

Course Requirements and Registration Priorities
School of Sciences and Humanities (Undergraduate), Fall 2023

#	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)	5 year UG SSH, 5 year UG SSH (pending graduation), Anthropology, Economics, History, Nursing, Political Science and International Relations, Sociology, Undeclared SSH, World Languages, Literatures and Cultures			
2	BIOL 105	General Biology	3	6				5 year UG SEDS, 5 year UG SSH, Biological Sciences	Chemistry, Mathematics, Physics	SEDS, SMG, SSH, SoM	
3	BIOL 110	Modern Biology I	3	6				1 year UG SOM Medical Sciences, 2 year UG SSH Biological Sciences, 5 year UG SEDS, 5 year UG SSH	2 year UG SSH Undeclared, Chemistry, Computer Science, Electrical and Computer Engineering, Mathematics, Physics, Robotics and Mechatronics	SEDS, SMG, SSH, SoM	
4	BIOL 110L	Modern Biology I Laboratory	1	2		BIOL 110 Modern Biology I (1070) (C and above)		1 year UG SOM Medical Sciences, 2 year UG SSH Biological Sciences, 5 year UG SEDS, 5 year UG SSH	2 year UG SSH Undeclared, Chemistry, Computer Science, Electrical and Computer Engineering, Mathematics, Physics, Robotics and Mechatronics	SEDS, SMG, SSH, SoM	
5	BIOL 120	Modern Biology II	3	6	BIOL 110 Modern Biology I (1070) (C and above)			2 year UG SOM Medical Sciences, 5 year UG SEDS, 5 year UG SSH, Biological Sciences, Undeclared SSH	Chemistry, Mathematics, Physics	SEDS, SMG, SSH, SoM	
6	BIOL 120L	Modern Biology II Laboratory	1	2	BIOL 110 Modern Biology I (1070) (C and above) OR BIOL 110L Modern Biology I Laboratory (5448) (C and above)	BIOL 120 Modern Biology II (1195) (C and above)		2 year UG SOM Medical Sciences, 5 year UG SEDS, 5 year UG SSH, Biological Sciences, Undeclared SSH	Chemistry, Mathematics, Physics	SEDS, SMG, SSH, SoM	
7	BIOL 301	Molecular Cell Biology	3	6	BIOL 120 Modern Biology II (1195) (C and above)			2 year UG SOM Medical Sciences, 3 year UG SSH Biological Sciences, 4 year UG SSH Biological Sciences, 5 year UG SEDS, 5 year UG SSH	Biological Sciences	SEDS, SMG, SSH, SoM	

8	BIOL 301L	Molecular Cell Biology Laboratory	1	2	BIOL 120 Modern Biology II (1195) (C and above) OR BIOL 120L Modern Biology II Laboratory (5443) (C and above)	BIOL 301 Molecular Cell Biology (5809) (C and above)		2 year UG SOM Medical Sciences, 4 year UG SSH Biological Sciences, 5 year UG SEDS, 5 year UG SSH	Biological Sciences	SEDS, SMG, SSH, SoM	
9	BIOL 305	Introduction to Microbiology	3	6	(BIOL 120 Modern Biology II (1195) (C and above) AND BIOL 120L Modern Biology II Laboratory (5443) (C and above)) OR BIOL 120 Modern Biology II (1195) (C and above)			2 year UG SOM Medical Sciences, 3 year UG SSH Biological Sciences, 4 year UG SSH Biological Sciences, 5 year UG SEDS, 5 year UG SSH	Chemistry, Mathematics, Physics	SEDS, SMG, SSH, SoM	
10	BIOL 305L	Introduction to Microbiology Laboratory	1	2	BIOL 120 Modern Biology II (1195) (C and above) OR BIOL 120L Modern Biology II Laboratory (5443) (C and above)	BIOL 305 Introduction to Microbiology (5789) (C and above)		2 year UG SOM Medical Sciences, 3 year UG SSH Biological Sciences, 4 year UG SSH Biological Sciences, 5 year UG SEDS, 5 year UG SSH	Chemistry, Mathematics, Physics	SEDS, SMG, SSH, SoM	
11	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)			2 year UG SOM Medical Sciences, 4 year UG SSH Biological Sciences, 5 year UG SEDS, 5 year UG SSH	3 year UG SSH Biological Sciences, Chemistry, Mathematics, Physics	SEDS, SMG, SSH, SoM	
12	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)			2 year UG SOM Medical Sciences, 5 year UG SEDS, 5 year UG SSH, Biological Sciences	Chemistry, Mathematics, Physics	SEDS, SMG, SSH, SoM	
13	BIOL 321	Bioethics	3	6	BIOL 120 Modern Biology II (1195) (C and above)			4 year UG SSH Biological Sciences, 5 year UG SEDS, 5 year UG SEDS (pending graduation), 5 year UG SSH, 5 year UG SSH (pending graduation)	Biological Sciences	SEDS, SMG, SSH, SoM	
14	BIOL 331	Human Anatomy and Physiology II	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)			2 year UG SOM Medical Sciences, 5 year UG SEDS, 5 year UG SSH, Biological Sciences	Chemistry, Mathematics, Physics	SEDS, SMG, SSH, SoM	
15	BIOL 341	Biochemistry I	3	6	CHEM 211 Organic Chemistry I (154) (C and above)			2 year UG SOM Medical Sciences, 5 year UG SEDS, 5 year UG SSH, Biological Sciences	Chemistry, Mathematics, Physics	SEDS, SMG, SSH, SoM	
16	BIOL 355	Critical Research Reasoning	3	6	BIOL 120 Modern Biology II (1195) (C and above)			3 year UG SSH Biological Sciences, 4 year UG SSH Biological Sciences, 5 year UG SEDS, 5 year UG SEDS (pending graduation), 5 year UG SSH, 5 year UG SSH (pending graduation)	3 year UG SOM Medical Sciences, Biological Sciences	SEDS, SMG, SSH, SoM	
17	BIOL 370	Genetics	3	6	BIOL 120 Modern Biology II (1195) (C and above)			2 year UG SOM Medical Sciences, 3 year UG SSH Biological Sciences, 4 year UG SSH Biological Sciences, 5 year UG SEDS, 5 year UG SSH	Biological Sciences	SEDS, SMG, SSH, SoM	
18	BIOL 380	Biology of Behavior	3	6	BIOL 120 Modern Biology II (1195) (C and above)			2 year UG SOM Medical Sciences, 3 year UG SSH Biological Sciences, 4 year UG SSH Biological Sciences, 5 year UG SEDS, 5 year UG SSH	Biological Sciences, Chemistry, Mathematics, Physics	SEDS, SMG, SSH, SoM	

