultures	
3	BIOL 230	Human Anatomy and Physiology I	4	8	BIOL 110 Modern Biology I (107) (C and above) OR BIOL 110 Modern Biology I (1070) (C and above)			Biological Sciences	Chemistry, Mathematics, Physics	SEDS, SMG, SSH, SoM	
4	BIOL 305	Introduction to Microbiology with Lab	4	8	BIOL 110 Modern Biology I (1070) (C and above) AND BIOL 120 Modern Biology II (1195) (C and above)			Biological Sciences	Chemistry, Mathematics, Physics	SEDS, SMG, SSH, SoM	
5	BIOL 310	Immunology	3	6	BIOL 301 Molecular Biology of Cell with Lab (1197) (C and above) OR BIOL 305 Introduction to Microbiology with Lab (1642) (C and above) OR BIOL 301 Molecular Cell Biology (5809) (C and above) OR BIOL 305 Introduction to Microbiology (5789) (C and above)			Biological Sciences	Chemistry, Mathematics, Physics	SEDS, SMG, SSH, SoM	

6	BIOL 320	Developmental Biology	3	6	BIOL 230 Human Anatomy and Physiology I (72) (C and above) OR BIOL 230 Human Anatomy and Physiology I (6217) (C and above)		Biological Sciences	Chemistry, Mathematics, Physics	SEDS, SMG, SSH, SoM	
7	BIOL 340	Introduction to Applied Bioinformatics	4	8	(BIOL 120 Modern Biology II (1195) (C and above) OR (BIOL 120 Modern Biology II (1195) (C and above) AND BIOL 120L Modern Biology II Laboratory (5443) (C and above))) AND MATH 310 Applied Statistical Methods (82) (C and above)		Biological Sciences	Chemistry, Mathematics, Physics	SEDS, SMG, SSH, SoM	
8	BIOL 341	Biochemistry I	3	6	CHEM 211 Organic Chemistry I (154) (C and above)		Biological Sciences	Chemistry, Mathematics, Physics	SEDS, SMG, SSH, SoM	
9	BIOL 355	Critical Research Reasoning	3	6	BIOL 120 Modern Biology II (1195) (C and above)		Biological Sciences	Chemistry, Mathematics, Physics	SEDS, SMG, SSH, SoM	
10	BIOL 370	Genetics	3	6	BIOL 120 Modern Biology II (1195) (C and above)		Biological Sciences	Chemistry, Mathematics, Physics	SEDS, SMG, SSH, SoM	
11	BIOL 385	Cell signaling: principles and mechanisms	3	6	BIOL 120 Modern Biology II (1195) (C and above)		Biological Sciences	Chemistry, Mathematics, Physics	SEDS, SMG, SSH, SoM	
12	BIOL 392	Directed Study in Biology	3	6			Instructor's Permission Required			
13	BIOL 425	Biomedical Research Methods	3	6	BIOL 110 Modern Biology I (1070) (C and above) AND (BIOL 301 Molecular Biology of Cell with Lab (1197) (C and above) OR (BIOL 301 Molecular Cell Biology (5809) (C and above) AND BIOL 301L Molecular Cell Biology Laboratory (5678) (C and above))) AND (BIOL 341 Biochemistry I (2002) (C and above) OR CHEM 341 Biochemistry I (1058) (C and above))		Biological Sciences			
14	BIOL 452	Biology of Cancer	3	6	BIOL 231 Human Anatomy and Physiology II (479) (C and above) OR BIOL 301 Molecular Biology of Cell with Lab (1197) (C and above) OR BIOL 331 Human Anatomy and Physiology II (6218) (C and above) OR BIOL 301 Molecular Cell Biology (5809) (C and above)		Biological Sciences	Chemistry, Mathematics, Physics	SEDS, SMG, SSH, SoM	

15	BIOL 455	Biotechnology	3	6	BIOL 301 Molecular Biology of Cell with Lab (1197) (C- and above) OR (BIOL 301 Molecular Cell Biology (5809) (C- and above) AND BIOL 301L Molecular Cell Biology Laboratory (5678) (C- and above))			Biological Sciences	Chemistry, Mathematics, Physics	SEDS, SMG, SSH, SoM	
16	BIOL 470	Advanced Cell Biology	3	6	BIOL 120 Modern Biology II (1195) (C and above) AND BIOL 110L Modern Biology I Laboratory (5448) (C and above) AND (BIOL 341 Biochemistry I (2002) (C and above) OR CHEM 341 Biochemistry I (1058) (C and above))			Biological Sciences	Chemistry, Mathematics, Physics	SEDS, SMG, SSH, SoM	
17	BIOL 490	Honors Thesis Research	0	0	BIOL 355 Critical Research Reasoning (1000) (B and above)			Instructor's Permission Required			
Chemistry											
18	CHEM 090	Chemistry for Non-Science majors	3	6				Anthropology, Economics, History, Nursing, Political Science and International Relations, Sociology, Undeclared SSH, World Languages, Literatures and Cultures			
19	CHEM 091	Survey of Physical Science	3	6				Anthropology, Economics, History, Political Science and International Relations, Sociology, Undeclared SSH, World Languages, Literatures and Cultures			
20	CHEM 101	General Chemistry I	3	6				Biological Sciences, Chemistry	Mathematics, Physics	SMG	
21	CHEM 101L	General Chemistry I lab	1	2		CHEM 101 General Chemistry I (113) (C and above)		Biological Sciences, Chemistry		SMG	
22	CHEM 102	General Chemistry II	3	6	CHEM 101 General Chemistry I (113) (C and above)			SMG	Biological Sciences, Chemistry	SEDS, SSH, SoM	

