Course Requirements and Registration Priorities
Summer 2020

#	Abbr	Title	Cr(US)	Cr(ECTS)	PreRequisite	CoRequisite	AntiRequisite	1st priority registration	2nd priority registration	3rd priority registration	4th priority registration
GSB											
Economics											
1	ECON 580	Research and Thesis	0	0				Economics			
GSB											
2	GSBF 514	Corporate Finance	2	4				Registration by School Administration			
3	MBA 20A	Internship	6	12				Registration by School Admin only			
4	MSF 05	Internship	6	12				Registration by School Admin only			
5	MSF 07	Economic Policy in Global Markets	2	4				Registration by School Administration			
GSPP											
Master in Public Administration											
6	MPA 607	Accountability, Financial and Performance Management	4	8				1 year GSPP Public Administration			
PhD in Public Policy											
7	DPP 600	Developing Dissertation Research	0	0				Instructor's Permission Required. Registration through Add Course form only!			
GSE											
MA in Multilingual Education											
8	EDML 692	Thesis Research III	3	6				2 year GSE MA in Multil.Education			
MSc Educational Leadership HE											
9	EDHE 622	Comparative and International Education	3	6				1 year GSE Educ.Leadership			
10	EDHE 641	Organisation and governance in higher education	3	6				1 year GSE Educ.Leadership			
11	EDHE 642	Globalisation and higher education	3	6				1 year GSE Educ.Leadership			
12	EDHE 650	Innovative Research Methods: Answering the Complicated, Contemporary Questions in Higher Education	3	6				1 year GSE Educ.Leadership			
13	EDHE 690	Thesis Seminar I	3	6				1 year GSE Educ.Leadership			

14	EDHE 693	Thesis Seminar IV	9	18				2 year GSE Educ.Leadership			
15	EDUC 573	Academic Writing in Kazakh	3	6				1 year GSE Educ.Leadership			
MSc Educational Leadership IE											
16	EDIE 622	Comparative and International Education	3	6				1 year GSE Educ.Leadership			
17	EDIE 624	Psychology of Learning (Children as Learners)	3	6				1 year GSE Educ.Leadership			
18	EDIE 650	Theories of Inclusive Education	3	6				1 year GSE Educ.Leadership			
19	EDIE 657	Leading Inclusive Education for Culturally and Linguistically Diverse Learners	3	6				1 year GSE Educ.Leadership			
20	EDIE 690	Thesis Seminar I	3	6				1 year GSE Educ.Leadership			
21	EDIE 693	Thesis Seminar IV	9	18				2 year GSE Educ.Leadership			
MSc Educational Leadership SE											
22	EDSE 630	Professional Identity	3	6				1 year GSE Educ.Leadership			
23	EDSE 633	Curriculum Design and Management	3	6				1 year GSE Educ.Leadership			
24	EDSE 634	Assessment: Theories, policies, practices	3	6				1 year GSE Educ.Leadership			
25	EDSE 635	Leading Multilingual Education in Schools	3	6				1 year GSE Educ.Leadership			
26	EDSE 690	Thesis Seminar I	3	6				1 year GSE Educ.Leadership			
27	EDSE 693	Thesis Seminar IV	9	18				2 year GSE Educ.Leadership			
SoM											
Biological Science											
28	BIOL 492	Directed Study in Biology	3	6				Instructor's Permission Required. Registration through Add Course form only!			
29	BIOL 599	Master’s Thesis Research	0	0				Biological Sciences			
30	BIOL 800-0	Thesis Research	0	0				Instructor's Permission Required. Registration through Add Course form only!			
SSH											
Academic Success Centre, Communication and Composition											

31	WCS 150	Rhetoric and Composition	3	6				2 year UG SEDS, 2 year UG SMG, 2 year UG SSH	1 year UG SEDS, 1 year UG SMG, 1 year UG SOM, 1 year UG SSH	SEDS, SMG, SSH, SoM	
Area Studies											
32	EAS 505	Research and Fieldwork Practicum	4	8				Eurasian Studies			
33	EAS 800-0	Dissertation Research in Eurasian Studies	0	0				Instructor's Permission Required. Registration through Add Course form only!			
Chemistry											
34	CHEM 102	General Chemistry II	3	6	CHEM 101 General Chemistry I (113) (C and above)			Chemistry	Biological Sciences, Computer Science, Mathematics, Physics, Robotics and Mechatronics	SEDS, SMG, SSH, SoM	
History, Philosophy and Religious Studies											
35	HST 100	History of Kazakhstan	3	6				4 year UG SEDS, 4 year UG SMG, 4 year UG SSH	3 year UG SEDS, 3 year UG SMG, 3 year UG SSH	SEDS, SMG, SSH, SoM	
36	HST 399	Independent Study	3	6				Instructor's Permission Required. Registration through Add Course form only!			
37	PHIL 210	Ethics	3	6				2 year UG SEDS, 2 year UG SMG, 2 year UG SSH	1 year UG SEDS, 1 year UG SMG, 1 year UG SOM, 1 year UG SSH	SSH	
Kazakh Language and Turkic Studies											
38	KAZ 150	Basic Kazakh	3	6	KLL "[A2] Basic"			Instructor's Permission Required. Registration through Add Course form only!			
39	KAZ 201	Academic Kazakh I	3	6	KAZ 150 Basic Kazakh (1215) (C- and above) OR KLL "[B1.2] Intermediate"			Instructor's Permission Required. Registration through Add Course form only!			
40	KAZ 202	Academic Kazakh II	3	6	KAZ 201 Academic Kazakh I (4561) (C- and above) OR KLL "[B2.2] Upper-Interm."			Instructor's Permission Required. Registration through Add Course form only!			
Languages, Literature and Linguistics											

