

**Course Requirements and Registration Priorities
(Graduate: Master), Fall 2017**

#	Abbr	Title	Cr(US)	Cr(ECTS)	PreRequisite	CoRequisite	AntiRequisite	1st priority registration	2nd priority registration	3rd priority registration	4th priority registration
SEng											
Chemical Engineering											
1	MCHE 600	MSc Thesis in Chemical Engineering	15	30							
2	MCHE 613	Physical Chemistry of Oil & Gas	1.5	3							
3	MCHE 614	Applied Chemical Engineering Thermodynamics	1.5	3							
4	MCHE 615	Advanced Unit Operations	1.5	3							
5	MCHE 616	Advanced Chemical Reactor Engineering	1.5	3	ECHE 481 Chemical Reaction Engineering (D and above)						
6	MCHE 618	Plant Economics and Planning	1.5	3							
7	MCHE 619	Safety Engineering and Loss Prevention	1.5	3							
Civil Engineering											
8	E MEM 507	Project Management	3	6							
9	E MEM 523	Supply Chain Management	3	6							
10	E MEM 527	Globalization and Engineering	3	6							
11	E MEM 533	Engineering Management and Engineering Economy	3	6							
12	E MEM 537	Engineering Decision Tools	3	6							
13	E MEM 538	Knowledge and Innovation Management	3	6							
14	E MEM 539	Big Data and Information Management	3	6							
15	E MEM 542	Production and Service Operations Management	3	6							
16	MCE 600	MSc Thesis in Civil Engineering	15	30							
17	MCE 601	Sustainable Development	3	6							

18	MCE 604	Advanced Project Management	3	6						
19	MCE 606	Environmental Impacts and Assessments	3	6						
20	MSC 615	Advanced statistics and probability	3	6	BENG 228 Engineering Mathematics III (D and above)					
21	MSC 616	Research Methods	3	6						
Electrical and Electronic Engineering										
22	MEE 600	MSc Thesis in Electrical and Electronics Engineering	15	30						
23	MEE 607	Statistical Signal Processing	3	6						
24	MEE 608	Special Topics in Circuits Theory	3	6						
25	MEE 622	Modern Control Theory	3	6						
26	MEE 623	Random Processes	3	6						
Mechanical Engineering										
27	MME 600	MSc Thesis in Mechanical Engineering	15	30						
28	MME 604	Engineering Mathematics	3	6						
29	MME 605	Numerical Techniques for Engineers	3	6						
30	MME 606	Advanced control systems	3	6						
SST										
Biological Science										
31	BIOL 501	Fundamentals of Biological Sciences	3	6						
32	BIOL 511	Critical Appraisal of Scientific Literature	3	6						
33	BIOL 520	Statistical Methods in Research	3	6						
34	BIOL 600	Graduate Seminar Series	3	6						
35	BIOL 670	Gene Therapy	3	6						
36	BIOL 690	Research Thesis I	6	12						
Computer Science										
37	CSCI 501	Software Principles and Practice	3	6						
38	CSCI 511	CS Track Core-Theory	3	6						
39	CSCI 525	Quantum Computing	3	6						
40	CSCI 545	Big Data Analytics	3	6						
Mathematics										

41	MATH 517	Scientific Modeling and Simulation with Mathematics	3	6	MATH 273 Linear Algebra with Applications (C- and above) OR MATH 351 Numerical Methods with Applications (C- and above)						
42	MATH 540	Statistical Analysis	3	6	MATH 322 Mathematical Statistics (C- and above) OR (MATH 310 Applied Statistical Methods (C- and above) AND MATH 273 Linear Algebra with Applications (C- and above))						
Physics											
43	PHYS 505	Classical Mechanics	3	6							
44	PHYS 511	Computational Modeling and Simulation	3	6							
45	PHYS 515	Classical Electrodynamics	3	6							
46	PHYS 545	Advanced Instrumentation Methods	3	6							
47	PHYS 550	Advanced Mathematical Physics	3	6							
48	PHYS 574	Lasers and Photonics	3	6							
49	SST 501	Teaching and Learning	3	6							
50	SST 503	Laboratory Practicum	3	6	SST 501 Teaching and Learning (C- and above) AND SST 502 Teaching Practicum (C- and above)						
51	SST 591	Research Methods	3	6							
52	SST 693	Thesis Proposal	3	6	SST 591 Research Methods (C- and above)						
Robotics and Mechatronics											
53	ROBT 501	Robot Manipulation and Mobility	3	6							
54	ROBT 503	Dynamic Systems and Control	3	6							

