

**Course Requirements and Registration Priorities**  
**School of Sciences and Humanities (Master), Spring 2022**

#	Abbr	Title	Cr(US)	Cr(ECTS)	PreRequisite	CoRequisite	AntiRequisite	1st priority registration	2nd priority registration	3rd priority registration	4th priority registration
<b>SSH</b>											
<b>Area Studies</b>											
1	EAS 502	Disciplinary Methodology	4	8				Eurasian Studies			
2	EAS 504	Thesis II	12.5	25	EAS 500 Introduction to Eurasia (1632) (C- and above) AND EAS 501 General Methodology (1633) (C- and above) AND EAS 502 Disciplinary Methodology (1379) (C- and above) AND EAS 503 Thesis I (2141) (C- and above)			Eurasian Studies			
3	EAS 511	Independent Study in Eurasian Studies	4	8				Instructor's Permission Required. Registration through Add Course form only!			
<b>Biological Science</b>											
4	BIOL 502	Research Methods and Bioethics	3	6				Biological Sciences	SSH	GSB, GSE, GSPP, SEDS, SMG, SoM	
5	BIOL 570	Advanced Biotechnology	3	6				Biological Sciences	SSH	GSB, GSE, GSPP, SEDS, SMG, SoM	
6	BIOL 580	Applied Bioinformatics	3	6	BIOL 520 Statistical Methods in Life Sciences (1203) (C and above)			Biological Sciences	SSH	GSB, GSE, GSPP, SEDS, SMG, SoM	
7	BIOL 590	Research Design and Project Planning	3	6				1 year Gr SSH Biological Sciences and Technologies			
8	BIOL 591	Cellular Biophysics	3	6				Biological Sciences	SSH	GSB, GSE, GSPP, SEDS, SMG, SoM	
9	BIOL 599	Master's Thesis Research	0	0				Biological Sciences			
10	BIOL 630	Advanced Neuroscience	3	6				Biological Sciences	SSH	GSB, GSE, GSPP, SEDS, SMG, SoM	
11	BIOL 637	Fundamentals of Advanced Microscopy	3	6				Biological Sciences	SSH	GSB, GSE, GSPP, SEDS, SMG, SoM	
12	BIOL 692	Master's Thesis	15	30	BIOL 691 Master's Thesis Research Proposal (5676) (B- and above)			Biological Sciences			
<b>Chemistry</b>											
13	CHEM 500	Hot Research Topics in Chemistry	3	6				Chemistry	Biological Sciences	SEDS, SMG, SSH, SoM	

14	CHEM 511	Theoretical Chemistry	3	6	CHEM 510 Principles of Physical Chemistry (5266) (C and above)			Chemistry	Biological Sciences	SEDS, SMG, SSH, SoM	
15	CHEM 515	Applied Colloid and Surfactant Science	3	6				Chemistry	Biological Sciences	SEDS, SMG, SSH, SoM	
16	CHEM 540	Organic Reactions and Mechanisms	3	6				Chemistry	Biological Sciences	SEDS, SMG, SSH, SoM	
17	CHEM 550	Selected Topics in Chemistry	3	6				Chemistry	Biological Sciences	SEDS, SMG, SSH, SoM	
18	CHEM 560	Directed research in chemistry	0	0				Chemistry	Biological Sciences	SEDS, SMG, SSH, SoM	
19	CHEM 592	Chemistry Seminar	3	6				Chemistry	Biological Sciences	SEDS, SMG, SSH, SoM	
20	CHEM 692	MSc Thesis in Chemistry	18	36	CHEM 691 Thesis Proposal (5858) (C- and above)			Chemistry			
<b>Communication and Composition</b>											
21	WCS 501	Science Communication	3	6				SSH	SMG, SoM		
<b>Communication and Composition, Languages, Literature and Linguistics</b>											
22	WLL 562/WCS 562	Creative Nonfiction	4	8				Instructor's Permission Required. Registration through Add Course form only!			
<b>Economics</b>											
23	ECON 516	Empirical Industrial Organization	4	8	ECON 501 Microeconomics I (2187) (C- and above) AND ECON 531 Econometrics (2505) (C- and above)			Economics	SSH	GSB, GSE, GSPP, SEDS, SMG, SoM	
24	ECON 521	Microeconomic Theory II	4	8	ECON 501 Microeconomics I (2187) (C- and above) AND ECON 512 Mathematical Economics (2154) (C- and above)			Economics	SSH	GSB, GSE, GSPP, SEDS, SMG, SoM	
25	ECON 522	Macroeconomics II	4	8	ECON 502 Macroeconomics I (2186) (C- and above) AND ECON 512 Mathematical Economics (2154) (C- and above)			Economics	SSH	GSB, GSE, GSPP, SEDS, SMG, SoM	
26	ECON 524	Research Methodology	4	8	ECON 501 Microeconomics I (2187) (C- and above) AND ECON 502 Macroeconomics I (2186) (C- and above) AND ECON 511 Statistics (2188) (C- and above)	ECON 531 Econometrics (2505) (D and above)		Economics	SSH	GSB, GSE, GSPP, SEDS, SMG, SoM	