23	CHEM 211	Organic Chemistry I	3	6	CHEM 102 General Chemistry II (232) (C and above)			Biological Sciences, Chemistry	SEDS, SMG, SSH, SoM		
24	CHEM 211L	Organic Chemistry I Lab	1	2	CHEM 101L General Chemistry I lab (179) (C and above)	CHEM 211 Organic Chemistry I (154) (C and above)		Biological Sciences, Chemistry	SEDS, SMG, SSH, SoM		
25	CHEM 220	Quantitative Chemical Analysis	3	6	CHEM 102 General Chemistry II (232) (C and above)			Chemistry	Biological Sciences	SEDS, SMG, SSH, SoM	
26	CHEM 220L	Quantitative Chemical Analysis Lab	1	2	CHEM 101L General Chemistry I lab (179) (C and above)	CHEM 220 Quantitative Chemical Analysis (555) (C and above)		Chemistry	Biological Sciences	SEDS, SMG, SSH, SoM	
27	CHEM 331	Physical Chemistry I	3	6	CHEM 220 Quantitative Chemical Analysis (555) (C and above) AND PHYS 161 Physics I for Scientists and Engineers with Laboratory (116) (C and above)			Chemistry	Biological Sciences	SEDS, SMG, SSH, SoM	
28	CHEM 331L	Physical Chemistry Lab	1	2		CHEM 331 Physical Chemistry I (634) (C and above)		Chemistry	Biological Sciences	SEDS, SMG, SSH, SoM	
29	CHEM 341	Biochemistry I	3	6	CHEM 211 Organic Chemistry I (154) (C and above)			Chemistry	Biological Sciences	SEDS, SMG, SSH, SoM	
30	CHEM 341L	Biochemistry I Lab	1	2	CHEM 212L Organic Chemistry II Lab (444) (C and above)	CHEM 341 Biochemistry I (1058) (C and above)		Chemistry	Biological Sciences	SEDS, SMG, SSH, SoM	
31	CHEM 350	Advanced Inorganic Chemistry	3	6	CHEM 212 Organic Chemistry II (443) (C and above) AND CHEM 212L Organic Chemistry II Lab (444) (C and above) AND CHEM 250 Descriptive Inorganic Chemistry (445) (C and above)			Chemistry	Biological Sciences	SEDS, SMG, SSH, SoM	
32	CHEM 350L	Advanced Inorganic Chemistry Laboratory	1	2	CHEM 212 Organic Chemistry II (443) (C and above) AND CHEM 212L Organic Chemistry II Lab (444) (C and above) AND CHEM 250 Descriptive Inorganic Chemistry (445) (C and above)	CHEM 350 Advanced Inorganic Chemistry (1905) (C and above)		Chemistry	Biological Sciences	SEDS, SMG, SSH, SoM	
33	CHEM 400	Chemistry Seminar	3	6	CHEM 380 Research Methods (636) (C and above)			Chemistry	Biological Sciences	SEDS, SMG, SSH, SoM	
34	CHEM 410	Structural Spectroscopy	4	8	CHEM 212 Organic Chemistry II (443) (C and above)			Chemistry	Biological Sciences	SEDS, SMG, SSH, SoM	

35	CHEM 471	Environmental Chemistry	3	6	CHEM 102 General Chemistry II (232) (C and above)		Chemistry	Biological Sciences	SEDS, SMG, SSH, SoM	
Communication and Composition										
36	WCS 150	Rhetoric and Composition	3	6			SEDS, SMG, SSH, SoM			
37	WCS 200	Introduction to Public Speaking	3	6	WCS 150 Rhetoric and Composition (2183) (C- and above)		2 year UG SSH		2 year UG SEDS, 2 year UG SMG	
38	WCS 210	Technical and Professional Writing	3	6	WCS 150 Rhetoric and Composition (2183) (C- and above)		SEDS, SMG, SSH, SoM			
39	WCS 230	Say What you Mean: Clarity, Precision, and Style in Academic Writing	3	6	WCS 150 Rhetoric and Composition (2183) (C- and above)		SEDS, SMG, SSH, SoM			
40	WCS 240	Writing for Digital Media	3	6	WCS 150 Rhetoric and Composition (2183) (C- and above)		SEDS, SMG, SSH, SoM			
41	WCS 390	Writing Fellows I - Composition and Collaboration in Theory and Practice	3	6	WCS 150 Rhetoric and Composition (2183) (B and above) AND (WCS 210 Technical and Professional Writing (4881) (B+ and above) OR WCS 220 Science Writing (5686) (B+ and above) OR WCS 230 Say What you Mean: Clarity, Precision, and Style in Academic Writing (3026) (B+ and above) OR WCS 240 Writing for Digital Media (4421) (B+ and above) OR WCS 250 Advanced Rhetoric and Composition (3027) (B+ and above))		Instructor's Permission Required			
Communication and Composition, Languages, Literature and Linguistics										
42	WCS 260/WLL 235	Creative Writing: Introduction to Fiction Writing I	3	6	WCS 150 Rhetoric and Composition (2183) (C- and above)		SEDS, SMG, SSH, SoM			
Economics										
43	ECON 101	Introduction to Microeconomics	3	6			SEDS, SMG, SSH, SoM			
44	ECON 102	Introduction to Macroeconomics	3	6			SEDS, SMG, SSH, SoM			
45	ECON 201	Intermediate Microeconomics	3	6	ECON 101 Introduction to Microeconomics (379) (B- and above) AND (MATH 161 Calculus I (118) (B- and above) OR MATH 162 Calculus II (170) (B- and above))		Economics		SSH	

