Course Requirements and Registration Priorities
Summer 2019

#	Abbr	Title	Cr(US)	Cr(ECTS)	PreRequisite	CoRequisite	AntiRequisite	1st priority registration	2nd priority registration	3rd priority registration	4th priority registration
SHSS											
Economics											
1	ECON 398	General Special Topics in Economics	3	6	ECON 102 Introduction to Macroeconomics (503) (C- and above)			Instructor's Permission Required.			
Kazakh Language and Turkic Studies											
2	KAZ 367	Practical Cultural Kazakh Language	0	0				Instructor's Permission Required			
GSB											
Economics											
3	ECON 498	Advanced Special Topics in Economics	3	6	ECON 201 Intermediate Microeconomics (133) (C- and above) OR ECON 202 Intermediate Macroeconomics (207) (C- and above) OR MATH 322 Mathematical Statistics (1165) (C- and above) OR MATH 321 Probability (482) (C- and above)			Instructor's Permission Required.			
4	ECON 580	Research and Thesis	0	0				Instructor's Permission Required			
GSB											
5	GSBF 542	Global Finance Experience Residency (II)	3	6				For MSc Finance Students Only			
6	MBA 16A	Introduction to Entrepreneurship	1	2							
7	MBA 20A	Internship	6	12							
8	MSF 05	Internship	6	12							
GSPP											
Master in Public Administration											
9	MPA 607	Accountability, Financial and Performance Management	4	8				1 year GSPP Public Administration			
10	MPA 699	Master’s Project with Overseas Component	0	0				1 year GSPP Public Administration			
GSE											
MA in Multilingual Education											

11	EDML 692	Thesis Research III	3	6				2 year GSE MA in Multil.Education			
MSc Educational Leadership HE											
12	EDHE 621	Education Policy Analysis and Development	3	6				1 year GSE Educ.Leadership			
13	EDHE 648	Perspectives on Teacher Education	3	6				1 year GSE Educ.Leadership			
14	EDHE 650	Innovative Research Methods: Answering the Complicated, Contemporary Questions in Higher Education	3	6				1 year GSE Educ.Leadership			
15	EDHE 690	Thesis Seminar I	3	6				Registration by School Office			
16	EDHE 693	Thesis Seminar IV	9	18				2 year GSE Educ.Leadership			
17	EDUC 573	Academic Writing in Kazakh	3	6				1 year GSE Educ.Leadership			
MSc Educational Leadership IE											
18	EDIE 622	Comparative and International Education	3	6				1 year GSE Educ.Leadership			
19	EDIE 624	Psychology of Learning (Children as Learners)	3	6				1 year GSE Educ.Leadership			
20	EDIE 650	Theories of Inclusive Education	3	6				1 year GSE Educ.Leadership			
21	EDIE 690	Thesis Seminar I	3	6				Registration by School Office			
22	EDIE 693	Thesis Seminar IV	9	18				2 year GSE Educ.Leadership			
MSc Educational Leadership SE											
23	EDSE 624	Psychology of Learning (Children as Learners)	3	6				1 year GSE Educ.Leadership			
24	EDSE 630	Professional Identity	3	6				1 year GSE Educ.Leadership			
25	EDSE 632	School Improvement and Effectiveness	3	6				1 year GSE Educ.Leadership			
26	EDSE 633	Curriculum Design and Management	3	6				1 year GSE Educ.Leadership			
27	EDSE 690	Thesis Seminar I	3	6				Registration by School Office			
28	EDSE 693	Thesis Seminar IV	9	18				2 year GSE Educ.Leadership			
Other											
Other											
29	T- 01510302	China Exploration	2	4							
30	T- 215900	Critical Thinking	3	6							

