

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
GSB											
GSB											
1	GSBF 542	Global Finance Experience Residency (II)	3	6				For MSc Finance Students Only			
2	MBA 16A	Introduction to Entrepreneurship	1	2							
3	MBA 20A	Internship	6	12							
4	MSF 05	Internship	6	12							
GSP											
GSP											
5	MPA 607	Accountability, Financial and Performance Management	4	8				1 year GSP Public Administration			
6	MPA 699	Master's Project with Overseas Component	0	0				1 year GSP Public Administration			
GSE											
GSE											
7	EDHE 621	Education Policy Analysis and Development	3	6				1 year GSE Educ.Leadership			
8	EDHE 648	Perspectives on Teacher Education	3	6				1 year GSE Educ.Leadership			
9	EDHE 650	Innovative Research Methods: Answering the Complicated, Contemporary Questions in Higher Education	3	6				1 year GSE Educ.Leadership			
10	EDHE 690	Thesis Seminar I	3	6				Registration by School Office			
11	EDHE 693	Thesis Seminar IV	9	18				2 year GSE Educ.Leadership			
12	EDIE 622	Comparative and International Education	3	6				1 year GSE Educ.Leadership			
13	EDIE 624	Psychology of Learning (Children as Learners)	3	6				1 year GSE Educ.Leadership			
14	EDIE 650	Theories of Inclusive Education	3	6				1 year GSE Educ.Leadership			
15	EDIE 690	Thesis Seminar I	3	6				Registration by School Office			
16	EDIE 693	Thesis Seminar IV	9	18				2 year GSE Educ.Leadership			

17	EDML 692	Thesis Research III	3	6				2 year GSE MA in Multil.Education			
18	EDSE 624	Psychology of Learning (Children as Learners)	3	6				1 year GSE Educ.Leadership			
19	EDSE 630	Professional Identity	3	6				1 year GSE Educ.Leadership			
20	EDSE 632	School Improvement and Effectiveness	3	6				1 year GSE Educ.Leadership			
21	EDSE 633	Curriculum Design and Management	3	6				1 year GSE Educ.Leadership			
22	EDSE 690	Thesis Seminar I	3	6				Registration by School Office			
23	EDSE 693	Thesis Seminar IV	9	18				2 year GSE Educ.Leadership			
24	EDUC 573	Academic Writing in Kazakh	3	6				1 year GSE Educ.Leadership			
Other											
Other											
25	STUMOB 001	Student Mobility Course	0	0							
26	T- 01510302	China Exploration	2	4							
27	T- 215900	Critical Thinking	3	6							
28	T-BE 400LEC	Biomed Eng Special Topics	3	6							
29	T-BIO 498TUT	Undergraduate Research	3	6							
30	T-C&E SOC 248	Envir, Nat Resources & Society	3	6							
31	T-CHE 498TUT	Senior Research	3	6							
32	T-CIE 498TUT	Research/Creative Act	6	12							
33	T-COM ARTS 357	History of Animated Film	3	6							
34	T-CSE 410LR	Special Topics	4	8							
35	T-CSE 474LR	Intro Machine Learning	4	8							
36	T-CSE 498TUT	Ug Research & Creative Act	6	12							
37	T-EAS 360LEC	STEM Communications	3	6							
38	T-ECO 380LEC	Eco. Statistics/Data Analysis	3	6							