46	ECON 202	Intermediate Macroeconomics	3	6	ECON 102 Introduction to Macroeconomics (503) (B- and above) AND (MATH 161 Calculus I (118) (B- and above) OR MATH 162 Calculus II (170) (B- and above))			Economics		SSH	
47	ECON 211	Economic Statistics	3	6	ECON 101 Introduction to Microeconomics (379) (C and above) OR ECON 102 Introduction to Macroeconomics (503) (C and above)			Economics		SSH	
48	ECON 300	Research Assistance in Economics	1	2	ECON 101 Introduction to Microeconomics (379) (C- and above) AND ECON 102 Introduction to Macroeconomics (503) (C- and above)			Instructor permission required			
49	ECON 301	Econometrics I	3	6	ECON 211 Economic Statistics (2280) (C- and above) OR (MATH 321 Probability (482) (C- and above) AND (MATH 322 Mathematical Statistics (1165) (C- and above) OR MATH 310 Applied Statistical Methods (82) (C- and above)))			Economics		SSH	
50	ECON 317	East Asian Economic Development	3	6	ECON 201 Intermediate Microeconomics (133) (C- and above)			Economics		SSH	
51	ECON 322	Natural Resources and Environmental Economics	3	6	ECON 201 Intermediate Microeconomics (133) (C- and above)		ECON 331 Environmental Economics (1687) (C- and above)	Economics		SSH	
52	ECON 325	International Trade	3	6	ECON 201 Intermediate Microeconomics (133) (C- and above)			Economics		SSH	
53	ECON 326	The Economics of Financial Markets	3	6	ECON 201 Intermediate Microeconomics (133) (C- and above)			Economics		SSH	
54	ECON 399	Independent Study in Economics	3	6				Economics		SSH	
55	ECON 403	Introduction to Contract Theory and Auctions	3	6	ECON 201 Intermediate Microeconomics (133) (C- and above) AND ECON 301 Econometrics I (664) (C- and above)			Economics		SSH	

56	ECON 405	Behavioral and Experimental Economics	3	6	ECON 201 Intermediate Microeconomics (133) (C- and above) AND ECON 301 Econometrics I (664) (C- and above)			Economics		SSH	
57	ECON 413	Econometrics II Time Series	3	6	ECON 301 Econometrics I (664) (C- and above)			Economics		SSH	
58	ECON 417	Development Economics	3	6	ECON 301 Econometrics I (664) (C- and above)			Economics		SSH	
History, Philosophy and Religious Studies											
59	HST 100	History of Kazakhstan	3	6				4 year UG SEDS, 4 year UG SEDS (pending graduation), 4 year UG SSH, 4 year UG SSH (pending graduation)	1 year UG SEDS, 1 year UG SMG, 1 year UG SOM, 1 year UG SSH	SEDS, SMG, SSH, SoM	
60	HST 104	Central Asian History II (1700 - 1991)	3	6				History, Undeclared SSH	SEDS, SMG, SSH, SoM		
61	HST 105	Introduction to World Environmental History	3	6				History, Undeclared SSH	SEDS, SMG, SSH, SoM		
62	HST 124	Introduction to the History of Medicine	3	6				History, Undeclared SSH	SEDS, SMG, SSH, SoM		
63	HST 151	US History I (to 1877)	3	6				History, Undeclared SSH	SEDS, SMG, SSH, SoM		
64	HST 232	Russian History from Riurik to Catherine the Great	3	6				SSH	SEDS, SMG, SoM		
65	HST 235	Peter the Great (1682-1725): First Emperor of Russia and "Father of the Fatherland"	3	6				SSH	SEDS, SMG, SoM		

66	HST 335	European Nationalisms	3	6	HST 100 History of Kazakhstan (172) (C- and above) OR HST 103 Central Asian History I (to 1700) (197) (C- and above) OR HST 104 Central Asian History II (1700 - 1991) (1192) (C- and above) OR HST 121 World History I (to 1500) (1193) (C- and above) OR HST 122 World History II (from 1500) (1162) (C- and above) OR HST 131 European History I (to 1700) (201) (C- and above) OR HST 132 European History II (from 1700) (139) (C- and above) OR HST 151 US History I (to 1877) (668) (C- and above) OR HST 152 US History II (from 1877) (465) (C- and above) OR HST 172 Middle Eastern History II (from 1800) (1194) (C- and above) OR HST 182 East Asian History II (from 1500) (213) (C- and above) OR HST 199 Freshman Seminar (241) (C- and above)			SSH	SEDS, SMG, SoM		
67	HST 336	The Totalitarian Phenomenon	3	6	HST 100 History of Kazakhstan (172) (C- and above)			SSH	SEDS, SMG, SoM		
68	HST 420	The Russian Empire in Asia and its Neighbours 1552-1919	3	6	Subject "HST" BETWEEN 200 and 299 OR Subject "HST" BETWEEN 300 and 399			SSH	SEDS, SMG, SoM		
69	HST 498	Directed Reading	3	6				History			
70	PHIL 101	Introduction to Philosophy	3	6				SEDS, SMG, SSH, SoM			
71	PHIL 110	The Good Life in Practice	3	6				SEDS, SMG, SSH, SoM			
72	PHIL 124	Knowledge and Reality	3	6				SEDS, SMG, SSH, SoM			
73	PHIL 141	Critical Thinking	3	6				SEDS, SMG, SSH, SoM			