55	ROBT 611	Industrial Robotics	3	6	ROBT 501 Robot Manipulation and Mobility (C- and above) AND CSCI 501 Software Principles and Practice (C- and above)						
56	ROBT 613	Brain-Machine Interfaces	3	6							
SHSS											
Area Studies											
57	EAS 500	Introduction to Eurasia	4	8				Eurasian Studies	SHSS, SST		
58	EAS 501	General Methodology	4	8				Eurasian Studies	SHSS, SST		
59	EAS 503	Thesis I	7.5	15	EAS 500 Introduction to Eurasia (C- and above) AND EAS 501 General Methodology (C- and above) AND EAS 502 Disciplinary Methodology (C- and above)			2 year Graduate SHSS Eurasian Studies			
Area Studies, Political Science and International Relations, Sociology and Anthropology											
60	SOC 514/PLS 514/EAS 506	Qualitative Research Methods	4	8				Eurasian Studies	SHSS, SST		
Economics											
61	ECON 501	Microeconomics I	4	8				1 year Graduate SHSS Economics	SHSS, SST		
62	ECON 502	Macroeconomics I	4	8				1 year Graduate SHSS Economics	SHSS, SST		
63	ECON 503	Introduction to Contract Theory and Auctions	4	8				2 year Graduate SHSS Economics	SHSS, SST		
64	ECON 505	Behavioral and Experimental Economics	4	8				2 year Graduate SHSS Economics	SHSS, SST		
65	ECON 511	Statistics	4	8				1 year Graduate SHSS Economics	SHSS, SST		
66	ECON 512	Mathematical Economics	4	8				1 year Graduate SHSS Economics	SHSS, SST		
67	ECON 515	Industrial Organization	4	8	ECON 531 Econometrics (C- and above)			2 year Graduate SHSS Economics	SHSS, SST		

68	ECON 516	Empirical Industrial Organization	4	8	ECON 501 Microeconomics I (C- and above) AND ECON 531 Econometrics (C- and above)			2 year Graduate SHSS Economics	SHSS, SST		
69	ECON 532	Applied Econometrics	4	8				2 year Graduate SHSS Economics	SHSS, SST		
70	ECON 589	Thesis I	4	8				2 year Graduate SHSS Economics	SHSS, SST		
History, Philosophy and Religious Studies											
71	HST 523	Orthodox Christianity in Modern and Revolutionary Russia	4	8				SHSS, SST			
72	REL 510	Buddhism in Central Asia	4	8				Eurasian Studies	SHSS, SST		
Political Science and International Relations											
73	PLS 511	Advanced Research I	4	8				1 year Graduate SHSS Political Sciences and Int. Relations	SHSS, SST		
74	PLS 512	Scientific Research in International Relations	4	8	PLS 511 Advanced Research I (C- and above) AND PLS 510 Advanced Research II (C- and above) AND PLS 550 Core Seminar in IR (C- and above)			2 year Graduate SHSS Political Sciences and Int. Relations	SHSS, SST		
75	PLS 513	Research and Writing in Political Science	4	8				2 year Graduate SHSS Political Sciences and Int. Relations			
76	PLS 521	Theories of Political Obligations	4	8				1 year Graduate SHSS Political Sciences and Int. Relations	SHSS, SST		
77	PLS 522	Just War Theory	4	8				1 year Graduate SHSS Political Sciences and Int. Relations	SHSS, SST		
78	PLS 541	Advanced Topics in Comparative Politics	4	8				2 year Graduate SHSS Political Sciences and Int. Relations	SHSS, SST		
79	PLS 545	Political Violence	4	8				2 year Graduate SHSS Political Sciences and Int. Relations	SHSS, SST		
80	PLS 550	Core Seminar in IR	4	8				1 year Graduate SHSS Political Sciences and Int. Relations	SHSS, SST		
81	PLS 565	Politics of International Finance	4	8				2 year Graduate SHSS Political Sciences and Int. Relations	SHSS, SST		