31	T-BE 400LEC	Biomed Eng Special Topics	3	6							
32	T-BIO 498TUT	Undergraduate Research	3	6							
33	T-C&E SOC 248	Envir, Nat Resources & Society	3	6							
34	T-CHE 498TUT	Senior Research	3	6							
35	T-CIE 498TUT	Research/Creative Act	6	12							
36	T-COM ARTS 357	History of Animated Film	3	6							
37	T-CSE 410LR	Special Topics	4	8							
38	T-CSE 474LR	Intro Machine Learning	4	8							
39	T-CSE 498TUT	Ug Research & Creative Act	6	12							
40	T-EAS 360LEC	STEM Communications	3	6							
41	T-ECO 380LEC	Eco. Statistics/Data Analysis	3	6							
42	T-ECON 496	Foundations of International Political Economy	3	6							
43	T-EE 498TUT	Undergrd Research Activity	6	12							
44	T-ENG 256LEC	Film	3	6							
45	T-ENVIR ST 112	Envir St-Social Perspective	3	6							
46	T-HISTORY 245	Chicana and Latina History	3	6							
47	T-INTL BUS 200	International Business	3	6							
48	T-ISYE 313	Engineering Economic Analysis	3	6							
49	T-JMM 570	Politics and Economics of the Free Society	3	6							
50	T-LEGAL ST 131	Criminal Justice in America	3	6							
51	T-LITTRANS 373	Topics in Japanese Lit	3	6							
52	T-MAE 335LR	Fluid Mechanics	3	6							
53	T-MAE 376	Applied Math for MAEs	3	6							

54	T-MGA 201LR	Intro to Financial Accounting	3	6							
55	T-MGO 302LEC	Productn & Operatns Mgmt	3	6							
56	T-PAS 113LLB	Human Anatomy	3	6							
57	T-POLI SCI 401	Selected Topics-Poli Sci	3	6							
58	T-POLI SCI 461	Philos, Poli, & Econ Seminar	3	6							
59	T-PSY 101LEC	Introductory Psychology	3	6							
60	T-SOC 134	Soc of Race & Ethnicity in US	3	6							
61	T-SOC 131	Criminal Justice in America	3	6							
62	T-SOC 211	The Sociological Enterprise	3	6							
63	T-SOC 248	Envir, Nat Resources & Society	3	6							
64	T-THEATRE 150	Acting I: Intro to Acting	3	6							
SoM											
Biological Science											
65	BIOL 399	Biology Internship - 2B	3	6				Instructor's Permission Required.			
66	BIOL 492	Directed Study in Biology	3	6				Instructor's Permission Required.			
SSH											
Academic Success Centre, Communication and Composition											
67	SHSS 150	Rhetoric and Composition	3	6				1 year UG SENG, 1 year UG SHSS, 1 year UG SMG, 1 year UG SST			
Area Studies											
68	EAS 505	Research and Fieldwork Practicum	4	8				Eurasian Studies			
Chemistry											
69	CHEM 102	General Chemistry II	3	6	CHEM 101 General Chemistry I (113) (C and above)			Chemistry	SST	SEng, SHSS, SMG	
70	CHEM 102L	General Chemistry II lab	1	2	CHEM 101L General Chemistry I lab (179) (C and above)	CHEM 102 General Chemistry II (232) (C and above)		Chemistry	SST	SEng, SHSS, SMG	
71	CHEM 189c	Independent Study	3	6				By Instructor Permission's only			
72	CHEM 388	Chemistry Internship	3	6				Instructor's Permission Required.			