74	PHIL 210	Ethics	3	6				2 year UG SEDS Chemical Engineering, 2 year UG SEDS Chemical and Materials Engineering, 2 year UG SEDS Civil Engineering, 2 year UG SEDS Civil and Environmental Engineering, 2 year UG SEDS Electrical and Computer Engineering, 2 year UG SEDS Electrical and Electronic Engineering, 2 year UG SEDS Mechanical Engineering, 2 year UG SEDS Mechanical and Aerospace Engineering, 2 year UG SMG	SEDS, SMG, SSH, SoM		
75	PHIL 215	Bioethics	3	6				SEDS, SMG, SSH, SoM			
76	PHIL 223	Philosophy of Science	3	6				SEDS, SMG, SSH, SoM			
77	PHIL 240	Formal Logic	3	6				SEDS, SMG, SSH, SoM			
78	PHIL 320	Truth, Knowledge and Belief	3	6				SEDS, SMG, SSH, SoM			
79	PHIL 325	Truth, Lies, Media, and Propaganda	3	6				SEDS, SMG, SSH, SoM			
80	PHIL 352	Sex, Life, and Death: The Philosophy of Biology	3	6				SEDS, SMG, SSH, SoM			
History, Philosophy and Religious Studies, History, Philosophy and Religious Studies											
81	HST 261/REL 261	History of Islam (570s to 1258)	3	6	Subject "HST" BETWEEN 100 and 199 OR Subject "REL" BETWEEN 100 and 199			SSH	SEDS, SMG, SoM		
History, Philosophy and Religious Studies, Kazakh Language and Turkic Studies, Sociology and Anthropology											
82	ANT 375/HST 375/TUR 375	Inner Asian Frontiers of China: A Cultural Perspective	3	6				SEDS, SMG, SSH, SoM			
History, Philosophy and Religious Studies, Political Science and International Relations											
83	HST 312/PLS 333	Comparative Colonialism	3	6	Subject "HST" BETWEEN 100 and 199 OR Subject "WLL" BETWEEN 100 and 199 OR Subject "PLS" BETWEEN 100 and 199			SSH	SEDS, SMG, SoM		

History, Philosophy and Religious Studies, Sociology and Anthropology											
84	ANT 313/REL 332	Islam and Politics in Eurasia	3	6				Anthropology, Sociology	SSH	SEDS, SMG, SoM	
85	HST 223/ANT 287	Cannibalism and Civilization	3	6				SSH	SEDS, SMG, SoM		
Kazakh Language and Turkic Studies											
86	KAZ 201	Academic Kazakh I	3	6	KAZ 150 Basic Kazakh (1215) (C- and above) OR KLL "[B1.2] Intermediate"			SEDS, SMG, SSH, SoM			
87	KAZ 202	Academic Kazakh II	3	6	KAZ 201 Academic Kazakh I (4561) (C- and above) OR KLL "[B2.2] Upper-Interm."			SEDS, SMG, SSH, SoM			
88	KAZ 211	Academic Speaking in Kazakh	3	6	KAZ 202 Academic Kazakh II (4562) (C- and above) OR KLL "[C1.1] Advanced"		KAZ 212 Academic Writing in Kazakh (703) (C- and above)	SEDS, SMG, SSH, SoM			
89	KAZ 212	Academic Writing in Kazakh	3	6	KAZ 202 Academic Kazakh II (4562) (C- and above) OR KLL "[C1.1] Advanced"		KAZ 211 Academic Speaking in Kazakh (702) (C- and above)	SEDS, SMG, SSH, SoM			
90	KAZ 226	Kazakh for Medical School	3	6	KLL "[B1.2] Intermediate"			SEDS, SMG, SSH, SoM			
91	KAZ 313	Kazakh for Business	3	6	KAZ 202 Academic Kazakh II (4562) (C- and above) OR KLL "[C1.1] Advanced"			SEDS, SMG, SSH, SoM			
92	KAZ 349	Kazakh Mythology	3	6	KAZ 202 Academic Kazakh II (4562) (C- and above) OR KLL "[C1.1] Advanced"			SEDS, SMG, SSH, SoM			
93	KAZ 351	Kazakh Short Stories	3	6	KAZ 202 Academic Kazakh II (4562) (C- and above) OR KLL "[C1.1] Advanced"			SEDS, SMG, SSH, SoM			
94	KAZ 354	Kazakh Drama	3	6	KAZ 202 Academic Kazakh II (4562) (C- and above) OR KLL "[C1.1] Advanced"			SEDS, SMG, SSH, SoM			
95	KAZ 356	Kazakh Music History	3	6	KAZ 202 Academic Kazakh II (4562) (C- and above) OR KLL "[C1.1] Advanced"			SEDS, SMG, SSH, SoM			
96	KAZ 357	Literature of Alash	3	6	KAZ 202 Academic Kazakh II (4562) (C- and above) OR KLL "[C1.1] Advanced"			SEDS, SMG, SSH, SoM			
97	KAZ 362	Creative Writing in Kazakh Language	3	6	KAZ 202 Academic Kazakh II (4562) (C- and above) OR KLL "[C1.1] Advanced"			SEDS, SMG, SSH, SoM			