19	BIOL 385	Cell signaling: principles and mechanisms	3	6	BIOL 120 Modern Biology II (1195) (C and above)			2 year UG SOM Medical Sciences, 5 year UG SEDS, 5 year UG SSH, Biological Sciences	Chemistry, Mathematics, Physics	SEDS, SMG, SSH, SoM	
20	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)			3 year UG SSH Biological Sciences, 4 year UG SSH Biological Sciences, 5 year UG SEDS, 5 year UG SSH	Biological Sciences	SEDS, SMG, SSH, SoM	
21	BIOL 456	Biology Research Design	3	6		BIOL 355 Critical Research Reasoning (1000) (C and above)		4 year UG SSH Biological Sciences, 5 year UG SEDS, 5 year UG SSH	Biological Sciences, Chemistry, Computer Science, Mathematics, Physics, Robotics and Mechatronics	SEDS, SMG, SSH, SoM	
22	BIOL 460	Human Parasitology	3	6	BIOL 305 Introduction to Microbiology with Lab (1642) (C and above) OR BIOL 305 Introduction to Microbiology (5789) (C and above)			2 year UG SOM Medical Sciences, 5 year UG SEDS, 5 year UG SSH, Biological Sciences	Chemistry, Mathematics, Physics	SEDS, SMG, SSH, SoM	
23	BIOL 490	Honors Thesis Research	0	0	BIOL 355 Critical Research Reasoning (1000) (B and above)			Instructor's Permission Required. Registration through Add Course form only!			
Chemistry											
24	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			
25	CHEM 091	Survey of Physical Science	3	6				Anthropology, Economics, History, Nursing, Political Science and International Relations, Sociology, Undeclared SEDS, Undeclared SMG, Undeclared SSH, World Languages, Literatures and Cultures			
26	CHEM 101	General Chemistry I	3	6				2 year UG SMG, 2 year UG SSH Biological Sciences, 2 year UG SSH Chemistry, SEDS, SMG, SSH, SoM	1 year UG SMG, 1 year UG SSH Biological Sciences, 1 year UG SSH Chemistry		
27	CHEM 101L	General Chemistry I lab	1	2		CHEM 101 General Chemistry I (113) (C and above)		2 year UG SMG, 2 year UG SSH Biological Sciences, 2 year UG SSH Chemistry, SEDS, SMG, SSH, SoM	1 year UG SMG, 1 year UG SSH Biological Sciences, 1 year UG SSH Chemistry		

28	CHEM 211	Organic Chemistry I	3	6	CHEM 102 General Chemistry II (232) (C and above)			5 year UG SEDS, 5 year UG SEDS (pending graduation), 5 year UG SSH, 5 year UG SSH (pending graduation), Biological Sciences, Chemistry, SoM	SEDS, SMG, SSH		
29	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)		2 year UG SSH, 3 year UG SSH, 4 year UG SSH, 4 year UG SSH (pending graduation), 5 year UG SSH, 5 year UG SSH (pending graduation), Chemistry	SEDS, SMG, SSH, SoM		
30	CHEM 212	Organic Chemistry II	3	6	CHEM 211 Organic Chemistry I (154) (C and above) OR CHEM 191 Chemistry I for Engineers (1908) (C and above)			2 year UG SSH, 3 year UG SSH, 4 year UG SSH, Chemistry	SEDS, SMG, SSH, SoM		
31	CHEM 212L	Organic Chemistry II Lab	1	2	CHEM 211L Organic Chemistry I Lab (156) (C and above)	CHEM 212 Organic Chemistry II (443) (C and above) OR CHEM 292 Organic Chemistry for Biologists II (1901) (C and above)		2 year UG SSH, 3 year UG SSH, 4 year UG SSH, Chemistry	SEDS, SMG, SSH, SoM		
32	CHEM 220	Quantitative Chemical Analysis	3	6	CHEM 102 General Chemistry II (232) (C and above)			5 year UG SEDS, 5 year UG SSH, Chemistry	Biological Sciences	SEDS, SMG, SSH, SoM	
33	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)		5 year UG SEDS, 5 year UG SSH, Chemistry	Biological Sciences	SEDS, SMG, SSH, SoM	
34	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)			5 year UG SEDS, 5 year UG SSH, Chemistry	Biological Sciences	SEDS, SMG, SSH, SoM	
35	CHEM 331L	Physical Chemistry Lab	1	2		CHEM 331 Physical Chemistry I (634) (C and above)		5 year UG SEDS, 5 year UG SSH, Chemistry	Biological Sciences	SEDS, SMG, SSH, SoM	
36	CHEM 341	Biochemistry I	3	6	CHEM 211 Organic Chemistry I (154) (C and above)			5 year UG SEDS, 5 year UG SSH, Chemistry	Biological Sciences	SEDS, SMG, SSH, SoM	
37	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)		5 year UG SEDS, 5 year UG SSH, Chemistry	Biological Sciences	SEDS, SMG, SSH, SoM	
38	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)			4 year UG SSH, Chemistry	Biological Sciences	SEDS, SMG, SSH, SoM	

39	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)		5 year UG SEDS, 5 year UG SSH, Chemistry	Biological Sciences	SEDS, SMG, SSH, SoM	
40	CHEM 400	Chemistry Seminar	3	6	CHEM 380 Research Methods (636) (C and above)			5 year UG SEDS, 5 year UG SSH, Chemistry	Biological Sciences	SEDS, SMG, SSH, SoM	
41	CHEM 410	Structural Spectroscopy	4	8	CHEM 212 Organic Chemistry II (443) (C and above)			5 year UG SEDS, 5 year UG SSH, Chemistry	Biological Sciences	SEDS, SMG, SSH, SoM	
42	CHEM 471	Environmental Chemistry	3	6	CHEM 102 General Chemistry II (232) (C and above)			5 year UG SEDS, 5 year UG SSH, Chemistry	Biological Sciences	SEDS, SMG, SSH, SoM	
Communication and Composition											
43	WCS 150	Rhetoric and Composition	3	6				1 year UG SEDS, 1 year UG SMG, 1 year UG SOM, 1 year UG SSH, 2 year UG SOM, 2 year UG SSH Biological Sciences, 3 year UG SOM, 4 year UG SEDS, 4 year UG SMG, 4 year UG SOM, 4 year UG SSH, 5 year UG SEDS, 5 year UG SSH	SEDS, SMG, SSH, SoM		
44	WCS 200	Introduction to Public Speaking	3	6	WCS 150 Rhetoric and Composition (2183) (C- and above)			2 year UG SSH, SoM	SEDS, SMG, SSH		
45	WCS 210	Technical and Professional Writing	3	6	WCS 150 Rhetoric and Composition (2183) (C- and above)			SEDS, SMG	SSH, SoM		
46	WCS 230	Say What you Mean: Clarity, Precision, and Style in Academic Writing	3	6	WCS 150 Rhetoric and Composition (2183) (C- and above)			2 year UG SEDS, 2 year UG SSH, SoM	SEDS	SMG, SSH	
47	WCS 240	Writing for Digital Media	3	6	WCS 150 Rhetoric and Composition (2183) (C- and above)			2 year UG SEDS, 2 year UG SSH, SoM	SEDS	SMG, SSH	
48	WCS 250	Advanced Rhetoric and Composition	3	6	WCS 150 Rhetoric and Composition (2183) (C- and above)			2 year UG SEDS, 2 year UG SSH, 4 year UG SEDS, 4 year UG SSH, 5 year UG SEDS, 5 year UG SSH, SoM	SEDS	SMG, SSH	
49	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))			3 year UG SEDS, 3 year UG SMG, 3 year UG SOM, 3 year UG SSH	SEDS, SMG, SSH, SoM		
50	WCS 391	Writing Fellows II - Practicum in Composition & Collaboration	3	6	WCS 390 Writing Fellows I - Composition and Collaboration in Theory and Practice (1969) (B and above)			SEDS, SMG, SSH, SoM			
51	WCS 392	Writing Fellows III - Research & Practice in Writing & Peer Mentorship	3	6	WCS 391 Writing Fellows II - Practicum in Composition & Collaboration (3425) (B and above)			SEDS, SMG, SSH, SoM			

