

**Course Requirements and Registration Priorities
School of Sciences and Humanities (PhD), Fall 2022**

#	Abbr	Title	Cr(US)	Cr(ECTS)	PreRequisite	CoRequisite	AntiRequisite	1st priority registration	2nd priority registration	3rd priority registration	4th priority registration
SSH											
Area Studies											
1	EAS 700	Introduction to Eurasia	4	8				Eurasian Studies	GSB, GSE, GSPP, SEDS, SMG, SSH, SoM		
2	EAS 701	Critical Issues in Eurasian Studies	2	4				Eurasian Studies	GSB, GSE, GSPP, SEDS, SMG, SSH, SoM		
3	EAS 702	Elective in Eurasian Humanities	4	8				Instructor's Permission Required. Registration through Add Course form only!			
4	EAS 703	Elective in Eurasian Social Sciences	4	8				Instructor's Permission Required. Registration through Add Course form only!			
5	EAS 704	Elective 2 in Eurasian Humanities	4	8				Instructor's Permission Required. Registration through Add Course form only!			
6	EAS 705	Elective 2 in Social Sciences	4	8				Instructor's Permission Required. Registration through Add Course form only!			
7	EAS 708	Proseminar in Eurasian Humanities	4	8				Instructor's Permission Required. Registration through Add Course form only!			
8	EAS 710	Independent Study in Eurasian Studies	4	8							
9	EAS 711	Doctoral Seminar in Eurasian Studies I	4	8				Eurasian Studies	GSB, GSE, GSPP, SEDS, SMG, SoM		
10	EAS 800-0	Dissertation Research in Eurasian Studies	0	0				Eurasian Studies	GSB, GSE, GSPP, SEDS, SMG, SoM		
Biological Science											
11	BIOL 800-0	Thesis Research	0	0				Life Sciences			
12	BIOL 820	Statistical Methods in Life Sciences	3	6				Biomedical Sciences, Life Sciences	GSB, GSE, GSPP, SEDS, SMG, SoM		
13	BIOL 831	Synthetic Biology	4	8				Biomedical Sciences, Life Sciences	GSB, GSE, GSPP, SEDS, SMG, SoM		
14	BIOL 832	Drug Discovery and Design	4	8				Biomedical Sciences, Life Sciences	GSB, GSE, GSPP, SEDS, SMG, SoM		

15	BIOL 834	Advanced Cancer Biology	4	8				Biomedical Sciences, Life Sciences	GSB, GSE, GSPP, SEDS, SMG, SoM		
16	BIOL 850	Structural and Molecular Biology in Health and Disease	4	8				Biomedical Sciences, Life Sciences	GSB, GSE, GSPP, SEDS, SMG, SoM		
17	BIOL 860	Molecular Biology of Prokaryotic Cells	4	8				Biomedical Sciences, Life Sciences	GSB, GSE, GSPP, SEDS, SMG, SoM		
Chemistry											
18	CHEM 700	Hot Topics in Chemistry	4	8				Chemistry	GSB, GSE, GSPP, SEDS, SMG, SoM		
19	CHEM 711	Polymer Chemistry	4	8				Chemistry	GSB, GSE, GSPP, SEDS, SMG, SoM		
20	CHEM 720	Spectrochemical Methods of analysis	4	8				Chemistry	GSB, GSE, GSPP, SEDS, SMG, SoM		
21	CHEM 722	Advanced Environmental Chemistry	4	8				Chemistry	GSB, GSE, GSPP, SEDS, SMG, SoM		
22	CHEM 730	Chemical Thermodynamics and Kinetics	4	8				Chemistry	GSB, GSE, GSPP, SEDS, SMG, SoM		
23	CHEM 750	Modern Inorganic Chemistry	4	8				Chemistry	GSB, GSE, GSPP, SEDS, SMG, SoM		
24	CHEM 798-0	Thesis Research	0	0							
Communication and Composition											
25	WCS 730	From Genre to Style and Back: Writing for PhD Students	4	8				Instructor's Permission Required. Registration through Add Course form only!			
Kazakh Language and Turkic Studies											
26	TUR 775	Doctoral Topic in Turkic Studies	4	8				Instructor's Permission Required. Registration through Add Course form only!			
Mathematics											
27	MATH 700-0	Thesis Research	0	0				Mathematics	SEDS, SSH	GSB, GSE, GSPP, SMG, SoM	
28	MATH 701	Real Analysis	4	8				Mathematics	SEDS, SSH	GSB, GSE, GSPP, SMG, SoM	
29	MATH 721	Nonlinear Differential Equations with Applications	4	8				Mathematics	SEDS, SSH	GSB, GSE, GSPP, SMG, SoM	
30	MATH 722	Advanced Partial Differential Equations	4	8	MATH 701 Real Analysis (5489) (B and above)			Mathematics	SEDS, SSH	GSB, GSE, GSPP, SMG, SoM	
Physics											
31	PHYS 700-0	Thesis Research	0	0				Physics			

32	PHYS 705	Classical Mechanics	4	8				SEDS, SSH			
33	PHYS 711	Computational Modeling and Simulation	4	8				SEDS, SSH			
34	PHYS 715	Classical Electrodynamics	4	8				SEDS, SSH			
35	PHYS 730	Solid State Physics	4	8				SEDS, SSH			
36	PHYS 750	Advanced Mathematical Physics	4	8				SEDS, SSH			