82	PLS 569	International Relations of Eurasia	4	8				2 year Graduate SHSS Political Sciences and Int. Relations	SHSS, SST		
GSB											
GSB											
83	EMBAE 700	Entrepreneurial Finance	2.5	5				2 year Graduate SHSS Political Sciences and Int. Relations	SHSS, SST		
84	GSBF 501	Team Building and Business Communications	1	2				2 year Graduate SHSS Political Sciences and Int. Relations	SHSS, SST		
85	GSBF 511	Introduction to Quantitative Methods	2	4				2 year Graduate SHSS Political Sciences and Int. Relations	SHSS, SST		
86	GSBF 512	Principles of Finance	2	4				2 year Graduate SHSS Political Sciences and Int. Relations	SHSS, SST		
87	GSBF 513	Financial Econometrics	2	4				2 year Graduate SHSS Political Sciences and Int. Relations	SHSS, SST		
88	GSBF 514	Corporate Finance	2	4				2 year Graduate SHSS Political Sciences and Int. Relations	SHSS, SST		
89	GSBF 516	Financial Markets and Institutions	2	4				2 year Graduate SHSS Political Sciences and Int. Relations	SHSS, SST		
90	GSBF 517	Financial Economics	2	4				2 year Graduate SHSS Political Sciences and Int. Relations	SHSS, SST		
91	MBA 01	Consequential Leadership	1	2				2 year Graduate SHSS Political Sciences and Int. Relations	SHSS, SST		
92	MBA 02	Business Mathematics and Business Computer Application	1	2				2 year Graduate SHSS Political Sciences and Int. Relations	SHSS, SST		
93	MBA 03	Financial Accounting	2	4				2 year Graduate SHSS Political Sciences and Int. Relations	SHSS, SST		
94	MBA 04	Probability and Statistics	2	4				2 year Graduate SHSS Political Sciences and Int. Relations	SHSS, SST		
95	MBA 05	Business Communication	2	4				2 year Graduate SHSS Political Sciences and Int. Relations	SHSS, SST		
96	MBA 07	Managerial Effectiveness	2	4				2 year Graduate SHSS Political Sciences and Int. Relations	SHSS, SST		

97	MBA 08	Managerial Economics	2	4				2 year Graduate SHSS Political Sciences and Int. Relations	SHSS, SST		
98	MBA 09	Marketing Management	2	4				2 year Graduate SHSS Political Sciences and Int. Relations	SHSS, SST		
99	MBA 17	Negotiations	2	4				2 year Graduate SHSS Political Sciences and Int. Relations	SHSS, SST		
100	MBA 19	Distinguished Speaker Series	0	1				2 year Graduate SHSS Political Sciences and Int. Relations	SHSS, SST		
101	MBA 20	Practicum Project	2.5	5				2 year Graduate SHSS Political Sciences and Int. Relations	SHSS, SST		
102	MBAE 12	Data Analytics for Business	2	4				2 year Graduate SHSS Political Sciences and Int. Relations	SHSS, SST		
103	MBAE 6	International Finance	2	4				2 year Graduate SHSS Political Sciences and Int. Relations	SHSS, SST		
104	MBAE 9	Marketing Strategy	2	4				2 year Graduate SHSS Political Sciences and Int. Relations	SHSS, SST		
GSPP											
GSPP											
105	MPA 602	Public Administration in Theory and Practice	4	8				2 year Graduate SHSS Political Sciences and Int. Relations	SHSS, SST		
106	MPA 603	Economic Applications for Public Managers	4	8				2 year Graduate SHSS Political Sciences and Int. Relations	SHSS, SST		
107	MPA 605	Research Methods for Decision Making	4	8				2 year Graduate SHSS Political Sciences and Int. Relations	SHSS, SST		
108	MPA 618	Current Issues in Macroeconomic Policy	4	8				-, 2 year GSPP Public Administration, 2 year GSPP Public Policy	Economics, Eurasian Studies, Political Science and International Relations		
109	MPA 619	Contemporary Issues in Foreign Policy	4	8				-, 2 year GSPP Public Administration, 2 year GSPP Public Policy	Economics, Eurasian Studies, Political Science and International Relations		
110	MPA 622	Public Policy and Economics of Health Systems	4	8				-, 2 year GSPP Public Administration, 2 year GSPP Public Policy	Economics, Eurasian Studies, Political Science and International Relations		