52	WCS 393	Internship: Undergraduate Writing Tutor I	3	6	WCS 392 Writing Fellows III - Research & Practice in Writing & Peer Mentorship (4472) (B and above)			SEDS, SMG, SSH, SoM			
Communication and Composition, Languages, Literature and Linguistics											
53	WCS 260/WLL 235	Creative Writing: Introduction to Fiction Writing I	3	6	WCS 150 Rhetoric and Composition (2183) (C- and above)			2 year UG SSH Anthropology, 2 year UG SSH Economics, 2 year UG SSH History and Culture, 2 year UG SSH Political Sciences and International Relations, 2 year UG SSH Sociology, 2 year UG SSH World Languages, Literatures and Cultures	World Languages, Literatures and Cultures	SEDS, SMG, SSH, SoM	
54	WCS 469/WLL 469	Independent Study in Creative Writing	3	6				Instructor's Permission Required. Registration through Add Course form only!			
55	WLL 462/WCS 462	Creative Nonfiction	3	6	WCS 260/WLL 235 Creative Writing: Introduction to Fiction Writing I (4000) (C and above)			World Languages, Literatures and Cultures	SSH	SEDS, SMG, SoM	
56	WLL 465/WCS 465	Creative Writing: Autofiction	3	6	WCS 260/WLL 235 Creative Writing: Introduction to Fiction Writing I (4000) (C- and above)			Instructor's Permission Required. Registration through Add Course form only!			
Economics											
57	ECON 101	Introduction to Microeconomics	3	6				5 year UG SSH, Undeclared SSH	SSH	SEDS, SMG, SoM	
58	ECON 102	Introduction to Macroeconomics	3	6				5 year UG SSH, Undeclared SSH	SSH	SEDS, SMG, SoM	
59	ECON 120	Managerial Economics	3	6				SEDS	SMG, SSH, SoM		
60	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	2 year UG SSH Undeclared	SSH	
61	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	2 year UG SSH Undeclared	SSH	
62	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	2 year UG SSH Undeclared	SSH	
63	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's Permission Required. Registration through Add Course form only!			
64	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		

65	ECON 325	International Trade	3	6	ECON 201 Intermediate Microeconomics (133) (C- and above)			3 year UG SSH Economics, 5 year UG SSH, 6 year UG SSH	4 year UG SSH Economics	SSH	
66	ECON 326	The Economics of Financial Markets	3	6	ECON 201 Intermediate Microeconomics (133) (C- and above)			3 year UG SSH Economics, 5 year UG SSH, 6 year UG SSH	4 year UG SSH Economics	SSH	
67	ECON 333	Political Economy	3	6	ECON 201 Intermediate Microeconomics (133) (C- and above)			3 year UG SSH Economics, 5 year UG SSH, 6 year UG SSH	4 year UG SSH Economics	SSH	
68	ECON 335	Economics of Information	3	6	ECON 201 Intermediate Microeconomics (133) (C- and above)			3 year UG SSH Economics, 5 year UG SSH, 6 year UG SSH	4 year UG SSH Economics	SSH	
69	ECON 402	Advanced Macroeconomics	3	6	ECON 202 Intermediate Macroeconomics (207) (C- and above)			Economics		SSH	
70	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	
71	ECON 413	Econometrics II Time Series	3	6	ECON 301 Econometrics I (664) (C- and above)			Economics		SSH	
72	ECON 428	Wages and the Labor Market	3	6	ECON 201 Intermediate Microeconomics (133) (C- and above) AND ECON 301 Econometrics I (664) (C- and above)			Economics		SSH	
73	ECON 433	Econometrics II Panel Data	3	6	ECON 301 Econometrics I (664) (C- and above)			Economics		SSH	
History, Philosophy and Religious Studies											
74	HST 100	History of Kazakhstan	3	6				4 year UG SEDS, 4 year UG SEDS (pending graduation), 4 year UG SMG, 4 year UG SOM, 4 year UG SSH, 4 year UG SSH (pending graduation), 5 year UG SEDS, 5 year UG SEDS (pending graduation), 5 year UG SMG, 5 year UG SSH, 5 year UG SSH (pending graduation), 6 year UG SEDS, 6 year UG SSH, 6 year UG SSH (pending graduation)	1 year UG SEDS, 1 year UG SMG, 1 year UG SOM, 1 year UG SSH, 2 year UG SSH Biological Sciences	SEDS, SMG, SSH, SoM	
75	HST 124	Introduction to the History of Medicine	3	6				4 year UG SEDS, 4 year UG SMG, 4 year UG SSH, 5 year UG SEDS, 5 year UG SSH, History	SEDS, SMG, SSH, SoM		
76	HST 132	European History II (from 1700)	3	6				4 year UG SEDS, 4 year UG SMG, 4 year UG SSH, 5 year UG SEDS, 5 year UG SSH, History	SEDS, SMG, SSH, SoM		
77	HST 172	Middle Eastern History II (from 1800)	3	6				4 year UG SEDS, 4 year UG SMG, 4 year UG SSH, 5 year UG SEDS, 5 year UG SSH, History	1 year UG SEDS, 1 year UG SMG, 1 year UG SOM, 1 year UG SSH	SEDS, SMG, SSH, SoM	
78	HST 205	The Mongol Empire	3	6	Subject "HST" BETWEEN 100 and 199 OR Subject "" BETWEEN 100 and 199 OR Subject "" BETWEEN 100 and 199 OR Subject "" BETWEEN 100 and 199			4 year UG SEDS, 4 year UG SMG, 4 year UG SSH, 5 year UG SEDS, 5 year UG SSH, History	SEDS, SMG, SSH, SoM		

79	HST 232	Russian History from Rurik to Catherine the Great	3	6			4 year UG SEDS, 4 year UG SEDS (pending graduation), 4 year UG SMG, 4 year UG SMG (pending graduation), 4 year UG SSH, 4 year UG SSH (pending graduation), 5 year UG SEDS, 5 year UG SEDS (pending graduation), 5 year UG SSH, 5 year UG SSH (pending graduation), History	SEDS, SMG, SSH, SoM		
80	HST 346	Genocide in Modern History	3	6	REL 110/HST 110 Introduction to World Religions (142) (B and above) OR REL 120 Religion and Science (457) (B and above) OR REL 140 Religion in the Modern World (1623) (B and above) OR REL 160 Lived Religion (1347) (B and above) OR HST 100 History of Kazakhstan (172) (B and above) OR HST 103 Central Asian History I (to 1700) (197) (B and above) OR HST 104 Central Asian History II (1700 - 1991) (1192) (B and above) OR HST 105 Introduction to World Environmental History (4424) (B and above) OR HST 121 World History I (to 1500) (1193) (B and above) OR HST 122 World History II (from 1500) (1162) (B and above) OR HST 123 Introduction to the History of Science and Technology (1376) (B and above) OR HST 124 Introduction to the History of Medicine (3000) (B and above) OR HST 125 History of Magic (5668) (B and above) OR HST 131 European History I (to 1700) (201) (B and above) OR HST 132 European History II (from 1700) (139) (B and above) OR HST 151 US History I (to 1877) (668) (B and above) OR HST 152 US History II (from 1877) (465) (B and above) OR HST 172 Middle Eastern History II (from 1800) (1194) (B and above) OR HST 182 East Asian History II (from 1500) (213) (B and above) OR HST 199 Freshman Seminar (241) (B and above) OR HST 199 Freshman Seminar: Western Intellectual History (1509) (B and above)		4 year UG SEDS, 4 year UG SEDS (pending graduation), 4 year UG SMG, 4 year UG SMG (pending graduation), 4 year UG SSH, 4 year UG SSH (pending graduation), 5 year UG SEDS, 5 year UG SEDS (pending graduation), 5 year UG SSH, 5 year UG SSH (pending graduation), History	SEDS, SMG, SSH, SoM		
81	HST 424	Global Histories	3	6	Subject "HST" BETWEEN 100 and 199 OR Subject "HST" BETWEEN 200 and 299 OR Subject "HST" BETWEEN 300 and 399 OR Subject "HST" BETWEEN 400 and 499		4 year UG SEDS, 4 year UG SMG, 4 year UG SSH, 5 year UG SEDS, 5 year UG SEDS (pending graduation), 5 year UG SSH, 5 year UG SSH (pending graduation), History	SEDS, SMG, SSH, SoM		
82	HST 498	Directed Reading	3	6			Instructor's Permission Required. Registration through Add Course form only!			
83	PHIL 101	Introduction to Philosophy	3	6			SEDS, SMG, SSH, SoM			

