Course Requirements and Registration Priorities
Summer 2018

#	Abbr	Title	Cr(US)	Cr(ECTS)	PreRequisite	CoRequisite	AntiRequisite	1st priority registration	2nd priority registration	3rd priority registration	4th priority registration
SHSS											
Kazakh Language and Turkic Studies											
1	KAZ 367	Practical Cultural Kazakh Language	0	0				Through Add form only			
GSB											
Economics											
2	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) OR CSCI 151 Programming for Scientists and Engineers (192) (C- and above) OR CSCI 235 Programming Languages (638) (C- and above) OR CSCI 390 Artificial Intelligence (643) (C- and above) OR MATH 321 Probability (482) (C- and above) OR MATH 322 Mathematical Statistics (1165) (C- and above)			Through Add form only			
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)						
GSB											
4	GSBF 533	Islamic Banking and Finance	2	4							
5	GSBF 542	Global Finance Experience Residency (II)	3	6							
6	MBA 11	Managerial Accounting	2	4							
7	MBA 12	Operations Management	2	4							

8	MBA 18	Financial Statement Analysis	2	4								
9	MBAE 10	Leading Change and Innovation	2	4								
10	MBAE 12	Data Analytics for Business	2	4								
11	MBAE 7	Supply Chain Management	2	4								
GSPP												
Master in Public Administration												
12	MPA 607	Accountability, Financial and Performance Management	4	8								
13	MPA 699	Master's Project with Overseas Component	0	0								
GSE												
MA in Multilingual Education												
14	EDUC 630	Introduction to Linguistics	3	6								
MSc Educational Leadership HE												
15	EDHE 621	Education Policy Analysis and Development	3	6								
16	EDHE 622	Comparative and International Education	3	6								
17	EDHE 641	Organisation and governance in higher education	3	6								
18	EDHE 650	Innovative Research Methods: Answering the Complicated, Contemporary Questions in Higher Education	3	6								
19	EDHE 690	Thesis Seminar I	3	6								
20	EDHE 693	Thesis Seminar IV	9	18								
MSc Educational Leadership IE												
21	EDIE 650	Theories of Inclusive Education	3	6								
22	EDIE 652	Curriculum Design: perspectives on Addressing Barriers to Teaching and Learning (Including SEN)	3	6								
23	EDIE 690	Thesis Seminar I	3	6								
24	EDIE 693	Thesis Seminar IV	9	18								
MSc Educational Leadership SE												
25	EDSE 624	Psychology of Learning (Children as Learners)	3	6								
26	EDSE 630	Professional Identity	3	6								
27	EDSE 636	Preparing Children for the Future: Skills and Employability	3	6								
28	EDSE 637	Student Discourse and Argumentation: Theories, Practices and Policies	3	6								
29	EDSE 690	Thesis Seminar I	3	6								

30	EDSE 693	Thesis Seminar IV	9	18								
Other												
Other												
31	T-53 748	Migrations-und Diasporaforschung im Kaukasus und Zentralasien	4	8								
32	T-AHS 181	Discovering Anthropology	3	6								
33	T-BIO 498TUT	Undergraduate Research	3	6								
34	T-CE 400LEC	Special Topics	3	6								
35	T-CHE 498TUT	Senior Research	3	6								
36	T-CIE 308	Engineering Statistics	3	6								
37	T-CIE 435	Foundation Engineering	3	6								
38	T-CLASSICS 370	Classical Mythology	3	6								
39	T-COM ARTS 345	Online Comm & Personal Rltnshp	3	6								
40	T-COM ARTS 346	Critical Internet Studies	3	6								
41	T-CSE 331LR	Intro to Algorithms	4	8								
42	T-EAS 360LEC	STEM Communications	3	6								
43	T-ECO 2015LEC	Money & Banking	3	6								
44	T-ECO 405LEC	Microeconomic Theory	3	6								
45	T-ECO 407SEM	Macroeconomic Theory	3	6								
46	T-EE 498TUT	Undergrd Research Activity	6	12								
47	T-INTL BUS 200	International Business	3	6								
48	T-ISSU 1064	Quantitative Finance: Maths in Investment	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-MAE 338LAB	MAE Lab II	2	4								
52	T-MAE 376	Applied Math for MAEs	3	6								

53	T-MBA 100	Communication and Conflict Management	3	6							
54	T-MBA 101	Information, Knowledge, Creativity	3	6							
55	T-MBA 102	Project Finance, Procurement, Legal Aspects	3	6							
56	T-MBA 103	Change Management = Program and Portfolio Management	3	6							
57	T-MGA 201LR	Intro to Financial Accounting	3	6							
58	T-PHILOS 243	Ethics in Business	3	6							
59	T-PHILOS 304	Philosophy and Feminism	3	6							
60	T-PKM 001	Parallel Kinematic Manipulators	2.5	5							
61	T-POLI SCI 401	Intn Development & Cooperation	3	6							
62	T-PSY 101LEC	Introductory Psychology	3	6							
63	T-PSY 331LEC	Social Psychology	3	6							
64	T-RELIG ST 173	Consuming Happiness	3	6							
65	T-SOC 134	Am Racial & Ethnic Minorities	3	6							
66	T-SOC 131	Criminal Justice in America	3	6							
67	T-SOC 138	The Sociology of Gender	3	6							
68	T-SOC 307LEC	Criminology	3	6							
SoM											
Biological Science											
69	BIOL 399	Biology Internship - 2B	3	6				Through Add form only			
70	BIOL 492	Directed study in Biology	3	6				Through Add form only			
SSH											
Area Studies											
71	EAS 505	Research and Fieldwork Practicum	4	8				1 year Gr SHSS Eurasian Studies			
Chemistry											
72	CHEM 102	General Chemistry II	3	6	CHEM 101 General Chemistry I (113) (C and above)			Chemistry	SST	SHSS	