111	MPA 684	Selected Topics on Global Energy Policy	4	8					-, 2 year GSPP Public Administration, 2 year GSPP Public Policy	Economics, Eurasian Studies, Political Science and International Relations		
112	MPA 699	Master's Project	6	12					-, 2 year GSPP Public Administration, 2 year GSPP Public Policy	Economics, Eurasian Studies, Political Science and International Relations		
113	MPP 601	Microeconomics and Public Policy	4	8					-, 2 year GSPP Public Administration, 2 year GSPP Public Policy	Economics, Eurasian Studies, Political Science and International Relations		
114	MPP 611	Statistical Techniques for Public Policy	4	8					-, 2 year GSPP Public Administration, 2 year GSPP Public Policy	Economics, Eurasian Studies, Political Science and International Relations		
115	MPP 612	Public Policy Research and Evaluation	4	8					-, 2 year GSPP Public Administration, 2 year GSPP Public Policy	Economics, Eurasian Studies, Political Science and International Relations		
116	MPP 621	Introduction to Public Policy and Analysis	4	8					-, 2 year GSPP Public Administration, 2 year GSPP Public Policy	Economics, Eurasian Studies, Political Science and International Relations		
117	MPP 625	Central Asian politics: Comparative Analysis	4	8					-, 2 year GSPP Public Administration, 2 year GSPP Public Policy	Economics, Eurasian Studies, Political Science and International Relations		
118	MPP 626	International Political Economy of Energy and Climate Change	4	8					-, 2 year GSPP Public Administration, 2 year GSPP Public Policy	Economics, Eurasian Studies, Political Science and International Relations		
119	MPP 631	Politics and Public Policy	4	8					-, 2 year GSPP Public Administration, 2 year GSPP Public Policy	Economics, Eurasian Studies, Political Science and International Relations		
120	MPP 632	Public International Law	4	8					-, 2 year GSPP Public Administration, 2 year GSPP Public Policy	Economics, Eurasian Studies, Political Science and International Relations		
121	MPP 636	Weapons of Mass Destruction Nonproliferation and Disarmament	4	8					-, 2 year GSPP Public Administration, 2 year GSPP Public Policy	Economics, Eurasian Studies, Political Science and International Relations		
122	MPP 671	Game Theory and Public Policy	4	8					-, 2 year GSPP Public Administration, 2 year GSPP Public Policy	Economics, Eurasian Studies, Political Science and International Relations		

123	MPP 682	Sustainable Development and Environmental Governance	4	8	MPP 601 Microeconomics and Public Policy (D and above)				-, 2 year GSPP Public Administration, 2 year GSPP Public Policy	Economics, Eurasian Studies, Political Science and International Relations		
GSE												
GSE												
124	EDHE 609	Introduction to Educational Leadership: Higher Education	3	6					-, 2 year GSPP Public Administration, 2 year GSPP Public Policy	Economics, Eurasian Studies, Political Science and International Relations		
125	EDHE 621	Education Policy Analysis and Development	3	6					-, 2 year GSPP Public Administration, 2 year GSPP Public Policy	Economics, Eurasian Studies, Political Science and International Relations		
126	EDHE 642	Globalisation and higher education	3	6					-, 2 year GSPP Public Administration, 2 year GSPP Public Policy	Economics, Eurasian Studies, Political Science and International Relations		
127	EDHE 649	Fundamentals of Higher Education	3	6					-, 2 year GSPP Public Administration, 2 year GSPP Public Policy	Economics, Eurasian Studies, Political Science and International Relations		
128	EDHE 691	Thesis Seminar II	1.5	3					-, 2 year GSPP Public Administration, 2 year GSPP Public Policy	Economics, Eurasian Studies, Political Science and International Relations		
129	EDIE 609	Introduction to Educational Leadership: Inclusive Education	3	6					-, 2 year GSPP Public Administration, 2 year GSPP Public Policy	Economics, Eurasian Studies, Political Science and International Relations		
130	EDIE 621	Education Policy Analysis and Development	3	6					-, 2 year GSPP Public Administration, 2 year GSPP Public Policy	Economics, Eurasian Studies, Political Science and International Relations		
131	EDIE 624	Psychology of Learning (Children as Learners)	3	6					-, 2 year GSPP Public Administration, 2 year GSPP Public Policy	Economics, Eurasian Studies, Political Science and International Relations		
132	EDIE 691	Thesis Seminar II	1.5	3					-, 2 year GSPP Public Administration, 2 year GSPP Public Policy	Economics, Eurasian Studies, Political Science and International Relations		
133	EDML 610	Foundations of Multilingual Education	3	6					-, 2 year GSPP Public Administration, 2 year GSPP Public Policy	Economics, Eurasian Studies, Political Science and International Relations		
134	EDML 613	The Multilingual School	3	6					-, 2 year GSPP Public Administration, 2 year GSPP Public Policy	Economics, Eurasian Studies, Political Science and International Relations		