84	PHIL 141	Critical Thinking	3	6				SEDS, SMG, SSH, SoM		
85	PHIL 160	Philosophy of Religion	3	6				SEDS, SMG, SSH, SoM		
86	PHIL 210	Ethics	3	6				3 year UG SOM Medical Sciences, 4 year UG SEDS, 4 year UG SEDS (pending graduation), 4 year UG SMG, 4 year UG SOM, 4 year UG SSH, 4 year UG SSH (pending graduation), 5 year UG SEDS, 5 year UG SEDS (pending graduation), 5 year UG SMG, 5 year UG SSH, 5 year UG SSH (pending graduation), 6 year UG SEDS, 6 year UG SSH	2 year UG SEDS, 2 year UG SMG, 2 year UG SSH Biological Sciences, 3 year UG SEDS, 3 year UG SMG	SEDS, SMG, SSH, SoM
87	PHIL 223	Philosophy of Science	3	6				SEDS, SMG, SSH, SoM		
88	PHIL 225	Truth and Reality	3	6				SEDS, SMG, SSH, SoM		
89	PHIL 315	Philosophy of Agency	3	6				SEDS, SMG, SSH, SoM		
History, Philosophy and Religious Studies, Kazakh Language and Turkic Studies										
90	HST 271/TUR 271	History of the Ottoman Empire	3	6	HST 100 History of Kazakhstan (172) (C- and above)			Instructor's Permission Required. Registration through Add Course form only!		
History, Philosophy and Religious Studies, Languages, Literature and Linguistics										
91	HST 274/WLL 274	Texts and Contexts	3	6				History, World Languages, Literatures and Cultures		SSH
92	WLL 102 /PHIL 102	Language, Experience, Culture	3	6				2 year UG SSH World Languages, Literatures and Cultures, Undeclared SSH	World Languages, Literatures and Cultures	SEDS, SMG, SSH, SoM
Kazakh Language and Turkic Studies										
93	KAZ 001	Kazakh Language Placement Test	0	0						
94	KAZ 201	Academic Kazakh I	3	6	KAZ 150 Basic Kazakh (1215) (C- and above) OR KLL "[B1.2] Intermediate"			1 year UG SOM, 4 year UG SEDS, 4 year UG SMG, 4 year UG SSH, 5 year UG SEDS, 5 year UG SSH	SEDS, SMG, SSH, SoM	
95	KAZ 202	Academic Kazakh II	3	6	KAZ 201 Academic Kazakh I (4561) (C- and above) OR KLL "[B2.2] Upper-Interm."			1 year UG SOM, 4 year UG SEDS, 4 year UG SMG, 4 year UG SSH, 5 year UG SEDS, 5 year UG SSH	SEDS, SMG, SSH, SoM	
96	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)	1 year UG SOM, 4 year UG SEDS, 4 year UG SMG, 4 year UG SSH, 5 year UG SEDS, 5 year UG SSH	SEDS, SMG, SSH, SoM	
97	KAZ 313	Kazakh for Business	3	6	KAZ 202 Academic Kazakh II (4562) (C- and above) OR KLL "[C1.1] Advanced"			1 year UG SOM, 4 year UG SEDS, 4 year UG SMG, 4 year UG SSH, 5 year UG SEDS, 5 year UG SSH	SEDS, SMG, SSH, SoM	

98	KAZ 351	Kazakh Short Stories	3	6	KAZ 202 Academic Kazakh II (4562) (C-and above) OR KLL "[C1.1] Advanced"			1 year UG SOM, 4 year UG SEDS, 4 year UG SMG, 4 year UG SSH, 5 year UG SEDS, 5 year UG SSH	SEDS, SMG, SSH, SoM		
99	KAZ 353	Kazakh Poetry	3	6	KAZ 202 Academic Kazakh II (4562) (C-and above) OR KLL "[C1.1] Advanced"			SEDS, SMG, SSH, SoM			
100	KAZ 356	Kazakh Music History	3	6	KAZ 202 Academic Kazakh II (4562) (C-and above) OR KLL "[C1.1] Advanced"			1 year UG SOM, 4 year UG SEDS, 4 year UG SMG, 4 year UG SSH, 5 year UG SEDS, 5 year UG SSH	SEDS, SMG, SSH, SoM		
101	KAZ 357	Literature of Alash	3	6	KAZ 202 Academic Kazakh II (4562) (C-and above) OR KLL "[C1.1] Advanced"			1 year UG SOM, 4 year UG SEDS, 4 year UG SMG, 4 year UG SSH, 5 year UG SEDS, 5 year UG SSH	SEDS, SMG, SSH, SoM		
102	KAZ 359	Professional Kazakh for Medicine	3	6	KAZ 202 Academic Kazakh II (4562) (C-and above) OR KLL "[C1.1] Advanced"			SEDS, SMG, SSH, SoM			
103	KAZ 362	Creative Writing in Kazakh Language	3	6	KAZ 202 Academic Kazakh II (4562) (C-and above) OR KLL "[C1.1] Advanced"			1 year UG SOM, 4 year UG SEDS, 4 year UG SMG, 4 year UG SSH, 5 year UG SEDS, 5 year UG SSH	SEDS, SMG, SSH, SoM		
104	KAZ 363	Language and Globalization	3	6	KAZ 202 Academic Kazakh II (4562) (C-and above) OR KLL "[C1.1] Advanced"			1 year UG SOM, 4 year UG SEDS, 4 year UG SMG, 4 year UG SSH, 5 year UG SEDS, 5 year UG SSH	SEDS, SMG, SSH, SoM		
105	KAZ 364	Kazakh for Civil Service	3	6	KAZ 202 Academic Kazakh II (4562) (C-and above) OR KLL "[C1.1] Advanced"			1 year UG SOM, 4 year UG SEDS, 4 year UG SMG, 4 year UG SSH, 5 year UG SEDS, 5 year UG SSH	SEDS, SMG, SSH, SoM		
106	KAZ 371	Contemporary Kazakh Literature	3	6	KAZ 202 Academic Kazakh II (4562) (C-and above) OR KLL "[C1.1] Advanced"			1 year UG SOM, 4 year UG SEDS, 4 year UG SMG, 4 year UG SSH, 5 year UG SEDS, 5 year UG SSH	SEDS, SMG, SSH, SoM		
107	KAZ 373	Kazakh Terminology	3	6	KAZ 202 Academic Kazakh II (4562) (C-and above) OR KLL "[C1.1] Advanced"			1 year UG SOM, 4 year UG SEDS, 4 year UG SMG, 4 year UG SSH, 5 year UG SEDS, 5 year UG SSH	SEDS, SMG, SSH, SoM		
108	KAZ 374	Kazakh Diplomacy	3	6	KAZ 202 Academic Kazakh II (4562) (C-and above) OR KLL "[C1.1] Advanced"			1 year UG SOM, 4 year UG SEDS, 4 year UG SMG, 4 year UG SSH, 5 year UG SEDS, 5 year UG SSH	SEDS, SMG, SSH, SoM		
109	KAZ 376	Language and Culture	3	6	KAZ 202 Academic Kazakh II (4562) (C-and above) OR KLL "[C1.1] Advanced"			1 year UG SOM, 4 year UG SEDS, 4 year UG SMG, 4 year UG SSH, 5 year UG SEDS, 5 year UG SSH	SEDS, SMG, SSH, SoM		
110	KAZ 377	Intercultural Communication through Film	3	6	KAZ 202 Academic Kazakh II (4562) (C-and above) OR KLL "[C1.1] Advanced"			1 year UG SOM, 4 year UG SEDS, 4 year UG SMG, 4 year UG SSH, 5 year UG SEDS, 5 year UG SSH	SEDS, SMG, SSH, SoM		
111	KAZ 410	Kazakh literature of the XV-XIX centuries	3	6	Subject "KAZ" BETWEEN 300 and 399 OR Subject "KAZ" BETWEEN 300 and 399			1 year UG SOM, 4 year UG SEDS, 4 year UG SMG, 4 year UG SSH, 5 year UG SEDS, 5 year UG SSH	SEDS, SMG, SSH, SoM		
112	KFL 101	Elementary Kazakh as a Foreign Language I	4	8				Instructor's Permission Required. Registration through Add Course form only!			