98	KAZ 363	Language and Globalization	3	6	KAZ 202 Academic Kazakh II (4562) (C- and above) OR KLL "[C1.1] Advanced"			SEDS, SMG, SSH, SoM			
99	KAZ 364	Kazakh for Civil Service	3	6	KAZ 202 Academic Kazakh II (4562) (C- and above) OR KLL "[C1.1] Advanced"			SEDS, SMG, SSH, SoM			
100	KAZ 366	Kazakh Language for Engineers	3	6	KAZ 202 Academic Kazakh II (4562) (C- and above) OR KLL "[C1.1] Advanced"			SEDS, SMG, SSH, SoM			
101	KAZ 368	Onomastics: History and Function of Names	3	6	KAZ 202 Academic Kazakh II (4562) (C- and above) OR KLL "[C1.1] Advanced"			SEDS, SMG, SSH, SoM			
102	KAZ 371	Contemporary Kazakh Literature	3	6	KAZ 202 Academic Kazakh II (4562) (C- and above) OR KLL "[C1.1] Advanced"			SEDS, SMG, SSH, SoM			
103	KAZ 372	Language and ethnicity	3	6	KAZ 202 Academic Kazakh II (4562) (C- and above) OR KLL "[C1.1] Advanced"			SEDS, SMG, SSH, SoM			
104	KAZ 373	Kazakh Terminology	3	6	KAZ 202 Academic Kazakh II (4562) (C- and above) OR KLL "[C1.1] Advanced"			SEDS, SMG, SSH, SoM			
105	KAZ 374	Kazakh Diplomacy	3	6	KAZ 202 Academic Kazakh II (4562) (C- and above) OR KLL "[C1.1] Advanced"			SEDS, SMG, SSH, SoM			
106	KAZ 375	Cultural Studies and Kazakh Culture	3	6	KAZ 202 Academic Kazakh II (4562) (C- and above) OR KLL "[C1.1] Advanced"			SEDS, SMG, SSH, SoM			
107	TUR 231	Istanbul in Literature and Culture	3	6				SEDS, SMG, SSH, SoM			
108	TUR 305	Introduction to Chagatay and Ottoman Turkish	3	6	KAZ 202 Academic Kazakh II (4562) (C- and above) OR KLL "[C1.1] Advanced"			SEDS, SMG, SSH, SoM			
Languages, Literature and Linguistics											
109	CHN 101	Beginning Mandarin I	4	8				SEDS, SMG, SSH, SoM			
110	CHN 102	Beginning Mandarin II	4	8	CHN 101 Beginning Mandarin I (1384) (C and above)			SEDS, SMG, SSH, SoM			
111	FRE 201	Intermediate French I	4	8	FRE 102 Beginning French II (454) (C- and above)			SEDS, SMG, SSH, SoM			
112	KOR 101	Beginning Korean I	4	8				SEDS, SMG, SSH, SoM			
113	KOR 201	Intermediate Korean I	4	8	KOR 102 Beginning Korean II (4791) (C- and above)			SEDS, SMG, SSH, SoM			
114	LING 131	Introduction to Linguistics	3	6				World Languages, Literatures and Cultures	Undeclared SSH	SSH	

115	LING 140	Language Variation and Change: the Story of English	3	6				World Languages, Literatures and Cultures	Undeclared SSH	SSH	
116	LING 272	Language and the Mind	3	6				SSH	SEDS, SMG, SoM		
117	LING 275	Second Language Acquisition Theory and Research I	3	6				SSH	SEDS, SMG, SoM		
118	LING 278	Sounds of the World's Languages	3	6				SSH	SEDS, SMG, SoM		
119	LING 472	Language Ideologies	3	6	LING 131 Introduction to Linguistics (1394) (C- and above)			SSH	SEDS, SMG, SoM		
120	PER 201	Intermediate Persian 1	4	8	PER 102 Beginning Persian II (4790) (C- and above)			SEDS, SMG, SSH, SoM			
121	RFL 403	Advanced and Superior Composition and Conversation Russian	4	8				Instructor's permission required.			
122	SPA 101	Beginning Spanish I	4	8				World Languages, Literatures and Cultures	Undeclared SSH	SSH	
123	SPA 201	Intermediate Spanish I	4	8	SPA 102 Beginning Spanish II (1128) (C- and above)			SEDS, SMG, SSH, SoM			
124	SPA 314	Advanced Spanish Grammar and Composition	3	6	SPA 202 Intermediate Spanish II (1842) (C- and above)			SEDS, SMG, SSH, SoM			
125	WLL 110	Introduction to Literary Studies	3	6				World Languages, Literatures and Cultures	Undeclared SSH	SSH	
126	WLL 121	Introduction to Cultural Studies	3	6				World Languages, Literatures and Cultures	Undeclared SSH	SSH	
127	WLL 201	World Literature I	3	6				World Languages, Literatures and Cultures	Undeclared SSH	SSH	
128	WLL 212	Introduction to Poetry	3	6				World Languages, Literatures and Cultures	Undeclared SSH	SSH	
129	WLL 244	Survey of Nineteenth-Century Russian Literature	3	6				World Languages, Literatures and Cultures	Undeclared SSH	SSH	
130	WLL 450	Laughter	3	6				World Languages, Literatures and Cultures	Undeclared SSH	SSH	
131	WLL 498	Languages, Linguistics, and Literatures Capstone I	3	6				4 year UG SSH World Languages, Literatures and Cultures			