39	T-ECON 496	Foundations of International Political Economy	3	6							
40	T-EE 498TUT	Undergrd Research Activity	6	12							
41	T-ENG 256LEC	Film	3	6							
42	T-ENVIR ST 112	Envir St-Social Perspective	3	6							
43	T-HISTORY 245	Chicana and Latina History	3	6							
44	T-INTL BUS 200	International Business	3	6							
45	T-ISYE 313	Engineering Economic Analysis	3	6							
46	T-JMM 570	Politics and Economics of the Free Society	3	6							
47	T-LEGAL ST 131	Criminal Justice in America	3	6							
48	T-LITTRANS 373	Topics in Japanese Lit	3	6							
49	T-MAE 335LR	Fluid Mechanics	3	6							
50	T-MAE 376	Applied Math for MAEs	3	6							
51	T-MGA 201LR	Intro to Financial Accounting	3	6							
52	T-MGO 302LEC	Productn & Operatns Mgmt	3	6							
53	T-PAS 113LLB	Human Anatomy	3	6							
54	T-POLI SCI 401	Selected Topics-Poli Sci	3	6							
55	T-POLI SCI 461	Philos, Poli, & Econ Seminar	3	6							
56	T-PSY 101LEC	Introductory Psychology	3	6							
57	T-SOC 134	Soc of Race & Ethnicity in US	3	6							
58	T-SOC 131	Criminal Justice in America	3	6							
59	T-SOC 211	The Sociological Enterprise	3	6							
60	T-SOC 248	Envir, Nat Resources & Society	3	6							
61	T-THEATRE 150	Acting I: Intro to Acting	3	6							

Area Studies										
62	EAS 505	Research and Fieldwork Practicum	4	8				Eurasian Studies		
Biological Science										
63	BIOL 399	Biology Internship	3	6				Instructor's Permission Required.		
64	BIOL 492	Directed Study in Biology	3	6				Instructor's Permission Required.		
Chemistry										
65	CHEM 102	General Chemistry II	3	6	CHEM 101 General Chemistry I (113) (C and above)			Chemistry	SST	SEng, SHSS, SMG
66	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
67	CHEM 189c	Independent Study	3	6				By Instructor Permission's only		
68	CHEM 388	Chemistry Internship	3	6				Instructor's Permission Required.		
Communication and Composition										
69	SHSS 300	SHSS Internship	3	6				Instructor's Permission Required		
70	SHSS 301	SHSS Internship Second Experience	3	6				Instructor's Permission Required		
71	WCS 150	Rhetoric and Composition	3	6				1 year UG SENG, 1 year UG SHSS, 1 year UG SMG, 1 year UG SST		
Economics										
72	ECON 398	General Special Topics in Economics	3	6	ECON 102 Introduction to Macroeconomics (503) (C- and above)			Instructor's Permission Required.		
73	ECON 498	Advanced Special Topics in Economics	3	6	ECON 201 Intermediate Microeconomics (133) (C- and above) AND ECON 202 Intermediate Macroeconomics (207) (C- and above)			Instructor's Permission Required.		
74	ECON 580	Research and Thesis	0	0				Instructor's Permission Required		
History, Philosophy and Religious Studies										
75	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
76	HST 399	Independent Study	3	6				Instructor's Permission Required.		

Kazakh Language and Turkic Studies

77	KAZ 150	Basic Kazakh	3	6	KLL "Basic"			Instructor's Permission Required			
78	KAZ 201	Academic Kazakh I	3	6	KLL "Basic" OR KLL "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	
79	KAZ 211	Academic Speaking in Kazakh	3	6	KAZ 201 Academic Kazakh I (4561) (C- and above) OR KLL "Upper-Intermediate" OR KLL "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 313	Kazakh for Business	3	6	KLL "Advanced" OR KLL "Upper-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	
81	KAZ 349	Kazakh Mythology	3	6	KAZ 202 Academic Kazakh II (4562) (C- and above) OR KLL "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 356	Kazakh Music History	3	6	KLL "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	KAZ 367	Practical Cultural Kazakh Language	0	0				Instructor's Permission Required			
84	KAZ 372	Language and ethnicity	3	6	KLL "Advanced" OR KAZ 211 Academic Speaking in Kazakh (702) (C- and above) OR KAZ 212 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	
85	KAZ 375	Cultural Studies and Kazakh Culture	3	6	KLL "Advanced" OR KAZ 202A Kazakh Literature 2/K(C) (228) (C- and above) OR KAZ 211 Academic Speaking in Kazakh (702) (C- and above) OR KAZ 212 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	
86	KFL 101	Elementary Kazakh as a Foreign Language I	4	8				Instructor's Permission Required			
87	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											
88	LING 371	Practicum in Teaching Foreign Languages	2	4				Instructor's Permission Required			

