

Study unit code	Study unit name	Scope	Teaching period	Method of completion	Language of instruction	Open to exchange students	Open to Open University Students	Open to students from other degree programmes	Open to students from other universities via Fin-Geo or GISWAP networks
Common Courses	-	-	-	-	-	-	-	-	-
GEOM1003	Scientific Engagement	5 cr	Intensive period in August, 1-4, Intensive period in May + summer	Online teaching	English	no	no	no	no
GEOM1002	Conducting Scientific Research	10 cr	3-4	Contact teaching	English	no	no	no	no
GEOM1004	Internship	5 cr	Intensive period in August, 1-4, Intensive period in May + summer	Online teaching	Finnish, Swedish, English	no	no	no	no

Courses from Thematic course lists and advanced topics - some of the courses can be found under different thematic course lists	-	-	-	-	-	-	-	-	-
Geochemistry	-	-	-	-	-	-	-	-	-
GEOM2013	Geology of ore deposits and ore mineralogy	10 cr	3-4	Contact teaching	English	no	no	no	no
GEOM2023	Isotope geochemistry	5 cr	1	Contact teaching	English	yes	no	yes	yes (Fin-Geo)
GEOM2038	Solid Earth Geochemical Methods	5 cr	2	Contact teaching	English	yes	no	yes	yes (Fin-Geo)
GEOM2007	Environmental Geochemistry	5 cr	1-2	Blended teaching (includes contact and distance teaching)	English	yes	yes	yes	yes (Fin-Geo)
GEOM2019	Igneous petrology	5 cr	1	Contact teaching	English	yes	no	yes	no
GEOM2021	Introduction to Quantitative Geology	5 cr	2	Contact teaching	English	yes	no	yes	no

GEOM2027	Metamorphic Petrology	5 cr	2	Contact teaching	English	yes	no	yes	no
GEOM2043	Analytical methods in Environmental Geology	5 cr	2	Blended teaching (includes contact and distance teaching)	English	no	no	no	no
GEOM2047	Bedrock Hydrogeology	5 cr	4	Contact teaching	English	yes	no	no	no
GEOM2040	Hydrogeochemical Modelling	5 cr	1	Contact teaching	English	yes	no	no	no
Petrology	-	-	-	-	-	-	-	-	-
GEOM2013	Geology of ore deposits and ore mineralogy	10 cr	3-4	Contact teaching	English	no	no	no	no
GEOM2027	Metamorphic Petrology	5 cr	2	Contact teaching	English	yes	no	yes	no
GEOM2019	Igneous petrology	5 cr	1	Contact teaching	English	yes	no	no	no
GEOM2038	Solid Earth Geochemical Methods	5 cr	2	Contact teaching	English	yes	no	yes	yes (Fin-Geo)
GEOM2030	Petrophysics	5 cr	2	Contact teaching	English	yes	no	yes	yes (Fin-Geo)
GEOM2023	Isotope geochemistry	5 cr	1	Contact teaching	English	yes	no	yes	yes (Fin-Geo)
GEOM2029	Methods of mineral exploration	5 cr	Intensive period in August	Contact teaching	English	yes	no	no	no

GEOM2036	Sedimentary petrology	5 cr	3	Contact teaching	English	yes	no	no	no
GEOM2062	Advanced field course in Petrology and Structural Geology	5 cr	4 + intensive period in May	Contact teaching	English	no	no	no	no
Economic Geology and Sustainability	-	-	-	-	-	-	-	-	-
GEOM2008	Field course of solid Earth geophysics	5 cr	1	Contact teaching	English	no	no	no	no
GEOM2027	Metamorphic Petrology	5 cr	2	Contact teaching	English	yes	no	yes	no
GEOM2007	Environmental Geochemistry	5 cr	1-2	Blended teaching (includes contact and distance teaching)	English	yes	yes	yes	yes (Fin-Geo)
GEOM2018	Quality of Groundwater	5 cr	3	Contact teaching	Finnish / English	yes	no	yes	no
GEOM2019	Igneous petrology	5 cr	1	Contact teaching	English	yes	no	yes	no
GEOM2051	3D Geological Modelling	3 cr	4 and/or Intensive period in May	Contact teaching	English	yes	no	no	no