Languages, Literature and Linguistics, Languages, Literature and Linguistics

132	SPA 351/WLL 351	Literature and Film of the Postcolonial World	3	6	Subject "WLL" BETWEEN 200 and 299			SEDS, SMG, SSH, SoM			
133	WLL 361/FRE 361	Topics in French and Francophone film	3	6	FRE 101 Beginning French I (246) (C- and above) OR FRE 102 Beginning French II (454) (C- and above) OR FRE 201 Intermediate French I (667) (C- and above) OR FRE 202 Intermediate French II (1122) (C- and above)			SEDS, SMG, SSH, SoM			
Languages, Literature and Linguistics, Sociology and Anthropology											
134	ANT 385/WLL 385	Postcolonial Theory and its Applications in Eurasia	3	6	ANT 110 Introduction to Sociocultural Anthropology (501) (C- and above) OR SOC 101 Introduction to Sociology (508) (C- and above) OR WLL 121 Introduction to Cultural Studies (243) (C- and above) OR WLL 102 /PHIL 102 Language, Experience, Culture (2481) (C- and above)			Anthropology, Sociology, World Languages, Literatures and Cultures	SSH		SEDS, SMG, SoM
135	WLL 171/ANT 175	Introduction to Linguistic Anthropology	3	6			ANT 277/WLL 271 Language and Society (1027) (C- and above)	Anthropology, Sociology, World Languages, Literatures and Cultures	Undeclared SSH	SSH	
Mathematics											
136	MATH 109	Mathematical Discovery	3	6			MATH 161 Calculus I (118) (C- and above)	Anthropology, History, Political Science and International Relations, Sociology, Undeclared SSH, World Languages, Literatures and Cultures			
137	MATH 161	Calculus I	4	8				1 year UG SEDS, 1 year UG SMG, 1 year UG SSH Mathematics, 1 year UG SSH Physics	Biological Sciences, Chemistry, Mathematics, Physics, SEDS, SMG	SSH, SoM	
138	MATH 162	Calculus II	4	8	MATH 161 Calculus I (118) (C and above)			2 year UG SEDS, 2 year UG SMG, 2 year UG SSH Chemistry, 2 year UG SSH Mathematics, 2 year UG SSH Physics	SEDS, SMG, SSH, SoM		
139	MATH 251	Discrete Mathematics	3	6	MATH 161 Calculus I (118) (C and above)			Mathematics	Computer Science	SEDS, SMG, SSH, SoM	

140	MATH 263	Calculus III	4	8	MATH 162 Calculus II (170) (C and above)			Mathematics	Physics, SEDS	SMG, SSH, SoM	
141	MATH 273	Linear Algebra with Applications	4	8	MATH 161 Calculus I (118) (C and above)	MATH 162 Calculus II (170) (C and above)		2 year UG SSH Physics, Mathematics	Computer Science, Robotics and Mechatronics	SEDS, SMG, SSH, SoM	
142	MATH 274	Introduction to Differential Equations	3	6	MATH 162 Calculus II (170) (C and above)			Mathematics	SEDS, SMG, SSH, SoM		
143	MATH 310	Applied Statistical Methods	3	6	MATH 161 Calculus I (118) (C and above)		MATH 321 Probability (482) (C and above)	Biological Sciences, Computer Science	Mathematics	SEDS, SMG, SSH, SoM	
144	MATH 321	Probability	3	6	MATH 162 Calculus II (170) (C and above)		ECON 211 Economic Statistics (2280) (C- and above) OR PLS 211 Quantitative Methods (221) (C- and above)	Computer Science, Mathematics		SEDS, SMG, SSH, SoM	
145	MATH 323	Actuarial Mathematics I	3	6	MATH 321 Probability (482) (C and above) OR ECON 211 Economic Statistics (2280) (C and above) OR (MATH 162 Calculus II (170) (C and above) AND MATH 310 Applied Statistical Methods (82) (C and above))			Mathematics		SEDS, SMG, SSH, SoM	
146	MATH 351	Numerical Methods with Applications	3	6	MATH 274 Introduction to Differential Equations (484) (C and above) AND MATH 263 Calculus III (81) (C and above)		ENG 202 Numerical Methods in Engineering (5506) (C and above)	Mathematics		SEDS, SMG, SSH, SoM	
147	MATH 361	Real Analysis I	3	6	MATH 263 Calculus III (81) (C and above) AND MATH 251 Discrete Mathematics (85) (C and above)			Mathematics		SEDS, SMG, SSH, SoM	
148	MATH 425	Stochastic Processes	3	6	MATH 321 Probability (482) (C and above) OR ECON 211 Economic Statistics (2280) (C and above)			Mathematics		SEDS, SMG, SSH, SoM	

149	MATH 440	Regression Analysis	3	6	MATH 322 Mathematical Statistics (1165) (C and above)		SOC 203 Quantitative Methods in Sociology (1377) (C and above) OR PLS 211 Quantitative Methods (221) (C and above)	Mathematics	SEDS, SMG, SSH, SoM		
150	MATH 471	Nonlinear Differential Equations	3	6	MATH 273 Linear Algebra with Applications (84) (C and above) AND MATH 274 Introduction to Differential Equations (484) (C and above)			Mathematics	SEDS, SMG, SSH, SoM		
151	MATH 480	Complex Analysis	3	6	MATH 263 Calculus III (81) (C and above)			Mathematics	SEDS, SMG, SSH, SoM		
152	MATH 481	Partial Differential Equations	3	6	MATH 274 Introduction to Differential Equations (484) (C and above)	MATH 480 Complex Analysis (618) (C and above)		Mathematics	SEDS, SMG, SSH, SoM		
153	MATH 497	Directed Study in Mathematics I	3	6				Instructor's Permission Required			
Physics											
154	PHYS 161	Physics I for Scientists and Engineers with Laboratory	4	8		MATH 161 Calculus I (118) (C and above)	PHYS 171 Physics I for Physics Majors with Laboratory (1401) (C- and above)	1 year UG SEDS, 1 year UG SMG, 1 year UG SSH Mathematics, 1 year UG SSH Physics, 2 year UG SSH Chemistry	Biological Sciences, Chemistry, Mathematics, Physics, SEDS, SMG	SSH, SoM	
155	PHYS 201	Introductory Astronomy I	3	6				SEDS, SMG, SSH, SoM			
156	PHYS 221	Classical Mechanics I	3	6	(PHYS 162 Physics II for Scientists and Engineers with Laboratory (173) (C- and above) OR PHYS 172 Physics II for Physics Majors with Laboratory (1402) (C- and above)) AND MATH 273 Linear Algebra with Applications (84) (C- and above)			Physics	SEDS, SMG, SSH, SoM		