89	RFL 103	Beginning Russian	4	8				Instructor's Permission Required			
90	RFL 104	Beginning Russian II	4	8				Instructor's Permission Required			
91	RFL 203	Intermediate Russian	4	8				Instructor's Permission Required			
92	RFL 204	Intermediate Russian II	4	8				Instructor's Permission Required			
93	RFL 303	Advanced Russian	4	8				Instructor's Permission Required			
94	RFL 304	Advanced Russian II	4	8				Instructor's Permission Required			
95	RFL 403	Advanced and Superior Composition and Conversation Russian	4	8				Instructor's Permission Required.			
96	RFL 404	Advanced and Superior Composition and Conversation Russian II	4	8				Instructor's Permission Required.			
97	WLL 399	Independent Study	3	6				Instructor's Permission Required.			
Mathematics											
98	MATH 161	Calculus I	4	8				SHSS	SST	SEng, SMG	
99	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	
100	MATH 399	Internship	3	6				Instructor's Permission Required.			
101	MATH 497	Directed Study in Mathematics I	3	6				Instructor's Permission Required.			
Physics											
102	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	
103	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	
104	PHYS 299	Research project and internship	3	6				Instructor's Permission Required.			
105	PHYS 399	Physics Research Project	3	6				Instructor's Permission Required.			
Political Science and International Relations											

106	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	
107	PLS 391	Intermediate Special Topics in Comparative Politics	3	6	PLS 210 Political Science Research Methods (129) (C- and above)						
108	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.			
109	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			
110	PLS 596	Thesis Preparation	2	4	PLS 540 Core Seminar in Comparative Politics (1374) (C+ and above) OR PLS 550 Core Seminar in IR (1372) (C+ and above) AND PLS 511 Advanced Research I (1631) (C+ and above)			Political Science and International Relations			
Sociology and Anthropology											
111	ANT 101	Introduction to Sociocultural Anthropology	3	6				1 year UG SHSS, Anthropology, Sociology	SHSS	SEng, SMG, SST	
112	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	
113	SOC 180	Introducing Kazakhstan: from the Past to the Future	1	2							
SEDS											
Computer Science											
114	CSCI 151	Programming for Scientists and Engineers	4	8			ROBT 102 Programming for robotics and physics (188) (C- and above) OR CSCI 150 Fundamentals of Programming (1501) (C- and above)	SST	SEng, SMG	SHSS	

115	CSCI 152	Performance and Data Structures	4	8	CSCI 151 Programming for Scientists and Engineers (192) (C- and above) OR CSCI 150 Fundamentals of Programming (1501) (C- and above) OR CSCI 261 Object Oriented Programming with Java I (171) (C- and above) OR ROBT 102 Programming for robotics and physics (188) (C- and above)			1 year UG SENG, 1 year UG SMG, 1 year UG SST	SEng, SMG, SST	SHSS	
116	CSCI 299	Internship I	3	6				Instructor's Permission Required.			
117	CSCI 399	Internship II	3	6				Instructor's Permission Required.			
Electrical and Electronic Engineering											
118	EEE 487	Intelligent Algorithms for Power Systems	3	6				For Yr4 EEE students only. Registration by School Office			
Robotics and Mechatronics											
119	ROBT 399	Internship	3	6				Instructor's Permission Required			
School of Engineering											
120	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			
121	BENG 304	Internship	2	4				Instructor's Permission Required			
122	BENG 306	Internship	3	6				Instructor's Permission Required			
123	BENG 308	Internship	4	8				Instructor's Permission Required.			
124	BENG 312	Internship	6	12				Instructor's Permission Required			