113	TUR 100	Languages, Cultures, and Communities of the Turkic World	3	6				SEDS, SMG, SSH, SoM			
114	TUR 230	Literatures of Central Asia	3	6				SEDS, SMG, SSH, SoM			
115	TUR 231	Istanbul in Literature and Culture	3	6				SEDS, SMG, SSH, SoM			
116	TUR 301	Introduction to Old Turkic	3	6	KAZ 202 Academic Kazakh II (4562) (C- and above) OR KLL "[C1.1] Advanced"			SEDS, SMG, SSH, SoM			
117	TUR 411	Advanced Readings in Turkish Literature	3	6				SEDS, SMG, SSH, SoM			
118	TUR 451	The Turkish Novel	3	6				SEDS, SMG, SSH, SoM			
Languages, Literature and Linguistics											
119	CHN 102	Beginning Mandarin II	4	8	CHN 101 Beginning Mandarin I (1384) (C and above)			SSH	SEDS, SMG, SoM		
120	CHN 202	Intermediate Mandarin II	4	8	CHN 201 Intermediate Mandarin I (2181) (C and above)			SSH	SEDS, SMG, SoM		
121	FRE 102	Beginning French II	4	8	FRE 101 Beginning French I (246) (C- and above)			SSH	SEDS, SMG, SoM		
122	FRE 201	Intermediate French I	4	8	FRE 102 Beginning French II (454) (C- and above)			SSH	SEDS, SMG, SoM		
123	FRE 202	Intermediate French II	4	8	FRE 201 Intermediate French I (667) (C- and above)			SSH	SEDS, SMG, SoM		
124	KOR 101	Beginning Korean I	4	8				2 year UG SSH World Languages, Literatures and Cultures, Undeclared SSH	3 year UG SSH World Languages, Literatures and Cultures	2 year UG SSH, 3 year UG SSH	
125	KOR 201	Intermediate Korean I	4	8	KOR 102 Beginning Korean II (4791) (C- and above)			SSH	SEDS, SMG, SoM		
126	KOR 301	Advanced Korean I	4	8	KOR 202 Intermediate Korean II (5060) (C- and above)			SSH	SEDS, SMG, SoM		
127	LING 131	Introduction to Linguistics	3	6				2 year UG SSH World Languages, Literatures and Cultures, Undeclared SSH	World Languages, Literatures and Cultures	SEDS, SMG, SSH, SoM	
128	LING 277	Language Diversity and Language Universals	3	6	LING 131 Introduction to Linguistics (1394) (C and above)			World Languages, Literatures and Cultures	SSH	SEDS, SMG, SoM	
129	LING 278	Sounds of the World's Languages	3	6				World Languages, Literatures and Cultures	SSH	SEDS, SMG, SoM	
130	LING 372	Discourse Analysis	3	6	Subject "LLL" BETWEEN 100 and 199 OR Subject "WLL" BETWEEN 100 and 199 OR WLL 171/ANT 175 Introduction to Linguistic Anthropology (4417) (C- and above) OR Subject "LING" BETWEEN 100 and 199 OR Subject "LING" BETWEEN 100 and 199			World Languages, Literatures and Cultures	SSH	SEDS, SMG, SoM	
131	LING 374	Language Contact in Central Asia	3	6	LING 131 Introduction to Linguistics (1394) (C- and above)			World Languages, Literatures and Cultures	SSH	SEDS, SMG, SoM	
132	LING 473	Advanced Empirical Methods in Linguistics	3	6	LING 131 Introduction to Linguistics (1394) (C and above)			World Languages, Literatures and Cultures	SSH	SEDS, SMG, SoM	
133	PER 101	Beginning Persian I	4	8				2 year UG SSH World Languages, Literatures and Cultures, Undeclared SSH	3 year UG SSH World Languages, Literatures and Cultures	2 year UG SSH, 3 year UG SSH	

134	RFL 103	Beginning Russian	4	8							
135	RFL 156	Kazakhstan - history, culture, traditions, society, modernity	6	3							
136	RFL 203	Intermediate Russian	4	8							
137	RFL 211	East in Soviet Russian-language culture: origin and fate	3	6							
138	RFL 303	Advanced Russian	4	8							
139	RFL 415	Social Problems and Issues of Eurasia	6	3							
140	RFL 469	International relations of Eurasia	3	6							
141	SPA 101	Beginning Spanish I	4	8				2 year UG SSH World Languages, Literatures and Cultures, SEDS, SMG, SSH, SoM, Undeclared SSH	2 year UG SSH, 3 year UG SSH		
142	SPA 201	Intermediate Spanish I	4	8	SPA 102 Beginning Spanish II (1128) (C- and above)			SSH	SEDS, SMG, SoM		
143	WLL 110	Introduction to Literary Studies	3	6				2 year UG SSH World Languages, Literatures and Cultures, Undeclared SSH	World Languages, Literatures and Cultures	SEDS, SMG, SSH, SoM	
144	WLL 201	World Literature I	3	6				World Languages, Literatures and Cultures	SSH	SEDS, SMG, SoM	
145	WLL 244	Survey of Nineteenth-Century Russian Literature	3	6				World Languages, Literatures and Cultures	SSH	SEDS, SMG, SoM	
146	WLL 246	Survey of Contemporary Russian Literature and Culture	3	6	Subject "WLL" BETWEEN 100 and 199 OR WCS 150 Rhetoric and Composition (2183) (C- and above)			World Languages, Literatures and Cultures	SSH	SEDS, SMG, SoM	
147	WLL 250	From Page to Screen	3	6				World Languages, Literatures and Cultures	SSH	SEDS, SMG, SoM	
148	WLL 261	Survey of American Literature	3	6				World Languages, Literatures and Cultures	SSH	SEDS, SMG, SoM	
149	WLL 333	Literary Modernism: Tradition and Innovation	3	6	Subject "WLL" BETWEEN 200 and 299			World Languages, Literatures and Cultures	SSH	SEDS, SMG, SoM	
150	WLL 450	Laughter	3	6				World Languages, Literatures and Cultures	SSH	SEDS, SMG, SoM	

