

**Course Requirements and Registration Priorities
School of Sciences and Humanities (PhD), Fall 2019**

#	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	GSE, GSP, GSPP, SEDS, SMG, SSH, SoM		
2	EAS 701	Critical Issues in Eurasian Studies	2	4				Eurasian Studies	GSE, GSP, GSPP, SEDS, SMG, SSH, SoM		
3	EAS 702	Elective in Eurasian Humanities	4	8							
4	EAS 703	Elective in Eurasian Social Sciences	4	8							
Biological Science											
5	BIOL 800-0	Thesis Research	0	0				1 year PhD SEDS Science, Engineering and Technology	SSH	GSE, GSPP, SEDS, SMG	
6	BIOL 820	Statistical Methods in Life Sciences	3	6				1 year PhD SEDS Science, Engineering and Technology	SSH	GSE, GSPP, SEDS, SMG	
7	BIOL 831	Synthetic Biology	4	8				1 year PhD SEDS Science, Engineering and Technology	SSH	GSE, GSPP, SEDS, SMG	
8	BIOL 832	Drug Discovery and Design	4	8				1 year PhD SEDS Science, Engineering and Technology	SSH	GSE, GSPP, SEDS, SMG	
9	BIOL 850	Structural and Molecular Biology in Health and Disease	4	8				1 year PhD SEDS Science, Engineering and Technology	SSH	GSE, GSPP, SEDS, SMG	
Communication and Composition											
10	WCS 730	From Genre to Style and Back: Writing for PhD Students	4	8				Instructor's Permission Required			
Kazakh Language and Turkic Studies											
11	TUR 775	Doctoral Topic in Turkic Studies	4	8							
Languages, Literature and Linguistics											
12	LING 772	Language Ideologies	4	8							
Mathematics											
13	MATH 700-0	Thesis Research	0	0							
14	MATH 714	Advanced Operations Research	4	8				1 year PhD SEDS Science, Engineering and Technology	SEDS, SSH	GSE, GSPP, SMG, SoM	
15	MATH 740	Advanced Statistical Learning	4	8				1 year PhD SEDS Science, Engineering and Technology	SEDS, SSH	GSE, GSPP, SMG, SoM	

16	MATH 776	Advanced numerical methods for partial differential equations	4	8			1 year PhD SEDS Science, Engineering and Technology	SEDS, SSH	GSE, GSPP, SMG, SoM	
Physics										
17	PHYS 700-0	Thesis Research	0	0						
18	PHYS 711	Computational Modeling and Simulation	4	8			1 year PhD SEDS Science, Engineering and Technology	SEDS, SSH	GSE, GSPP, SMG, SoM	
19	PHYS 750	Advanced Mathematical Physics	4	8			1 year PhD SEDS Science, Engineering and Technology	SEDS, SSH	GSE, GSPP, SMG, SoM	