History, Philosophy and Religious Studies											
73	HST 100	History of Kazakhstan	3	6				4 year UG SENG, 4 year UG SHSS, 4 year UG SST	3 year UG SENG, 3 year UG SHSS, 3 year UG SST	SEng, SHSS, SMG, SST	
74	HST 399	Independent Study	3	6				Instructor's Permission Required.			
Kazakh Language and Turkic Studies											
75	KAZ 150	Basic Kazakh	3	6	KLL "[A2] Basic"			Instructor's Permission Required			
76	KAZ 201	Academic Kazakh I	3	6	KAZ 150 Basic Kazakh (1215) (C- and above) OR KLL "[B1.2] Intermediate"			4 year UG SENG, 4 year UG SHSS, 4 year UG SST	3 year UG SENG, 3 year UG SHSS, 3 year UG SST	SEng, SHSS, SMG, SST	
77	KAZ 211	Academic Speaking in Kazakh	3	6	KAZ 202 Academic Kazakh II (4562) (C- and above) OR KLL "[C1.1] Advanced"		KAZ 303 Academic Speaking in Kazakh (702) (C- and above) OR KAZ 304 Academic Writing in Kazakh (703) (C- and above)	4 year UG SENG, 4 year UG SHSS, 4 year UG SST	3 year UG SENG, 3 year UG SHSS, 3 year UG SST	SEng, SHSS, SMG, SST	
78	KAZ 313	Kazakh for Business	3	6	KAZ 202 Academic Kazakh II (4562) (C- and above) OR KLL "[C1.1] Advanced"			4 year UG SENG, 4 year UG SHSS, 4 year UG SST	3 year UG SENG, 3 year UG SHSS, 3 year UG SST	SEng, SHSS, SMG, SST	
79	KAZ 349	Kazakh Mythology	3	6	KAZ 202 Academic Kazakh II (4562) (C- and above) OR KLL "[C1.1] Advanced"			4 year UG SENG, 4 year UG SHSS, 4 year UG SST	3 year UG SENG, 3 year UG SHSS, 3 year UG SST	SEng, SHSS, SMG, SST	
80	KAZ 356	Kazakh Music History	3	6	KAZ 202 Academic Kazakh II (4562) (C- and above) OR KLL "[C1.1] Advanced"			4 year UG SENG, 4 year UG SHSS, 4 year UG SST	3 year UG SENG, 3 year UG SHSS, 3 year UG SST	SEng, SHSS, SMG, SST	
81	KAZ 372	Language and ethnicity	3	6	KAZ 202 Academic Kazakh II (4562) (C- and above) OR KLL "[C1.1] Advanced"			4 year UG SENG, 4 year UG SHSS, 4 year UG SST	3 year UG SENG, 3 year UG SHSS, 3 year UG SST	SEng, SHSS, SMG, SST	
82	KAZ 375	Cultural Studies and Kazakh Culture	3	6	KAZ 202 Academic Kazakh II (4562) (C- and above) OR KLL "[C1.1] Advanced"			4 year UG SENG, 4 year UG SHSS, 4 year UG SST	3 year UG SENG, 3 year UG SHSS, 3 year UG SST	SEng, SHSS, SMG, SST	
83	KFL 101	Elementary Kazakh as a Foreign Language I	4	8				Instructor's Permission Required			
84	KFL 102	Elementary Kazakh as a Foreign Language II	4	8	KFL 101 Elementary Kazakh as a Foreign Language I (4889) (C- and above)			Instructor's Permission Required			

Languages, Literature and Linguistics											
85	LING 371	Practicum in Teaching Foreign Languages	2	4				Instructor's Permission Required			
86	RFL 103	Intensive Beginning Russian	4	8				Instructor's Permission Required			
87	RFL 104	Intensive Beginning Russian II	4	8				Instructor's Permission Required			
88	RFL 203	Intensive Intermediate Russian	4	8				Instructor's Permission Required			
89	RFL 204	Intensive Intermediate Russian II	4	8				Instructor's Permission Required			
90	RFL 303	Intensive Advanced Russian	4	8				Instructor's Permission Required			
91	RFL 304	Intensive Advanced Russian II	4	8				Instructor's Permission Required			
92	RFL 403	Intensive Advanced and Superior Composition and Conversation Russian	8	16				Instructor's Permission Required.			
93	RFL 404	Intensive Advanced and Superior Composition and Conversation Russian II	4	8				Instructor's Permission Required.			
94	WLL 399	Independent Study	3	6				Instructor's Permission Required.			
Physics											
95	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)	Biological Sciences, Chemistry	SST	SEng, SHSS, SMG	
96	PHYS 162	Physics II for Scientists and Engineers with Laboratory	4	8	PHYS 161 Physics I for Scientists and Engineers with Laboratory (116) (C- and above) OR PHYS 151 Introductory Physics I with Lab (649) (C- and above)		PHYS 172 Physics II for Physics Majors with Laboratory (1402) (C- and above)	1 year UG SENG, 1 year UG SMG, 1 year UG SST	SEng, SMG, SST	SHSS	
97	PHYS 299	Research project and internship	3	6				Instructor's Permission Required.			
98	PHYS 399	Physics Research Project	3	6				Instructor's Permission Required.			
Political Science and International Relations											
99	PLS 150	Introduction to International Relations	3	6				1 year UG SHSS, Political Science and International Relations	1 year UG SENG, 1 year UG SMG, 1 year UG SST	SEng, SHSS, SMG, SST	