41	LING 373	Advanced Topics in Linguistics	3	6	LING 131 Introduction to Linguistics (1394) (C- and above)						
42	WLL 399	Independent Study	3	6				Instructor's Permission Required. Registration through Add Course form only!			
Physics											
43	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 SOM, 1 year UG SSH	SEDS, SMG, SSH, SoM		
44	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 SEDS, 1 year UG SMG, 1 year UG SOM, 1 year UG SSH	SEDS, SMG, SSH, SoM		
45	PHYS 299	Research project and internship	3	6				Instructor's Permission Required. Registration through Add Course form only!			
46	PHYS 399	Physics Research Project	3	6				Instructor's Permission Required. Registration through Add Course form only!			
47	PHYS 600	Thesis Research	0	0				Instructor's Permission Required. Registration through Add Course form only!			
48	PHYS 700-0	Thesis Research	0	0				Instructor's Permission Required. Registration through Add Course form only!			
Political Science and International Relations											
49	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!			

50	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!			
51	PLS 597	Research for Thesis	6	12				Political Science and International Relations			
SSH											
52	SSH 398	Independent Study	1	2				Instructor's Permission Required. Registration through Add Course form only!			
Sociology and Anthropology											
53	ANT 404	Research Assistance in Anthropology	3	6				Instructor's Permission Required. Registration through Add Course form only!			
SEDS											
School of Engineering											
54	BENG 304	Internship	2	4				Instructor's Permission Required. Registration through Add Course form only!			
55	BENG 306	Internship	3	6				Instructor's Permission Required. Registration through Add Course form only!			
56	BENG 312	Internship	6	12				Instructor's Permission Required. Registration through Add Course form only!			
SoE											
Chemical and Materials Engineering											
57	CHME 202	Fluid Mechanics	3	6				Instructor's Permission Required. Registration through Add Course form only!			
58	DCHME 700-0	Thesis Research	0	0				Instructor's Permission Required. Registration through Add Course form only!			
Civil and Environmental Engineering											
59	DCEE 700-0	Thesis Research	0	0				Instructor's Permission Required. Registration through Add Course form only!			
60	ECE 481	Individual Research Projects in Civil Engineering	3	6				Instructor's Permission Required. Registration through Add Course form only!			
Electrical and Computer Engineering											
61	DELCE 700-0	Thesis Research	0	0				Instructor's Permission Required. Registration through Add Course form only!			

62	EEE 411	Special Topics in Signal Processing	3	6				Instructor's Permission Required. Registration through Add Course form only!			
63	EEE 488	Numerical Optimization Techniques and Computer Applications	3	6				Instructor's Permission Required. Registration through Add Course form only!			
Mechanical and Aerospace Engineering											
64	DMAE 700-0	Thesis Research	0	0				Instructor's Permission Required. Registration through Add Course form only!			
65	EME 357	Fluid Mechanics II	3	6				Instructor's Permission Required. Registration through Add Course form only!			
Mining Engineering											
66	MINE 890-0	Thesis Research	0	0				Instructor's Permission Required. Registration through Add Course form only!			
Petroleum Engineering											
67	PETE 890-0	Thesis Research	0	0				Instructor's Permission Required. Registration through Add Course form only!			
SCAI											
Computer Science											
68	CSCI 152	Performance and Data Structures	4	8	CSCI 151 Programming for Scientists and Engineers (192) (C- and above)			Computer Science, Mathematics, Physics, Robotics and Mechatronics	SSH	SEDS, SMG, SoM	
69	CSCI 299	Internship I	3	6				Instructor's Permission Required. Registration through Add Course form only!			
70	CSCI 398	Directed Study	3	6				Instructor's Permission Required. Registration through Add Course form only!			
71	CSCI 399	Internship II	3	6				Instructor's Permission Required. Registration through Add Course form only!			
72	CSCI 399A	Internship II - A	1	2				Instructor's Permission Required. Registration through Add Course form only!			
73	CSCI 700-0	Thesis Research	0	0				Instructor's Permission Required. Registration through Add Course form only!			
Mathematics											
74	MATH 161	Calculus I	4	8				SEDS, SMG, SSH, SoM			

75	MATH 162	Calculus II	4	8	MATH 161 Calculus I (118) (C and above)			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	
76	MATH 399	Internship	3	6				Instructor's Permission Required. Registration through Add Course form only!			
77	MATH 497	Directed Study in Mathematics I	3	6				Instructor's Permission Required. Registration through Add Course form only!			
78	MATH 599	Thesis Research Preparation	0	0				Instructor's Permission Required. Registration through Add Course form only!			
79	MATH 700-0	Thesis Research	0	0				Instructor's Permission Required. Registration through Add Course form only!			
Robotics and Mechatronics											
80	ROBT 399	Internship	3	6				Instructor's Permission Required. Registration through Add Course form only!			
81	ROBT 700-0	Thesis Research	0	0				Instructor's Permission Required. Registration through Add Course form only!			