135	EDML 614	Multilingual curriculum development and assessment	3	6					-, 2 year GSPP Public Administration, 2 year GSPP Public Policy	Economics, Eurasian Studies, Political Science and International Relations		
136	EDML 623	Globalization and Language Education	3	6					-, 2 year GSPP Public Administration, 2 year GSPP Public Policy	Economics, Eurasian Studies, Political Science and International Relations		
137	EDML 630	Language Policy and Education Reform Across Contexts	3	6					-, 2 year GSPP Public Administration, 2 year GSPP Public Policy	Economics, Eurasian Studies, Political Science and International Relations		
138	EDML 690	Thesis Research I	3	6					-, 2 year GSPP Public Administration, 2 year GSPP Public Policy	Economics, Eurasian Studies, Political Science and International Relations		
139	EDSE 609	Introduction to Educational Leadership: School Education	3	6					-, 2 year GSPP Public Administration, 2 year GSPP Public Policy	Economics, Eurasian Studies, Political Science and International Relations		
140	EDSE 620	Perspectives on Inclusive Education	3	6					-, 2 year GSPP Public Administration, 2 year GSPP Public Policy	Economics, Eurasian Studies, Political Science and International Relations		
141	EDSE 632	School Improvement and Effectiveness	3	6					-, 2 year GSPP Public Administration, 2 year GSPP Public Policy	Economics, Eurasian Studies, Political Science and International Relations		
142	EDSE 634	Assessment: Theories, policies, practices	3	6					-, 2 year GSPP Public Administration, 2 year GSPP Public Policy	Economics, Eurasian Studies, Political Science and International Relations		
143	EDSE 691	Thesis Seminar II	1.5	3					-, 2 year GSPP Public Administration, 2 year GSPP Public Policy	Economics, Eurasian Studies, Political Science and International Relations		
144	EDUC 502	English for Research	3	6					-, 2 year GSPP Public Administration, 2 year GSPP Public Policy	Economics, Eurasian Studies, Political Science and International Relations		
145	EDUC 505	Academic English 1	1.5	3					-, 2 year GSPP Public Administration, 2 year GSPP Public Policy	Economics, Eurasian Studies, Political Science and International Relations		
146	EDUC 507	Academic English III	1.5	3					-, 2 year GSPP Public Administration, 2 year GSPP Public Policy	Economics, Eurasian Studies, Political Science and International Relations		

147	EDUC 510	Advanced English for Education Professionals	3	6				- , 2 year GSPP Public Administration, 2 year GSPP Public Policy	Economics, Eurasian Studies, Political Science and International Relations		
148	EDUC 571	Basic Kazakh	3	6				- , 2 year GSPP Public Administration, 2 year GSPP Public Policy	Economics, Eurasian Studies, Political Science and International Relations		
149	EDUC 600	Research Methods (Part I)	1.5	3				- , 2 year GSPP Public Administration, 2 year GSPP Public Policy	Economics, Eurasian Studies, Political Science and International Relations		
150	EDUC 600	Research Methods I	3	6				- , 2 year GSPP Public Administration, 2 year GSPP Public Policy	Economics, Eurasian Studies, Political Science and International Relations		
151	EDUC 602	Educational Context and Reform in Kazakhstan	3	6				- , 2 year GSPP Public Administration, 2 year GSPP Public Policy	Economics, Eurasian Studies, Political Science and International Relations		
152	EDUC 608	Preparing Children for the Future: Skills and Employability	3	6				- , 2 year GSPP Public Administration, 2 year GSPP Public Policy	Economics, Eurasian Studies, Political Science and International Relations		
153	EDUC 630	Introduction to Linguistics	3	6				- , 2 year GSPP Public Administration, 2 year GSPP Public Policy	Economics, Eurasian Studies, Political Science and International Relations		
154	EDUC 709	Introduction to Scholarship in Education	3	6				- , 2 year GSPP Public Administration, 2 year GSPP Public Policy	Economics, Eurasian Studies, Political Science and International Relations		
SoM											
Biomedical Sciences											
155	MMMM 501	Molecular Basis of Infection	3	6				- , 2 year GSPP Public Administration, 2 year GSPP Public Policy	Economics, Eurasian Studies, Political Science and International Relations		
156	MMMM 502	Molecular Pathology of Cancer	3	6				- , 2 year GSPP Public Administration, 2 year GSPP Public Policy	Economics, Eurasian Studies, Political Science and International Relations		
157	MMMM 503	Bioethics in Research: Principles and Practice	3	6				- , 2 year GSPP Public Administration, 2 year GSPP Public Policy	Economics, Eurasian Studies, Political Science and International Relations		
158	MMMM 504	Molecular Basis of Genetic Disease	3	6				- , 2 year GSPP Public Administration, 2 year GSPP Public Policy	Economics, Eurasian Studies, Political Science and International Relations		