100	PLS 391	Intermediate Special Topics in Comparative Politics	3	6	PLS 210 Political Science Research Methods (129) (C- and above)						
101	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.			
102	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 Persmission Required			
103	PLS 580	Research and Thesis	0	0	Subject "PLS" BETWEEN 500 and 599			Political Science and International Relations			
SSH											
104	SHSS 300	School of Humanities and Social Sciences Internship	3	6				Instructor's Permission Required			
105	SHSS 301	School of Humanities and Social Sciences Internship: Second Experience	3	6				Instructor's Permission Required			
Sociology and Anthropology											
106	ANT 110	Introduction to Sociocultural Anthropology	3	6				1 year UG SHSS, Anthropology, Sociology	SHSS	SEng, SMG, SST	
107	ANT 160	Introduction to Biological Anthropology	3	6			ANT 361 Human Evolution: Bones, Stones and Genomes (160) (C- and above)	1 year UG SHSS, Anthropology, Sociology	SHSS	SEng, SMG, SST	
108	SOC 180	Introducing Kazakhstan: from the Past to the Future	1	2							
SEDS											
School of Engineering											
109	BENG 147	Introduction to Fluid Mechanics and Thermodynamics	3	6	BENG 124 Engineering Mathematics I (101) (D and above)			For Retake only - Registration by School Office			
110	BENG 304	Internship	2	4				Instructor's Persmission Required			
111	BENG 306	Internship	3	6				Instructor's Permission Required			
112	BENG 308	Internship	4	8				Instructor's Permission Required.			
113	BENG 312	Internship	6	12				Instructor's Permission Required			

SoE											
Electrical and Computer Engineering											
114	EEE 487	Intelligent Algorithms for Power Systems	3	6				For Yr4 EEE students ony. Registration by School Office			
SCAI											
Computer Science											
115	CSCI 151	Programming for Scientists and Engineers	4	8			CSCI 111 Web Programming and Problem Solving (110) (D and above) OR CSCI 115 Programming Fundamentals (5257) (D and above) OR ENG 101 Programming for Engineers (4517) (B- and above)	SST	SEng, SMG	SHSS	
116	CSCI 152	Performance and Data Structures	4	8	CSCI 151 Programming for Scientists and Engineers (192) (C- and above)			1 year UG SENG, 1 year UG SMG, 1 year UG SST	SEng, SMG, SST	SHSS	
117	CSCI 299	Internship I	3	6				Instructor's Permission Required.			
118	CSCI 399	Internship II	3	6				Instructor's Permission Required.			
Mathematics											
119	MATH 161	Calculus I	4	8				SHSS	SST	SEng, SMG	
120	MATH 162	Calculus II	4	8	MATH 161 Calculus I (118) (C and above)			1 year UG SENG, 1 year UG SMG, 1 year UG SST	SEng, SMG, SST	SHSS	
121	MATH 399	Internship	3	6				Instructor's Permission Required.			
122	MATH 497	Directed Study in Mathematics	3	6				Instructor's Permission Required.			
Robotics and Mechatronics											
123	ROBT 399	Internship	3	6				Instructor's Permission Required			