157	PHYS 261	Modern Physics with laboratory	4	8	MATH 162 Calculus II (170) (C- and above) AND (PHYS 152 Introductory Physics II with Lab (1176) (C- and above) OR PHYS 162 Physics II for Scientists and Engineers with Laboratory (173) (C- and above) OR PHYS 172 Physics II for Physics Majors with Laboratory (1402) (C- and above))		Physics	SEDS, SMG, SSH, SoM		
158	PHYS 315	Mathematical Methods of Physics	3	6	(PHYS 172 Physics II for Physics Majors with Laboratory (1402) (C- and above) OR PHYS 162 Physics II for Scientists and Engineers with Laboratory (173) (C- and above)) AND MATH 274 Introduction to Differential Equations (484) (C- and above)		Physics	SEDS, SMG, SSH, SoM		
159	PHYS 361	Classical Electrodynamics I	3	6		PHYS 315 Mathematical Methods of Physics (653) (D and above) OR PHYS 411 Advanced Mathematical Physics (3142) (D and above)	Physics	SEDS, SMG, SSH, SoM		
160	PHYS 452	Quantum Mechanics II	3	6	PHYS 451 Quantum Mechanics I (1415) (C- and above)		Physics	SEDS, SMG, SSH, SoM		
161	PHYS 465	Advanced Experimental Physics	3	6	PHYS 370 Optics with Laboratory (1405) (C- and above)		Physics	SEDS, SMG, SSH, SoM		
162	PHYS 473	Introduction to Solid State Physics	4	8	PHYS 261 Modern Physics with laboratory (125) (C- and above) OR CHEM 331 Physical Chemistry I (634) (C- and above) OR MAE 301 Engineering Thermodynamics (5927) (C- and above) OR CHME 201 Chemical Engineering Thermodynamics (5007) (C- and above) OR ELCE 204 Solid State Devices (5508) (C- and above)		Physics	SEDS, SMG, SSH, SoM		
Political Science and International Relations										
163	PLS 100	Introduction to the Politics of Central Asia	3	6			SSH	SEDS, SMG, SoM		

164	PLS 101	Introduction to Political Science	3	6				SEDS, SMG	Biological Sciences, Chemistry, Mathematics, Physics	SSH	
165	PLS 120	Introduction to Political Theory	3	6				Political Science and International Relations	Undeclared SSH	SEDS, SMG, SSH, SoM	
166	PLS 140	Introduction to Comparative Politics	3	6				Political Science and International Relations	Undeclared SSH	SEDS, SMG, SSH, SoM	
167	PLS 150	Introduction to International Relations	3	6				Political Science and International Relations	Undeclared SSH	SEDS, SMG, SSH, SoM	
168	PLS 210	Political Science Research Methods	3	6				Political Science and International Relations	SEDS, SMG, SSH, SoM		
169	PLS 211	Quantitative Methods	3	6			ECON 211 Economic Statistics (2280) (C- and above)	Political Science and International Relations	SEDS, SMG, SSH, SoM		
170	PLS 315	Political Game Theory	3	6	PLS 211 Quantitative Methods (221) (C- and above) OR ECON 101 Introduction to Microeconomics (379) (C and above)			Political Science and International Relations	SEDS, SMG, SSH, SoM		
171	PLS 326	Modern Political Theory	3	6	PLS 120 Introduction to Political Theory (512) (C- and above)			Political Science and International Relations	SEDS, SMG, SSH, SoM		
172	PLS 329	Anarchy	3	6	PLS 120 Introduction to Political Theory (512) (C- and above)			Political Science and International Relations	SEDS, SMG, SSH, SoM		
173	PLS 338	U.S. Government and Politics	3	6	(PLS 140 Introduction to Comparative Politics (223) (C- and above) OR PLS 101 Introduction to Political Science (513) (C- and above)) AND PLS 210 Political Science Research Methods (129) (C- and above)			Political Science and International Relations	SEDS, SMG, SSH, SoM		
174	PLS 341	Politics of Development	3	6	PLS 210 Political Science Research Methods (129) (C- and above)			Political Science and International Relations	SEDS, SMG, SSH, SoM		
175	PLS 342	Political Corruption	3	6	PLS 210 Political Science Research Methods (129) (C- and above)			Political Science and International Relations	SEDS, SMG, SSH, SoM		
176	PLS 361	Memory Politics in East Asia	3	6				SSH	SEDS, SMG, SoM		