151	WLL 451	The Call of the Evil: Unmasking the Villain(ness) in Popular Culture and Literature	3	6	WLL 201 World Literature I (686) (C+ and above) OR WLL 209 Introduction to Translation Studies (2178) (C+ and above) OR WLL 210 Migrants, Nomads and Exiles (217) (C+ and above) OR WLL 211 World Literature II: from the 18th to the 20th century (492) (C+ and above) OR WLL 212 Introduction to Poetry (2167) (C+ and above) OR WLL 213/SPA 211 Introduction to the Hispanic World (1030) (C+ and above) OR WLL 218 Renaissance in Italy and Beyond (6573) (C+ and above) OR WLL 219 Myth and Adaptation (2489) (C+ and above) OR WLL 220 Ancient World Literature (to 1650) (218) (C+ and above) OR WLL 221 Creative Writing/Theatre (245) (C+ and above) OR WLL 222 Acting: Praxis, Theory and History (3336) (C+ and above) OR WLL 231 Beginning and Intermediate Playwriting (1625) (C+ and above) OR WLL 240 Introduction to the Novel (687) (C+ and above) OR WLL 241 Survey of Folk Tales (466) (C+ and above) OR WLL 243 Western Theatre, Literature and History From Ancient Greece to 1800 (1082) (C+ and above) OR WLL 244 Survey of Nineteenth-Century Russian Literature (1395) (C+ and above) OR WLL 349 Terrible Perfection: Women in 19th-Century Russian Literature (2488) (C+ and above) OR WLL 246 Survey of Contemporary Russian Literature and Culture (3604) (C+ and above) OR WLL 247 Survey of East Asian Literature (1382) (C+ and above) OR WLL 248 Survey of Soviet Literature and Culture (3842) (C+ and above) OR WLL 250 From Page to Screen (472) (C+ and above) OR WLL 251 Hong Kong Cinema (3337) (C+ and above) OR WLL 253 Western Theatre Literature and History: 1800-Present (1396) (C+ and above) OR WLL 254/SPA 254 Superstition, Magical Realism, and Horror in Hispanic Culture (1851) (C+ and above) OR WLL 255 The Comic Book in Japan and America (1849) (C+ and above) OR WLL 257 Fan Culture in the Age of Convergence (2487) (C+ and above) OR WLL 291 Theatre Practicum (2168) (C+ and above)			World Languages, Literatures and Cultures	SSH	SEDS, SMG, SoM	
152	WLL 498	Languages, Linguistics, and Literatures Capstone I	3	6				Instructor's Permission Required. Registration through Add Course form only!			

Languages, Literature and Linguistics, Sociology and Anthropology

153	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)			5 year UG SEDS, 5 year UG SSH, Anthropology, Sociology	2 year UG SSH	SEDS, SMG, SSH, SoM	
Mathematics											
154	MATH 161	Calculus I	4	8				Biological Sciences, Chemistry, Mathematics, Physics, SEDS, SMG	SSH, SoM		
155	MATH 162	Calculus II	4	8	MATH 161 Calculus I (118) (C and above)			5 year UG SSH, Chemistry, Mathematics, Physics, SEDS, SMG	Undeclared SSH	SSH, SoM	
156	MATH 251	Discrete Mathematics	3	6	MATH 161 Calculus I (118) (C and above)			Computer Science, Mathematics	SEDS, SMG, SSH, SoM		
157	MATH 263	Calculus III	4	8	MATH 162 Calculus II (170) (C and above)			Mathematics, Physics	SEDS, SMG, SSH, SoM		
158	MATH 273	Linear Algebra with Applications	4	8	MATH 161 Calculus I (118) (C and above)	MATH 162 Calculus II (170) (C and above)		Computer Science, Mathematics, Physics, Robotics Engineering, Robotics and Mechatronics	SEDS, SMG, SSH, SoM		
159	MATH 274	Introduction to Differential Equations	3	6	MATH 162 Calculus II (170) (C and above)			Mathematics, Physics	Chemistry, Robotics Engineering, Robotics and Mechatronics	SEDS, SMG, SSH, SoM	
160	MATH 301	Introduction to Number Theory	3	6	MATH 273 Linear Algebra with Applications (84) (C and above) AND MATH 251 Discrete Mathematics (85) (C and above)			Mathematics	SEDS, SMG, SSH, SoM		
161	MATH 302	Abstract Algebra I	3	6	MATH 273 Linear Algebra with Applications (84) (C and above) AND MATH 251 Discrete Mathematics (85) (C and above)			Mathematics	SEDS, SMG, SSH, SoM		
162	MATH 310	Applied Statistical Methods	3	6	MATH 161 Calculus I (118) (C and above)		MATH 321 Probability (482) (C and above)	Biological Sciences	2 year UG SMG Mining Engineering, 2 year UG SMG Petroleum Engineering	SEDS, SMG, SSH, SoM	
163	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)	Mathematics, Robotics Engineering, Robotics and Mechatronics	Computer Science	SEDS, SMG, SSH, SoM	
164	MATH 322	Mathematical Statistics	3	6	MATH 321 Probability (482) (C and above) OR ECON 211 Economic Statistics (2280) (C and above)			Mathematics	SEDS, SMG, SSH, SoM		

165	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		
166	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		
167	MATH 371	Introduction to Mathematical Biology	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		
168	MATH 424	Mathematical Finance	3	6	MATH 321 Probability (482) (C and above) OR ECON 211 Economic Statistics (2280) (C and above)			Mathematics	SEDS, SMG, SSH, SoM		
169	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		
170	MATH 446	Time Series Analysis	3	6	MATH 322 Mathematical Statistics (1165) (C and above)						
171	MATH 449	Statistical Programming	3	6	MATH 322 Mathematical Statistics (1165) (C and above)			Mathematics	SEDS, SMG, SSH, SoM		
172	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		
173	MATH 477	Applied Finite Element Methods	3	6	MATH 351 Numerical Methods with Applications (1166) (C and above)			Mathematics	SEDS, SMG, SSH, SoM		
174	MATH 480	Complex Analysis	3	6	MATH 263 Calculus III (81) (C and above)			Mathematics	SEDS, SMG, SSH, SoM		
175	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		
Physics											
176	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)	SEDS, SMG, SSH, SoM			
177	PHYS 201	Introductory Astronomy I	3	6				5 year UG SEDS, 5 year UG SSH, Physics	SEDS, SMG, SSH, SoM		
178	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		