GEOM2013	Geology of ore deposits and ore mineralogy	10 cr	3-4	Contact teaching	English	no	no	no	no
GEOM2016	Human Impacts on the Biosphere over the Quaternary Period	5 cr	2	Contact teaching	English	yes	no	yes	no
GEOM2029	Methods of mineral exploration	5 cr	Intensive period in August	Contact teaching	English	yes	no	no	no
GEOM2047	Bedrock Hydrogeology	5 cr	4	Contact teaching	English	yes	no	no	no
GEOM2050	Field Course for Sustainable Mining	5 cr	4 and Intensive period in May	Contact teaching	English	no	no	no	no
Environmental Geology and Hydrogeology	-	-	-	-	-	-	-	-	-
GEOM2007	Environmental Geochemistry	5 cr	1-2	Blended teaching (includes contact and distance teaching)	English	yes	yes	yes	yes (Fin-Geo)
GEOM2018	Quality of Groundwater	5 cr	3	Contact teaching	Finnish / English	no	no	yes	no

GEOM2035	Quaternary Geology	5 cr	3	Contact teaching	English	yes	no	no	no
GEOM2051	3D Geological Modelling	3 cr	4 and/or Intensive period in May	Contact teaching	English	yes	no	no	no
GEOM2014	Glacial Geology	5 cr	1 and 3 (general exam days)	Contact teaching	English	yes	no	no	no
GEOM2008	Field course of solid Earth geophysics	5 cr	1	Contact teaching	English	no	no	no	no
GEOM2043	Analytical methods in Environmental Geology	5 cr	2	Blended teaching (includes contact and distance teaching)	English	no	no	no	no
GEOM2067	Methods in paleoenvironmental reconstructions	5 cr	1	Contact teaching	English	yes	no	yes	no
Sedimentology	-	-	-	-	-	-	-	-	-
GEOM2035	Quaternary Geology	5 cr	3	Contact teaching	English	yes	no	no	no

GEOM2010	Fossil recognition and introduction to invertebrate paleontology	5 cr	1	Contact teaching	English	yes	no	yes	yes (Fin-Geo)
GEOM2043	Analytical methods in Environmental Geology	5 cr	2	Blended teaching (includes contact and distance teaching)	English	no	no	no	no
GEOM2051	3D Geological Modelling	3 cr	4 and/or Intensive period in May	Contact teaching	English	yes	no	no	no
GEOM2008	Field course of solid Earth geophysics	5 cr	1	Contact teaching	English	no	no	no	no
GEOM2014	Glacial Geology	5 cr	1 and 3 (general exam days)	Contact teaching	English	yes	no	no	no
GEOM2036	Sedimentary petrology	5 cr	3	Contact teaching	English	yes	no	no	no
GEOM2009	Formation of the Fossil Record	5 cr	4	Contact teaching	English	yes	no	yes	no
GEOM2033	Quantifying the past	5 cr	3	Contact teaching	English	yes	no	yes	yes (Fin-Geo)
GEOM2067	Methods in paleoenvironmen	5 cr	1	Contact teaching	English	yes	no	yes	no

	tal reconstructions								
Palaeclimatology and Palaeoecology	-	-	-	-	-	-	-	-	-
GEOM2004	Carnivore Evolution	5 cr	2	Contact teaching	English	yes	no	yes	no
GEOM2002	All about teeth	5 cr	Intensive period in May	Contact teaching	English	yes	no	yes	yes (Fin-Geo)
GEOM2014	Glacial Geology	5 cr	1 and 3 (general exam days)	Contact teaching	English	yes	no	no	no
GEOM2010	Fossil recognition and introduction to invertebrate paleontology	5 cr	1	Contact teaching	English	yes	no	yes	yes (Fin-Geo)
GEOM2035	Quaternary Geology	5 cr	3	Contact teaching	English	yes	no	no	no
GEOM2009	Formation of the Fossil Record	5 cr	4	Contact teaching	English	yes	no	yes	no
GEOM2010	Fossil recognition and introduction to invertebrate paleontology	5 cr	1	Contact teaching	English	yes	no	yes	yes (Fin-Geo)
GEOM2033	Quantifying the past	5 cr	3	Contact teaching	English	yes	no	yes	yes (Fin-Geo)
GEOM2016	Human Impacts on the Biosphere over the	5 cr	2	Contact teaching	English	yes	no	yes	yes (Fin-Geo)