177	PLS 365	Civil-Military Relations	3	6	PLS 211 Quantitative Methods (221) (C- and above) AND PLS 210 Political Science Research Methods (129) (C- and above)			Political Science and International Relations	SEDS, SMG, SSH, SoM		
178	PLS 370	Law, Politics and Society	3	6	PLS 210 Political Science Research Methods (129) (C- and above)			Political Science and International Relations	SEDS, SMG, SSH, SoM		
179	PLS 431	Politics and Governance of the Russian Federation	3	6	PLS 210 Political Science Research Methods (129) (C- and above)			Political Science and International Relations	SEDS, SMG, SSH, SoM		
180	PLS 446	The Politics of Immigration Control	3	6	PLS 140 Introduction to Comparative Politics (223) (C- and above) AND PLS 210 Political Science Research Methods (129) (C- and above)			Political Science and International Relations	SEDS, SMG, SSH, SoM		
181	PLS 448	Comparative Electoral System	3	6	PLS 140 Introduction to Comparative Politics (223) (C- and above)			Political Science and International Relations	SEDS, SMG, SSH, SoM		
182	PLS 455	The Politics of Arms in International Relations	3	6	PLS 150 Introduction to International Relations (511) (C- and above) AND PLS 210 Political Science Research Methods (129) (C- and above) AND PLS 211 Quantitative Methods (221) (C- and above)			Political Science and International Relations	SEDS, SMG, SSH, SoM		
183	PLS 465	Politics of International Finance	3	6	PLS 150 Introduction to International Relations (511) (C- and above) AND PLS 210 Political Science Research Methods (129) (C- and above)			Political Science and International Relations	SEDS, SMG, SSH, SoM		
SSH											
184	SSH 300	School of Sciences and Humanities Internship	3	6				Instructor permission required			
185	SSH 301	School of Sciences and Humanities Internship: Second Experience	3	6				Instructor's permission only			
Sociology and Anthropology											
186	ANT 110	Introduction to Sociocultural Anthropology	3	6				Anthropology, Sociology, Undeclared SSH	2 year UG SSH	SEDS, SMG, SSH, SoM	

187	ANT 140	World Prehistory	3	6				Anthropology, Sociology, Undeclared SSH	2 year UG SSH, 4 year UG SEDS Computer Science, 4 year UG SEDS Robotics and Mechatronics, 4 year UG SSH Biological Sciences, 4 year UG SSH Chemistry, 4 year UG SSH Mathematics, 4 year UG SSH Physics	SEDS, SMG, SSH, SoM	
188	ANT 233	Cavemen, Mammoths, and Sabertooths: Stone Age Archaeology in Eurasia	3	6				Anthropology, Sociology, Undeclared SSH	2 year UG SSH	SEDS, SMG, SSH, SoM	
189	ANT 361	Human Evolution: Bones, Stones and Genomes	3	6				Anthropology, Biological Sciences, Sociology	SSH	SEDS, SMG, SoM	
190	ANT 382	Anthropology of Global Health: The Global in the Local	3	6				Anthropology, Sociology	SSH	SEDS, SMG, SoM	
191	ANT 400	Research Assistance in Anthropology	1	2							
192	ANT 401	Research Assistance in Anthropology	1	2							
193	ANT 498	Capstone Seminar I	3	6				4 year UG SSH Anthropology			
194	SOC 101	Introduction to Sociology	3	6				Anthropology, Sociology, Undeclared SSH	2 year UG SSH, 3 year UG SSH Biological Sciences	SEDS, SMG, SSH, SoM	
195	SOC 115	Global Social Problems	3	6				Anthropology, Sociology, Undeclared SSH	2 year UG SSH	SEDS, SMG, SSH, SoM	
196	SOC 201	Social Science Research Methods	3	6				Anthropology, Sociology	SSH	SEDS, SMG, SoM	
197	SOC 210	Gender and Society	3	6				Anthropology, Sociology	SSH	SEDS, SMG, SoM	
198	SOC 213	Work and Society	3	6				Anthropology, Sociology	SSH	SEDS, SMG, SoM	
199	SOC 215	Sociology of Race and Ethnicity	3	6				Anthropology, Sociology	SSH	SEDS, SMG, SoM	
200	SOC 221	International Migration	3	6				Anthropology, Sociology	SSH	SEDS, SMG, SoM	

201	SOC 301	Classical Sociological Theory	3	6	SOC 101 Introduction to Sociology (508) (C- and above) OR SOC 115 Global Social Problems (1032) (C- and above) OR ANT 110 Introduction to Sociocultural Anthropology (501) (C- and above)		Anthropology, Sociology	SSH	SEDS, SMG, SoM	
202	SOC 310	Social Inequality	3	6	SOC 101 Introduction to Sociology (508) (C- and above) OR SOC 115 Global Social Problems (1032) (C- and above)		Anthropology, Sociology	SSH	SEDS, SMG, SoM	
203	SOC 322	Digital Media Research Methods	3	6	SOC 201 Social Science Research Methods (1341) (C- and above) OR SOC 203 Quantitative Methods in Sociology (1377) (C- and above) OR ECON 211 Economic Statistics (2280) (C- and above) OR PLS 210 Political Science Research Methods (129) (C- and above)		Anthropology, Sociology	SSH	SEDS, SMG, SoM	
204	SOC 401	Research Assistance in Sociology	1	2			Instructor's permission required			
205	SOC 403	Research Assistance in Sociology	2	4			Instructor's permission required			
206	SOC 498	Capstone Seminar Part I	3	6			4 year UG SSH Sociology			
Sociology and Anthropology, Sociology and Anthropology										
207	ANT 216/SOC 216	Marriage and Kinship	3	6			Anthropology, Sociology	2 year UG SSH	SEDS, SMG, SSH, SoM	