27	ECON 528	Wages and the Labor Market	4	8	ECON 521 Microeconomic Theory II (2506) (C- and above) AND ECON 531 Econometrics (2505) (C- and above)			Economics	SSH	GSB, GSE, GSPP, SEDS, SMG, SoM	
28	ECON 531	Econometrics	4	8	ECON 511 Statistics (2188) (C- and above) AND ECON 512 Mathematical Economics (2154) (C- and above)			Economics	SSH	GSB, GSE, GSPP, SEDS, SMG, SoM	
29	ECON 590	Thesis II	8	16	ECON 589 Thesis I (3714) (P)			Economics			
<b>History, Philosophy and Religious Studies</b>											
30	HST 534	Neither Red, Nor White: 1917 Revolution as a National Moment	4	8						GSB, GSE, GSPP, SEDS, SMG, SSH, SoM	
<b>History, Philosophy and Religious Studies, History, Philosophy and Religious Studies</b>											
31	HST 540/REL 540	Religions in the Soviet and Post-Soviet Eras	4	8						GSB, GSE, GSPP, SEDS, SMG, SSH, SoM	
32	REL 550/HST 550	Religion and Power in Islamic Central Asia	4	8						GSB, GSE, GSPP, SEDS, SMG, SSH, SoM	
<b>Kazakh Language and Turkic Studies</b>											
33	TUR 575	Advanced Topics in Turkic Studies	4	8						GSB, GSE, GSPP, SEDS, SMG, SSH, SoM	
<b>Languages, Literature and Linguistics</b>											
34	LING 572	Language Ideologies	4	8					SSH	GSB, GSE, GSPP, SEDS, SMG, SoM	
35	WLL 542	Contemporary Russian and Russophone Literature	4	8					SSH	GSB, GSE, GSPP, SEDS, SMG, SoM	
<b>Mathematics</b>											
36	MATH 512	Optimization Methods and Techniques	3	6				Applied Mathematics	SEDS, SSH	GSB, GSE, GSPP, SMG, SoM	
37	MATH 514	Operations Research	3	6				Applied Mathematics	SEDS, SSH	GSB, GSE, GSPP, SMG, SoM	
38	MATH 542	Statistical Programming	3	6				Applied Mathematics	SEDS, SSH	GSB, GSE, GSPP, SMG, SoM	
39	MATH 582	Mathematical Biology	3	6				Applied Mathematics	SEDS, SSH	GSB, GSE, GSPP, SMG, SoM	
40	MATH 691	Thesis Proposal	3	6	MATH 592 Research Seminar (5760) (C- and above)					Instructor's Permission Required. Registration through Add Course form only!	

41	MATH 692	Thesis	15	30	MATH 691 Thesis Proposal (5769) (P)			Instructor's Permission Required. Registration through Add Course form only!		
<b>Physics</b>										
42	PHYS 510	Quantum Mechanics	3	6				Physics	GSB, GSE, GSPP, SEDS, SMG, SSH, SoM	
43	PHYS 520	Statistical Physics	3	6				Physics	GSB, GSE, GSPP, SEDS, SMG, SSH, SoM	
44	PHYS 563	General Relativity	3	6				Physics	GSB, GSE, GSPP, SEDS, SMG, SSH, SoM	
45	PHYS 565	Advanced Physics Laboratory	4	8				Physics	GSB, GSE, GSPP, SEDS, SMG, SSH, SoM	
46	PHYS 570	Introduction to Optoelectronics	4	8				Physics	GSB, GSE, GSPP, SEDS, SMG, SSH, SoM	
47	PHYS 600	Thesis Research	0	0				Physics		
48	PHYS 692	Thesis	21	42				Instructor's Permission Required. Registration through Add Course form only!		
<b>Political Science and International Relations</b>										
49	PLS 510	Advanced Research I	4	8				Political Science and International Relations	GSB, GSE, GSPP, SEDS, SMG, SSH, SoM	
50	PLS 526	Hannah Arendt on Power, Violence, and Revolution	4	8		PLS 426 Hannah Arendt on Power, Violence, and Revolution (5398) (C- and above)		Political Science and International Relations	GSB, GSE, GSPP, SEDS, SMG, SSH, SoM	
51	PLS 531	Politics and Governance of the Russian Federation	4	8				Political Science and International Relations	GSB, GSE, GSPP, SEDS, SMG, SSH, SoM	
52	PLS 545	Political Violence	4	8				Political Science and International Relations	GSB, GSE, GSPP, SEDS, SMG, SSH, SoM	
53	PLS 546	The Politics of Immigration Control	4	8				Political Science and International Relations	GSB, GSE, GSPP, SEDS, SMG, SSH, SoM	
54	PLS 560	Environmental Politics	4	8				Political Science and International Relations	GSB, GSE, GSPP, SEDS, SMG, SSH, SoM	

55	PLS 565	Politics of International Finance	4	8				Political Science and International Relations	GSB, GSE, GSPP, SEDS, SMG, SSH, SoM		
56	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			
57	PLS 599	MA Thesis II	10	20				Political Science and International Relations			
<b>Sociology and Anthropology</b>											
58	ANT 520	Materiality and Eurasian Society	4	8				SSH	GSB, GSE, GSPP, SEDS, SMG, SoM		
59	ANT 585	Postcolonial Theory and Its Application in Eurasia	4	8				SSH	GSB, GSE, GSPP, SEDS, SMG, SoM		
60	SOC 515	Social Problems and Issues in Eurasia	4	8				GSB, GSE, GSPP, SEDS, SMG, SSH, SoM			