

Course Offerings for the Minor in Spatial Studies

FALL QUARTER 2017

Last Updated July 2017

COURSE NUMBER/TITLE	UNITS	DATE, TIME, LOCATION	DESCRIPTION
ARTHI 113F , Bernini and the Age of the Baroque	4	M W 11:00am–12:15pm ARTS 1341	Paul <i>Prerequisite: Not open to freshmen.</i>
ARTHI 136O , Green Architecture	4	M W 12:30–1:45pm ARTS 1341	Welter <i>Prerequisite: not open to freshmen. Art History 5A or 6F.</i>
ART 105PP , Intermediate Spatial Practices	4	T R 9:00–11:50am ARTS 0641	Mulfinger <i>Prerequisites: Art Studio 1A-B, 7A-B-C, and 12; consent of instructor. May be repeated for credit to a maximum of 16 units. Letter-grade required for majors.</i>
ARTST 130 , Visual Arts as Culture	4	W 4:00–6:50pm ARTS 1344	Gardner <i>Prerequisite: upper-division standing. May be repeated for credit to a maximum of 16 units, but only 8 units can be applied to the major.</i>
CMPS 180 , Computer Graphics	4	T R 2:00–3:15pm PHELP 1444 W 5:00–5:50pm GIRV 1115	Wang <i>Prerequisites: Computer Science 130B or consent of instructor.</i>
EARTH 104A , Field Studies in Geological Methods	4	T R 9:30–10:45am PSB-S2712 F 1:00–4:50pm PSB-S2712	Gans <i>Prerequisites: Geology 2 and 3 and consent of instructor.</i>
EEMB 142A , Aquatic Communities	4	T R 11:00am–12:15pm LSB 1001 W 8:00–8:50am LSB 1101 T 5:00–5:50pm GIRV 1108 T 6:00–6:50pm GIRV 2120 T 1:00–1:50pm HSSB 3202 W 2:00–2:50pm LSB 1101 W 1:00–1:50pm PHELP 2514 W 12:00–12:50pm GIRV 2112 R 8:00–8:50am	Cooper/Even <i>Prerequisites: MCDB 1A, EEMB 2 and MCDB 1B, and EEMB 3. Not open for credit to students who have completed EEMB 145C. Recommended preparation: EEMB 120. Lecture, 3 hours; discussion, 1 hour.</i>

EEMB142AL , Methods of Aquatic Community Ecology	3	387 104 T R 2:00–4:50pm BSIF 1229 F 3:00–3:50pm 387 204	Schmitt/Even <i>Prerequisite: concurrent enrollment in EEMB 142A. Not open for credit to students who have completed EEMB 145CL. Laboratory, 6 hours; discussion, 1 hour.</i>
ENGL 133SO , Studies in American Regional Literature	4	T R 5:00–6:15pm GIRV 1004 W 10:00–10:50am SH 2617 W 11:00–11:50Am SH 2617 W 2:00–2:50pm SH 1415 W 3:00–3:50pm SH 1415 R 10:00–10:50am SH 1415 R 11:00–11:50am SH 1415 R 3:00–3:50pm SH 1609 R 4:00–4:50pm SH 1609	Staff Courses on American writing associated with particular regions such as the South, the West, New England.
ENV S 100. Environmental Ecology	4	M W F 9:00–9:50Am BUCHN 1910 T 4:00–4:50pm HSSB 4202 T 8:00–8:50am HSSB 4201 T 5:00–5:50pm HSSB 1227 W 12:00–12:50pm HSSB 1223 W 1:00–1:50pm HSSB 4202 R 2:00–2:50pm HSSB 2251 R 3:00–3:50pm HSSB 2251 R 8:00–8:50am HSSB 4202 T	Tyler <i>Prerequisite: Environmental Studies 2; and, Environmental Studies 1 or 3; and, MCDB 20 or EEMB 22 or MCDB 1A-AL and EEMB 2.</i>