	Quaternary Period								
GEOM2022	Introduction to the Pleistocene	5 cr	4	Contact teaching	English	yes	no	yes	yes (Fin-Geo)
GEOM2067	Methods in paleoenvironmental reconstructions	5 cr	1	Contact teaching	English	yes	no	yes	no
Palaeontology and Hominin Ecology	-	-	-	-	-	-	-	-	-
GEOM2002	All about teeth	5 cr	Intensive period in May	Contact teaching	English	yes	no	yes	yes (Fin-Geo)
GEOM2010	Fossil recognition and introduction to invertebrate paleontology	5 cr	1	Contact teaching	English	yes	no	yes	yes (Fin-Geo)
GEOM2033	Quantifying the past	5 cr	3	Contact teaching	English	yes	no	yes	yes (Fin-Geo)
GEOM2022	Introduction to the Pleistocene	5 cr	4	Contact teaching	English	yes	no	yes	yes (Fin-Geo)
GEOM2004	Carnivore Evolution	5 cr	2	Contact teaching	English	yes	no	yes	no
GEOM2009	Formation of the Fossil Record	5 cr	4	Contact teaching	English	yes	no	yes	no

GEOM2006	Earthquake seismology	5 cr	4	Contact teaching	English	yes	no	yes	yes (Fin-Geo)
GEOM2042	Theory of Seismic Waves	5 cr	2	Contact teaching	English	yes	no	yes	yes (Fin-Geo)
GEOM2008	Field course of solid Earth geophysics	5 cr	1	Contact teaching	English	no	no	no	no
GEOM2037	Seismogram and time series analysis	5 cr	Intensive period in August	Contact teaching	English	yes	no	yes	yes (Fin-Geo)
GEOM2025	Lithosphere structure and dynamics	5 cr	1-2	Contact teaching	English	yes	yes	yes	yes (Fin-Geo)
Geophysical Processes	-	-	-	-	-	-	-	-	-
GEOM2006	Earthquake seismology	5 cr	4	Contact teaching	English	yes	no	yes	yes (Fin-Geo)
GEOM2045	Introduction to Geodesy	5 cr	3-4	Contact teaching	English	no	no	no	no
GEOM2025	Lithosphere structure and dynamics	5 cr	1-2	Contact teaching	English	yes	yes	yes	yes (Fin-Geo)
GEOM2021	Introduction to Quantitative Geology	5 cr	2	Contact teaching	English	yes	no	yes	no
Geophysical Properties	-	-	-	-	-	-	-	-	-
GEOM2042	Theory of Seismic Waves	5 cr	2	Contact teaching	English	yes	no	yes	yes (Fin-Geo)

GEOM2025	Lithosphere structure and dynamics	5 cr	1-2	Contact teaching	English	yes	yes	yes	yes (Fin-Geo)
GEOM2030	Petrophysics	5 cr	2	Contact teaching	English	yes	no	yes	yes (Fin-Geo)
GEOM2008	Field course of solid Earth geophysics	5 cr	1	Contact teaching	English	no	no	no	no
Courses with Field Work	-	-	-	-	-	-	-	-	-
GEOM2007	Environmental Geochemistry	5 cr	1-2	Blended teaching (includes contact and distance teaching)	English	yes	yes	yes	yes (Fin-Geo)
GEOM2050	Field Course for Sustainable Mining	5 cr	4 + intensive period in May	Contact teaching	English	no	no	no	no
GEOM2043	Analytical methods in Environmental Geology	5 cr	2	Blended teaching (includes contact and distance teaching)	English	no	no	no	no
GEOM2008	Field course of solid Earth geophysics	5 cr	1	Contact teaching	English	no	no		

