

List of Approved Courses for the Soils and Biogeochemistry Graduate Group Degree Requirements.

Course #	Title	Quarter	Units
SSC 202	Topics in Advanced Soil Chemistry	II	3
SSC 205	Field Studies of Soils in California Ecosystems	IV	5
SSC 208	Soil-Plant Interrelationships	II-E	3
SSC 211	Advanced Soil Microbiology	I-E	3
SSC 219	Ecosystem Biogeochemistry	III-O	4
SSC 220	Pedology	II-E	3
SSC 222	Global Carbon Cycle (Advance in Soil Organic Matter)	II-O	3
SSC 298*	Foundations of Soils and Biogeochemistry	II	2
SSC 299	Research	I, II, III	1-12
EBS 215	Soil-Machine Relations in Tillage and Traction	II alt yr	3
EBS 240	Infiltration and Drainage	II alt yr	3
EBS 242	Hydraulics of Surface Irrigation	III alt yr	3
EBS 265	Design and Analysis of Engineering Experiments	III	5
ECI 245A	Applied Environmental Chemistry: Inorganic	III alt yr	4
ECI 245B	Applied Environmental Chemistry: Organic	III alt yr	4
ECI 264B	Transport, Mixing and Water Quality in Estuaries and Wetlands	III alt yr	4
ECI 272C	Multiphase Reactive Transport	III alt yr	4
ECI 281A	Advanced Soil Mechanics	I	4
ECI 281B	Advanced Soil Mechanics	II	4
ECI 283	Physico-Chemical Aspects of Soil Behavior	I	3
ECI 284	Theoretical Geomechanics	II	4
ECI 240	Water Quality	II	4
ECI 276	Watershed Hydrology	II	4
ECL 216	Ecology and Agriculture	I alt yr	3
ECL 206	Concepts and Methods in Plant Community Ecology	I	4
ETX 220L	Analysis of Toxicants Laboratory	I	2
ETX 240	Ecotoxicology	III	3
GEO 200AN	Geographical Concepts	I	4
GEO 200BN	Theory & Practice of Geography	II	4
GEOCN	Quantitative Geography	III	4
GEO 211	Physical Geography Traditions and Methods	I alt yr	3
GEL 216	Tectonics	II alt yr	3
GEL 227	Stable Isotope Biogeochemistry	II	4

Course #	Title	Quarter	Units
GEL 235	Surface Processes	II	3
HRT 203	Research Perspectives in Horticulture	I alt yr	3
HRT 251	Modeling Horticultural Systems	II	3
HYD 210	Vadose Zone Transport Processes and Modeling	III-O	3
HYD 252	Hillslope Geomorphology and Sediment Budgets	III-O	4
HYD 273	Introduction to Geostatistics	I-E	3
PBI 210	Plant Ecophysiology	II alt yr	3
PLS 205	Experimental Design and Analysis	II	5
PLS 206	Applied Multivariate Modeling in Agricultural and Environmental Sciences	I	4
VEN 216	Vineyard Establishment and Development	I	4
VEN 217	Field and GIS Evaluation of Soils	II alt yr	3

*SSC 298 will be changed to SSC 200 upon course approval.

Quarter Offered: I =Fall, II=Winter, III=Spring, IV=Summer, E=even year, O=odd year