		2:00–2:50pm GIRV 2127 W 3:00–3:50pm HSSB 3201 R 4:00–4:50pm HSSB 3201	
ENV S 114A, Soil Science	5	M W 2:00–3:15pm ELLSN 3621 F 1:00–3:50pm PHELP 2525 F 9:00–11:50am PHELP 2525	Chadwick <i>Prerequisites: Chemistry 1A-B; and, Geography 3B or Geology 2. Same course as Geography 114A.</i>
ENV S 130A, Coupled Human and Natural Systems and Risks, Vulnerability, Resilience and Disasters	4	M W 12:30–1:45pm GIRV 1115	Martin <i>Prerequisite: Anthropology 2 or Environmental Studies 1 or 3. Quarters usually offered: Fall. Same course as Anthropology 130A.</i>
ENV S 149, World Agriculture, Food, and Population	4	T R 9:30–10:45am PHELP 3515 F 9:00–9:50am ELLSN 3621 F 10:00–10:50am ELLSN 3621 R 5:00–5:50pm ELLSN 2620	Meisterling <i>Prerequisite: upper-division standing. Same course as Anthropology 149 and Geography 161.</i>
ENV S 165A, Environmental Impact Analysis	4	T R 3:30–4:45pm CHEM 1171	Stone <i>Prerequisites: upper-division standing. Recommended preparation: Environmental Studies 116 or 135A.</i>
GEOG W12, Maps and Spatial Reasoning	4	W 5:00–5:50pm ELLSN 2610 F 9:00–11:50am ELLSN 2610 M 5:00–7:50pm ELLSN 2610 T 5:00–7:50pm ELLSN 2610 R 5:00–7:50pm ELLSN 2610 M 2:00–4:50pm ELLSN 2610	Clarke <i>Offered online. Note: Geography 12 is the required common course for the Minor in Spatial Studies.</i>
GEOG 101, Transportation Futures	4	M W 2:00–3:15pm GIRV 1115 W 10:00–10:50am ELLSN 2620	Church <i>Prerequisite: Geography 5.</i>

		<p style="text-align: center;">W 5:00–5:50pm ELLSN 2620</p>	
GEOG 111A , Transportation Planning and Modeling	4	<p style="text-align: center;">M W 11:00am–12:15pm ELLSN 3621</p> <p style="text-align: center;">T 9:00–10:50am ELLSN 3620</p>	<p>Goulias <i>Prerequisites: Geography 5.</i> <i>Recommended Preparation: Geography 117 or equivalent, introductory probability and statistics.</i></p>
GEOG 114A , Soil Science	5	<p style="text-align: center;">M W 2:00–3:15pm ELLSN 3621</p> <p style="text-align: center;">F 1:00–3:50pm PHELP 2525</p> <p style="text-align: center;">F 9:00–11:50am PHELP 2525</p>	<p>Chadwick <i>Prerequisite: Chemistry 1A-B; and Geography 3B or Geology 2.</i> <i>Enrollment Comments: Same course as Environmental Studies 114A.</i></p>
GEOG 115A , The Earth from Above	5	<p style="text-align: center;">T R 9:30–10:45am HSSB 1174</p> <p style="text-align: center;">W 11:00am–12:50pm ELLSN 2610</p> <p style="text-align: center;">M 9:00–10:50am ELLSN 2610</p> <p style="text-align: center;">W 9:00–10:50am ELLSN 2610</p>	<p>McFadden <i>Prerequisite: Geography 3A-B.</i> <i>Recommended Preparation: Geog 12. Lecture, 3 hours; laboratory, 4 hours.</i></p>
GEOG 161 , World Agriculture, Food, and Population	4	<p style="text-align: center;">T R 9:30–10:45am PHELP 3515</p> <p style="text-align: center;">F 9:00–9:50am ELLSN 3621</p> <p style="text-align: center;">F 10:00–10:50am ELLSN 3621</p> <p style="text-align: center;">R 5:00–5:50pm ELLSN 2620</p>	<p>Meisterling <i>Prerequisite: Upper-division standing.</i> <i>Enrollment Comments: Same course as Anthropology 149 and Environmental Studies 149.</i></p>
GEOG 172 , Intermediate Geographical Data Analysis	5	<p style="text-align: center;">T R 5:00–6:15pm ELLSN 3620</p> <p style="text-align: center;">T 9:00–9:50am ELLSN 2610</p>	<p>Murray <i>Prerequisites: PSTAT 5AA-ZZ or EEMB 30 or Psychology 5 or Communication 87.</i></p>
GEOG 176A , Introduction to Geographic Information Systems	4	<p style="text-align: center;">T R 2:00–3:15pm HSSB 1173</p> <p style="text-align: center;">T 6:00–7:50pm ELLSN 3620</p> <p style="text-align: center;">W 2:00–3:50pm ELLSN 2610</p> <p style="text-align: center;">R 5:00–6:50pm ELLSN 3620</p>	<p>Kuhn <i>Recommended Preparation: Geography 12.</i></p>
LING 181 ,	4	T R	Comrie