73	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	SHSS	
74	CHEM 189c	Independent Study	3	6				Through Add form only			
75	CHEM 388	Chemistry Internship	3	6				Through Add form only			
Communication and Composition											
76	COMM 439	Special Topics in Media	3	6							
History, Philosophy and Religious Studies											
77	HST 100	History of Kazakhstan	3	6				4 year UG SENG, 4 year UG SHSS, 4 year UG SST	SEng, SHSS, SST		
78	HST 399	Independent Study	3	6							
79	PHIL 124	Knowledge and Reality	3	6				SEng, SHSS, SST			
80	PHIL 223	Philosophy of Science	3	6				SEng, SHSS, SST			
Kazakh Language and Turkic Studies											
81	KAZ 100	Elementary Kazakh	3	6							
82	KAZ 101	Basic Kazakh I	3	6	KLL "[A2] Basic"						
83	KAZ 111	Intermediate Kazakh I	3	6	KLL "[B1.2] Intermediate"						
84	KAZ 211	Kazakh Rhetoric	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)	SEng, SHSS, SST			
85	KAZ 313	Kazakh for Business	3	6	KAZ 202 Academic Kazakh II (4562) (C- and above) OR KLL "[C1.1] Advanced"			SEng, SHSS, SST			
Languages, Literature and Linguistics											
86	RFL 103	Intensive Beginning Russian	4	8				Through Add form only			
87	RFL 104	Intensive Beginning Russian II	4	8							
88	RFL 203	Intensive Intermediate Russian	4	8				Through Add form only			
89	RFL 204	Intensive Intermediate Russian II	4	8							
90	RFL 303	Intensive Advanced Russian	4	8				Through Add form only			
91	RFL 304	Intensive Advanced Russian II	4	8							

92	SPA 101	Beginning Spanish I	4	8				SEng, SHSS, SST			
93	WLL 370	Methods of Teaching Foreign Languages	3	6				Through Add form only			
94	WLL 371	Practicum in Teaching Foreign Languages	2	4				Through Add form only			
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	SHSS	
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)	Physics	SST	SHSS	
97	PHYS 299	Research project and internship	3	6				Through Add form only			
98	PHYS 399	Physics Research Project	3	6				Through Add form only			
99	PHYS 491	Directed Study of Advanced Physics Topics	3	6				Through Add form only			
Political Science and International Relations											
100	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)						
101	PLS 451	Advanced Topics 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)						
102	PLS 580	Research and Thesis	0	0	Subject "PLS" BETWEEN 500 and 599						
SSH											
103	SHSS 300	School of Humanities and Social Sciences Internship	3	6				Through Add form only			
104	SHSS 301	School of Humanities and Social Sciences Internship: Second Experience	3	6				Through Add form only			

Sociology and Anthropology											
105	SOC 101	Introduction to Sociology	3	6				2 year UG SST Biological Sciences, 3 year UG SST Biological Sciences, Anthropology, Sociology	SEng, SHSS, SST		
SEDS											
School of Engineering											
106	BENG 117	Engineering Mechanics	3	6				Course registered by School Office			
107	BENG 302	Internship	1	2				Through Add form only			
108	BENG 304	Internship	2	4				Through Add form only			
109	BENG 306	Internship	3	6				Through Add form only			
110	BENG 308	Internship	4	8				Through Add form only			
111	BENG 310	Internship	5	10				Through Add form only			
112	BENG 312	Internship	6	12				Through Add form only			
SoE											
Electrical and Computer Engineering											
113	EEE 342	Electromagnetics	3	6							
Mechanical and Aerospace Engineering											
114	EME 254	Mechanics of Materials	3	6							
SCAI											
Computer Science											
115	CSCI 152	Performance and Data Structures	4	8	CSCI 151 Programming for Scientists and Engineers (192) (C- and above)			Computer Science	SST	SHSS	
116	CSCI 299	Internship I	3	6				Through Add form only			
117	CSCI 398	Directed Study	3	6				Through Add form only			
118	CSCI 399	Internship II	3	6				Through Add form only			
119	CSCI 408	Senior Project I	3	6				Through Add form only			
Mathematics											
120	MATH 161	Calculus I	4	8				SHSS	SST		

121	MATH 162	Calculus II	4	8	MATH 161 Calculus I (118) (C and above)			SST	SHSS		
122	MATH 274	Introduction to Differential Equations	3	6	MATH 162 Calculus II (170) (C and above)			SST	SHSS		
123	MATH 399	Internship	3	6				Through Add form only			
Robotics and Mechatronics											
124	ROBT 399	Internship	3	6				Through Add form only			