179	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		
180	PHYS 291	Introduction to Quantum Technologies	3	6				5 year UG SEDS, 5 year UG SSH, Physics	SEDS, SMG, SSH, SoM		
181	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		
182	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		
183	PHYS 395	Research Methods	3	6				Physics			
184	PHYS 452	Quantum Mechanics II	3	6	PHYS 451 Quantum Mechanics I (1415) (C- and above)			Physics			
185	PHYS 463	Astrophysics and General Relativity	3	6	MATH 162 Calculus II (170) (C- and above) AND PHYS 221 Classical Mechanics I (652) (C- and above) AND MATH 274 Introduction to Differential Equations (484) (C- and above)			Physics	SEDS, SMG, SSH, SoM		
186	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		
187	PHYS 498	Honors Thesis Research	0	0				Instructor's Permission Required. Registration through Add Course form only!			
Political Science and International Relations											
188	PLS 100	Introduction to the Politics of Central Asia	3	6				5 year UG SEDS, 5 year UG SSH, 6 year UG SEDS, 6 year UG SSH	Biological Sciences, Chemistry, Mathematics, Physics	SEDS, SMG, SSH, SoM	

189	PLS 101	Introduction to Political Science	3	6				5 year UG SEDS, 5 year UG SSH, 6 year UG SEDS, 6 year UG SSH	Biological Sciences, Chemistry, Mathematics, Physics	SEDS, SMG, SSH, SoM	
190	PLS 102	The Political Challenges of Technologies and Science: An Introduction	3	6				5 year UG SEDS, 5 year UG SSH, 6 year UG SEDS, 6 year UG SSH	Biological Sciences, Chemistry, Mathematics, Physics	SEDS, SMG, SSH, SoM	
191	PLS 120	Introduction to Political Theory	3	6				5 year UG SEDS, 5 year UG SSH, 6 year UG SEDS, 6 year UG SSH	Undeclared SEDS, Undeclared SMG, Undeclared SSH	SEDS, SMG, SSH, SoM	
192	PLS 140	Introduction to Comparative Politics	3	6				5 year UG SEDS, 5 year UG SSH, 6 year UG SEDS, 6 year UG SSH	Undeclared SEDS, Undeclared SMG, Undeclared SSH	SEDS, SMG, SSH, SoM	
193	PLS 150	Introduction to International Relations	3	6				5 year UG SEDS, 5 year UG SSH, 6 year UG SEDS, 6 year UG SSH	Undeclared SEDS, Undeclared SMG, Undeclared SSH	SEDS, SMG, SSH, SoM	
194	PLS 210	Political Science Research Methods	3	6				5 year UG SEDS, 5 year UG SSH, 6 year UG SEDS, 6 year UG SSH, Political Science and International Relations		SEDS, SMG, SSH, SoM	
195	PLS 211	Quantitative Methods	3	6			ECON 211 Economic Statistics (2280) (C- and above)	5 year UG SEDS, 5 year UG SSH, 6 year UG SEDS, 6 year UG SSH, Political Science and International Relations	SEDS, SMG, SSH, SoM		
196	PLS 320	Feminist Political Theory	3	6	PLS 120 Introduction to Political Theory (512) (C- and above) AND PLS 210 Political Science Research Methods (129) (C- and above)			5 year UG SEDS, 5 year UG SSH, 6 year UG SEDS, 6 year UG SSH, Political Science and International Relations	SEDS, SMG, SSH, SoM		
197	PLS 330	Politics and Governance of Eurasia	3	6	PLS 210 Political Science Research Methods (129) (C- and above)			5 year UG SEDS, 5 year UG SSH, 6 year UG SEDS, 6 year UG SSH, Political Science and International Relations	SEDS, SMG, SSH, SoM		
198	PLS 341	Politics of Development	3	6	PLS 210 Political Science Research Methods (129) (C- and above)			5 year UG SEDS, 5 year UG SSH, 6 year UG SEDS, 6 year UG SSH, Political Science and International Relations	SEDS, SMG, SSH, SoM		
199	PLS 342	Political Corruption	3	6	PLS 210 Political Science Research Methods (129) (C- and above)			5 year UG SEDS, 5 year UG SSH, 6 year UG SEDS, 6 year UG SSH, Political Science and International Relations	SEDS, SMG, SSH, SoM		
200	PLS 354	Introduction to International Law	3	6	PLS 150 Introduction to International Relations (511) (C- and above) AND PLS 210 Political Science Research Methods (129) (C- and above)			5 year UG SEDS, 5 year UG SSH, 6 year UG SEDS, 6 year UG SSH, Political Science and International Relations	SEDS, SMG, SSH, SoM		
201	PLS 370	Law, Politics and Society	3	6	PLS 210 Political Science Research Methods (129) (C- and above)			5 year UG SEDS, 5 year UG SSH, 6 year UG SEDS, 6 year UG SSH, Political Science and International Relations	SEDS, SMG, SSH, SoM		
202	PLS 391	Intermediate Special Topics in Comparative Politics	3	6	PLS 210 Political Science Research Methods (129) (C- and above)			5 year UG SEDS, 5 year UG SSH, 6 year UG SEDS, 6 year UG SSH, Political Science and International Relations	SEDS, SMG, SSH, SoM		

203	PLS 395	Independent Study	3	6	PLS 210 Political Science Research Methods (129) (C- and above) AND PLS 211 Quantitative Methods (221) (C- and above)			Instructor's Permission Required. Registration through Add Course form only!			
204	PLS 416	Experimental Political Science	3	6	PLS 210 Political Science Research Methods (129) (C- and above) AND PLS 211 Quantitative Methods (221) (C- and above)			5 year UG SEDS, 5 year UG SSH, 6 year UG SEDS, 6 year UG SSH, Political Science and International Relations			
205	PLS 422	Just War Theory	3	6	PLS 120 Introduction to Political Theory (512) (C- and above) AND PLS 210 Political Science Research Methods (129) (C- and above)			5 year UG SEDS, 5 year UG SSH, 6 year UG SEDS, 6 year UG SSH, Political Science and International Relations			
206	PLS 423	Immigration Theory	3	6				5 year UG SEDS, 5 year UG SSH, 6 year UG SEDS, 6 year UG SSH, Political Science and International Relations			
207	PLS 431	Politics and Governance of the Russian Federation	3	6	PLS 210 Political Science Research Methods (129) (C- and above)			5 year UG SEDS, 5 year UG SSH, 6 year UG SEDS, 6 year UG SSH, Political Science and International Relations	SEDS, SMG, SSH, SoM		
208	PLS 441	Advanced Topics in Comparative Politics	3	6	PLS 140 Introduction to Comparative Politics (223) (C- and above) AND PLS 210 Political Science Research Methods (129) (C- and above)			5 year UG SEDS, 5 year UG SSH, 6 year UG SEDS, 6 year UG SSH, Political Science and International Relations			
209	PLS 448	Comparative Electoral System	3	6	PLS 140 Introduction to Comparative Politics (223) (C- and above)			5 year UG SEDS, 5 year UG SSH, 6 year UG SEDS, 6 year UG SSH, Political Science and International Relations	SEDS, SMG, SSH, SoM		
210	PLS 457	International Security and Conflict	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)			5 year UG SEDS, 5 year UG SSH, 6 year UG SEDS, 6 year UG SSH, Political Science and International Relations			
211	PLS 458	International Organization	3	6	PLS 150 Introduction to International Relations (511) (C- and above) AND PLS 210 Political Science Research Methods (129) (C- and above)			5 year UG SEDS, 5 year UG SSH, 6 year UG SEDS, 6 year UG SSH, Political Science and International Relations			
212	PLS 459	International Conflict Processes	3	6	PLS 150 Introduction to International Relations (511) (C- and above) AND PLS 210 Political Science Research Methods (129) (C- and above) OR PLS 211 Quantitative Methods (221) (C- and above)			5 year UG SEDS, 5 year UG SSH, 6 year UG SEDS, 6 year UG SSH, Political Science and International Relations			
213	PLS 495	Research Practicum in PSIR	1	2	PLS 210 Political Science Research Methods (129) (C- and above) AND PLS 211 Quantitative Methods (221) (C- and above)			Instructor's Permission Required. Registration through Add Course form only!			
SSH											
214	SSH 300	School of Sciences and Humanities Internship	3	6				Instructor's Permission Required. Registration through Add Course form only!			
215	SSH 301	School of Sciences and Humanities Internship: Second Experience	3	6				Instructor's Permission Required. Registration through Add Course form only!			