Languages of the World		5:00–6:15pm PHELP 2516 R 8:00–8:50am GIRV 1116 R 9:00–9:50am GIRV 1116	
MATH 108A , Introduction to Linear Algebra	4	M W F 9:00–9:50am NH 1105 M W F 10:00–10:50am NH 1105 M W F 12:00–12:50pm PHELP 1425	Dai <i>Prerequisites: Mathematics 5A and 8.</i> Wei TBA
MATH 108B , Introduction to Linear Algebra	4	M W F 2:00–2:50pm NH 1105	TBA Prerequisite: Mathematics 108A.
MATH 113 , Non- Euclidean Geometry	4	T R 12:30–1:45pm ARTS 1349	TBA <i>Prerequisite: Mathematics 8.</i>
MATRL 100A , Structure and Properties I	3	M W 3:30–4:45pm PHELP 1425 F 3:00–3:50pm PHELP 2532 F 4:00–4:50pm PHELP 2532	Seshadri <i>Prerequisites: Chemistry 1A-B; Physics 4; and, Mathematics 5A-B-C.</i>
MCDB 151 , Neurobiology I: Cellular Organization and Biophysics of the Nervous System	4	M W 3:30–4:45pm EMBARHALL F 9:00–9:50am GIRV 2108 F 1:00–1:50pm GIRV 2108 F 12:00–12:50pm GIRV 2108 F 11:00–11:50am GIRV 2124 F 9:00–9:50am 387 104 F 2:00–2:50pm 387 104	Goard <i>Prerequisites: MCDB 1A and 1B. Completion of both prerequisites with a grade of C or better. Not open for students who have completed Biology 105 or MCDB 114. Lecture, 3 hours; discussion, 1 hour.</i>
MUS 168I , Film Music Cognition	4	T R 9:30–10:45am MUSIC 2224	Hajda <i>Prerequisite: Music 11 or Music 5A (may be taken concurrently); upper division standing or consent of instructor.</i>
PHYS 106 , Nonlinear Phenomena	4	T R 9:30–10:45am TD-W 1701 M 9:00–9:50am PHELP 2536	Staff <i>Prerequisites: Physics 105A; or ME 163; or upper-division standing in ECE. Same course as ECE 183 and ME 169. Not open for credit to students who have completed ME 163C. An introduction to nonlinear phenomena. Flows and bifurcations in</i>

		<p>R 4:00–4:50pm PHELP 2536</p> <p>M 4:00–4:50pm PHELP 2536</p> <p>R 5:00–5:50pm HSSB 1211</p> <p>R 5:00–5:50pm HSSB 1233</p> <p>M 3:00–3:50pm HSSB 1227</p>	<p>one and two dimensions, chaos, fractals, strange attractors. Application to physics, engineering, chemistry, and biology.</p>
PSTAT 131 , Data Mining	4	<p>T R 5:00–7:15pm BUCHN 1940</p> <p>W 12:00–12:50pm SSMS 1301</p> <p>W 11:00–11:50am PHELP 1513</p> <p>W 5:00–5:50pm SSMS 1303</p> <p>R 9:00–9:50am SSMS 1303</p>	<p>TBA <i>Prerequisites: PSTAT 120A-B, 126, 130.</i></p>
PSTAT 160A , Applied Stochastic Processes	4-4	<p>T R 3:30–4:45pm PSYCH 1924</p> <p>W 5:00–5:50pm HSSB 1236</p> <p>T 7:00–7:50pm HSSB 1236</p> <p>W 8:00–8:50am HSSB 1223</p> <p>R 10:00–10:50am SH 1609</p> <p>T R 12:30–1:45pm HSSB 1173</p> <p>R 6:00–6:50pm GIRV 2123</p> <p>F 8:00–8:50pm HSSB 1215</p> <p>F 12:00–12:50pm PHELP 3523</p>	<p>TBA <i>Prerequisites: Mathematics 5A and 8; PSTAT 120A with a minimum grade of C.</i></p>
PSTAT 174 , Time Series	4	<p>M W 2:00–3:15pm BUCHN 1930</p> <p>M</p>	<p>TBA <i>Prerequisites: PSTAT 120A-B.</i></p>

		7:00–7:50pm SSMS 1301 T 8:00–8:50am SSMS 1302 T 7:00–7:50pm SSMS 1302 W 1:00–1:50pm SSMS 1302	
PSY 108, Introduction to Cognitive Psychology	4	M W 2:00–3:15pm EMBARHALL	Schooler <i>Prerequisite: Psychology 1 or upper-division standing.</i>