GEOM2029	Methods of mineral exploration	5 cr	Intensive period in August	Contact teaching	English	no	no	no	no
GEOM2068	Field excursion in geology and geophysics	5 cr	1 + exam week between periods 1 and 2	Contact teaching	English	no	no	no	no
GEOM2062	Advanced field course in Petrology and Structural Geology	5 cr	4 + intensive period in May	Contact teaching	English	no	no	no	no
Courses Developing Laboratory Skills	-	-	-	-	-	-	-	-	-
GEOM2030	Petrophysics	5 cr	2	Contact teaching	English	yes	no	yes	yes (Fin-Geo)
GEOM2019	Igneous petrology	5 cr	1	Contact teaching	English	yes	no	yes	no
GEOM2038	Solid Earth Geochemical Methods	5 cr	2	Contact teaching	English	yes	no	yes	yes (Fin-Geo)
GEOM2010	Fossil recognition and introduction to invertebrate paleontology	5 cr	1	Contact teaching	English	yes	no	yes	yes (Fin-Geo)
GEOM2043	Analytical methods in Environmental Geology	5 cr	2	Blended teaching (includes contact and	English	no	no	no	no

				distance teaching)					
GEOM2023	Isotope geochemistry	5 cr	1	Contact teaching	English	yes	no	yes	yes (Fin-Geo)
GEOM2027	Metamorphic Petrology	5 cr	2	Contact teaching	English	yes	no	yes	no
GEOM2033	Quantifying the past	5 cr	3	Contact teaching	English	yes	no	yes	yes (Fin-Geo)
GEOM2013	Geology of ore deposits and ore mineralogy	10 cr	3-4	Contact teaching	English	no	no	no	no
GEOM2007	Environmental Geochemistry	5 cr	1-2	Blended teaching (includes contact and distance teaching)	English	yes	yes	yes	yes (Fin-Geo)
GEOM2002	All about teeth	5 cr	Intensive period in May	Contact teaching	English	yes	no	yes	yes (Fin-Geo)
GEOM2036	Sedimentary petrology	5 cr	3	Contact teaching	English	no	no	no	no
Courses including Programming and/or Scientific Software	-	-	-	-	-	-	-	-	-
GEOM2027	Metamorphic Petrology	5 cr	2	Contact teaching	English	yes	no	yes	no

GEOM2051	3D Geological Modelling	3 cr	4 and/or Intensive period in May	Contact teaching	English	yes	no	no	no
GEOM2037	Seismogram and time series analysis	5 cr	Intensive period in August	Contact teaching	English	yes	no	no	yes (Fin-Geo)
GEOM2008	Field course of solid Earth geophysics	5 cr	1	Contact teaching	English	no	no	no	no
GEOM2021	Introduction to Quantitative Geology	5 cr	2	Contact teaching	English	yes	no	yes	no
GEOM2040	Hydrogeochemical Modelling	5 cr	1	Contact teaching	English	yes	no	no	no
GEOM2009	Formation of the Fossil Record	5 cr	4	Contact teaching	English	yes	no	yes	no
Advanced Topics in Geology and Geophysics - Book exam and pop-up courses in academic year 2025-2026	-	-	-	-	-	-	-	-	-
GEOM2052	Book exam	5 cr	1-4 (Examination or general exam days,	Book exam	English	no	no	no	no

			needs to be agreed with the thesis supervisor)						
GEOM2053	Planetary Exploration	5 cr	3-4	Blended teaching (includes contact and distance teaching)	English	yes	yes	yes	yes (Fin-Geo)
GEOM2054	Planetary geophysics	5 cr	1-2	Contact teaching	English	yes	yes	yes	yes (Fin-Geo)
GEOM2055	Paleomagnetism	5 cr	1	Contact teaching	English	yes	no	yes	no