Sociology and Anthropology

216	ANT 101	Being Human: An Introduction to Four Field Anthropology	3	6				5 year UG SEDS, 5 year UG SSH, Anthropology, SoM, Sociology, Undeclared SEDS, Undeclared SMG, Undeclared SSH	2 year UG SSH, 3 year UG SSH Biological Sciences	SEDS, SMG, SSH	
217	ANT 140	World Prehistory	3	6				5 year UG SEDS, 5 year UG SSH, Anthropology, SoM, Sociology, Undeclared SEDS, Undeclared SMG, Undeclared SSH	2 year UG SSH, 3 year UG SSH Biological Sciences	SEDS, SMG, SSH	
218	ANT 204	Capitalism in Crisis	3	6				5 year UG SEDS, 5 year UG SSH, Anthropology, Sociology	2 year UG SSH	SEDS, SMG, SSH, SoM	
219	ANT 233	Cavemen, Mammoths, and Sabertooths: Stone Age Archaeology in Eurasia	3	6				5 year UG SEDS, 5 year UG SSH, Anthropology, Sociology	2 year UG SSH	SEDS, SMG, SSH, SoM	
220	ANT 240	Laboratory Methods in Archaeology	3	6				Anthropology		SEDS, SMG, SSH, SoM	
221	ANT 306	Anthropology of Performance	3	6				5 year UG SEDS, 5 year UG SSH, Anthropology, Sociology	2 year UG SSH	SEDS, SMG, SSH, SoM	
222	ANT 314	Politics of Identity in Eurasia	3	6	Subject "HST" BETWEEN 100 and 499 OR Subject "SOC" BETWEEN 100 and 499 OR Subject "ANT" BETWEEN 100 and 499 OR Subject "PLS" BETWEEN 100 and 499 OR Subject "SOC" BETWEEN 100 and 499 OR Subject "ANT" BETWEEN 100 and 499			5 year UG SEDS, 5 year UG SSH, Anthropology, Sociology	2 year UG SSH	SEDS, SMG, SSH, SoM	
223	ANT 333	Anthropology of Space	3	6				5 year UG SEDS, 5 year UG SSH, Anthropology, Sociology	2 year UG SSH	SEDS, SMG, SSH, SoM	
224	ANT 400	Research Assistance in Anthropology	1	2				Instructor's Permission Required. Registration through Add Course form only!			
225	ANT 401	Research Assistance in Anthropology	1	2							
226	ANT 421	Sport and Construction of Identity	3	6				3 year UG SSH Anthropology, 4 year UG SSH Anthropology	Anthropology, Sociology	SEDS, SMG, SSH, SoM	
227	ANT 481	Anthropology of Entrepreneurship	3	6	ANT 110 Introduction to Sociocultural Anthropology (501) (C- and above)			3 year UG SSH Anthropology, 4 year UG SSH Anthropology	Anthropology, Sociology	SEDS, SMG, SSH, SoM	
228	ANT 498	Capstone Seminar I	3	6				Instructor's Permission Required. Registration through Add Course form only!			
229	SOC 101	Introduction to Sociology	3	6				5 year UG SEDS, 5 year UG SSH, Anthropology, SoM, Sociology, Undeclared SEDS, Undeclared SMG, Undeclared SSH	2 year UG SSH, 3 year UG SSH Biological Sciences	SEDS, SMG, SSH	
230	SOC 201	Social Science Research Methods	3	6				3 year UG SSH Anthropology, 3 year UG SSH Sociology, 4 year UG SSH Anthropology, 4 year UG SSH Sociology	Anthropology, Sociology		
231	SOC 203	Quantitative Methods in Sociology	3	6				4 year UG SSH Sociology	Anthropology, Sociology		

232	SOC 210	Gender and Society	3	6				5 year UG SEDS, 5 year UG SSH, Anthropology, SoM, Sociology, Undeclared SEDS, Undeclared SMG, Undeclared SSH	2 year UG SSH, 3 year UG SSH Biological Sciences	SEDS, SMG, SSH	
233	SOC 215	Sociology of Race and Ethnicity	3	6				5 year UG SEDS, 5 year UG SSH, Anthropology, SoM, Sociology, Undeclared SEDS, Undeclared SMG, Undeclared SSH	2 year UG SSH, 3 year UG SSH Biological Sciences	SEDS, SMG, SSH	
234	SOC 217	Sociology of the Family	3	6				5 year UG SEDS, 5 year UG SSH, Anthropology, SoM, Sociology, Undeclared SEDS, Undeclared SMG, Undeclared SSH	2 year UG SSH, 3 year UG SSH Biological Sciences	SEDS, SMG, SSH	
235	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)			4 year UG SSH Sociology	Sociology		
236	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)			5 year UG SEDS, 5 year UG SSH, Anthropology, Sociology	2 year UG SSH	SEDS, SMG, SSH, SoM	
237	SOC 401	Research Assistance in Sociology	1	2				Instructor's Permission Required. Registration through Add Course form only!			
238	SOC 410	Violence against women: An Intersectional Approach	3	6	Subject "SOC" BETWEEN 200 and 299 OR Subject "SOC" BETWEEN 200 and 299 OR Subject "SOC" BETWEEN 300 and 399 OR Subject "SOC" BETWEEN 300 and 399			4 year UG SSH Sociology	Anthropology, Sociology		
239	SOC 411	Citizenship in Eurasia: Political Sociology of Civic Belonging	3	6	SOC 101 Introduction to Sociology (508) (C- and above) OR SOC 115 Global Social Problems (1032) (C- and above) OR SOC 180 Introducing Kazakhstan: from the Past to the Future (5063) (C- and above) OR SOC 201 Social Science Research Methods (1341) (C- and above) OR SOC 301 Classical Sociological Theory (683) (C- and above)			4 year UG SSH Sociology	Anthropology, Sociology	SEDS, SMG, SSH, SoM	
240	SOC 415	Social Problems and Issues in Eurasia	3	6				4 year UG SSH Sociology	Anthropology, Sociology	SEDS, SMG, SSH, SoM	
241	SOC 420	Applied Policy Analysis: Tools and Perspectives	3	6	SOC 101 Introduction to Sociology (508) (C and above)			4 year UG SSH Sociology	Anthropology, Sociology	SEDS, SMG, SSH, SoM	
242	SOC 498	Capstone Seminar Part I	3	6				Instructor's Permission Required. Registration through Add Course form only!			
Sociology and Anthropology, Sociology and Anthropology											
243	ANT 214/SOC 214	Qualitative Methods	3	6				4 year UG SSH Sociology	Anthropology, Sociology		

244	ANT 386/SOC 386	Social Challenges of Climate Change	3	6				5 year UG SEDS, 5 year UG SSH, Anthropology, Sociology	2 year UG SSH	SEDS, SMG, SSH, SoM	
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