159	MMMM 505	Inferential Biostatistics	2	4				- , 2 year GSPP Public Administration, 2 year GSPP Public Policy	Economics, Eurasian Studies, Political Science and International Relations		
160	MMMM 506	Biocomputing	1	2				- , 2 year GSPP Public Administration, 2 year GSPP Public Policy	Economics, Eurasian Studies, Political Science and International Relations		
Public Health											
161	PUBH 501	Principles of Public Health Problem Solving	3	6				- , 2 year GSPP Public Administration, 2 year GSPP Public Policy	Economics, Eurasian Studies, Political Science and International Relations		
162	PUBH 511	Inferential Biostatistics	3	6				- , 2 year GSPP Public Administration, 2 year GSPP Public Policy	Economics, Eurasian Studies, Political Science and International Relations		
163	PUBH 521	Principles of Analytical Epidemiology	3	6				- , 2 year GSPP Public Administration, 2 year GSPP Public Policy	Economics, Eurasian Studies, Political Science and International Relations		
164	PUBH 528	Qualitative Research Methods	3	6				- , 2 year GSPP Public Administration, 2 year GSPP Public Policy	Economics, Eurasian Studies, Political Science and International Relations		
165	PUBH 531	Emerging Infectious Diseases	3	6				- , 2 year GSPP Public Administration, 2 year GSPP Public Policy	Economics, Eurasian Studies, Political Science and International Relations		
166	PUBH 551	Health Services Management, Health Economic and Health Policy	3	6				- , 2 year GSPP Public Administration, 2 year GSPP Public Policy	Economics, Eurasian Studies, Political Science and International Relations		
167	PUBH 601	Health Education and Promotion	3	6				- , 2 year GSPP Public Administration, 2 year GSPP Public Policy	Economics, Eurasian Studies, Political Science and International Relations		
168	PUBH 641	Problem Investigations in Environmental Health	3	6				- , 2 year GSPP Public Administration, 2 year GSPP Public Policy	Economics, Eurasian Studies, Political Science and International Relations		
169	PUBH 662	Graduate Research Seminar II	3	6				- , 2 year GSPP Public Administration, 2 year GSPP Public Policy	Economics, Eurasian Studies, Political Science and International Relations		
170	PUBH 681	Master's Project Planning	3	6				- , 2 year GSPP Public Administration, 2 year GSPP Public Policy	Economics, Eurasian Studies, Political Science and International Relations		
SMG											

School of Mining and Geosciences

171	MINE 500	Foundations of Mining	3	6				-, 2 year GSPP Public Administration, 2 year GSPP Public Policy	Economics, Eurasian Studies, Political Science and International Relations		
172	MINE 511	Applied Geostatistics	3	6				-, 2 year GSPP Public Administration, 2 year GSPP Public Policy	Economics, Eurasian Studies, Political Science and International Relations		
173	MINE 512	Mining and Engineering Geology	3	6				-, 2 year GSPP Public Administration, 2 year GSPP Public Policy	Economics, Eurasian Studies, Political Science and International Relations		
174	MINE 513	Rock Excavation Methods	3	6				-, 2 year GSPP Public Administration, 2 year GSPP Public Policy	Economics, Eurasian Studies, Political Science and International Relations		
175	MINE 518	Advanced Rock Mechanics	3	6				-, 2 year GSPP Public Administration, 2 year GSPP Public Policy	Economics, Eurasian Studies, Political Science and International Relations		