

Courses taught in English 2025/2026

BACHELOR DEGREE (WITH HONOURS) IN GEOLOGY

Course Code	Course Title	ECTS	Lecturers
SEMESTER I			
Geol_001	Mineralogy I	6	D. Papoulis, P. Petrounias
Geol_002	Planet Earth	6	A. Zelilidis, G. Bathrellos
Geol_003	Principles of Oceanography	5	G. Papatheodorou, M. Geraga
SEMESTER II			
Geol_009	Mineralogy II	6	P. Labropoulou, P. Petrounias
Geol_010	Evolution of life - Palaeontology	5	G. Iliopoulos
Geol_011	Geomorphology	4	G. Bathrellos, H. Skylodimou
Geol_012	Cartography and Introduction to GIS	5	K. Nikolakopoulos, E. Simoni
Geol_014	Fieldwork I <i>Geomorphology/Planet Earth/Palaeontology</i>	3	A. Zelilidis (coordinator)
Geol_017	Basic Computer Applications in Geology	3	S. Kokkalas, E. Sokos, P. Labropoulou
SEMESTER III			
Geol_018	Petrography of Igneous Rocks	6	P. Koutsovitis, P. Petrounias
Geol_019	Geochemistry	6	H. Tsikos
Geol_020	Stratigraphy - Historical Geology	6	G. Iliopoulos
Geol_021	Geophysics	6	Z. Roumelioti, P. Paraskevopoulos, P. Stefanopoulos
Geol_022	Fieldwork II - <i>Petrography of Igneous Rocks</i>	2	P. Koutsovitis
Geol_023	Computational Geological Data Analysis	4	E. Sokos, P. Paraskevopoulos, A. Serpetsidaki
Geol_024	Geographical Information Systems	4	K. Nikolakopoulos, E. Simoni
SEMESTER IV			
Geol_026	Petrography of Sedimentary and Metamorphic Rocks	6	P. Koutsovitis, H. Tsikos
Geol_027	Sedimentology	6	P. Avramidis
Geol_028	Structural Geology	6	P. Xypolias
Geol_029	Seismology	5	E. Sokos, Z. Roumelioti, A. Serpetsidaki
Geol_030	Fieldwork III - <i>Sedimentology/Structural Geology</i>	3	P. Avramidis, P. Xypolias
Geol_031	Clay Minerals and Environmental Applications	4	D. Papoulis
Geol_032	Earthquakes Geology	4	I. Koukouvelas, G. Bathrellos
Geol_033	Digital Remote Sensing	4	K. Nikolakopoulos, E. Simoni
SEMESTER V			
Geol_034	Geological Mapping of Sedimentary Rocks	4	P. Xypolias, S. Kokkalas, P. Avramidis
Geol_035	Igneous and Metamorphic Petrology	6	I. Iliopoulos
Geol_036	Marine Geology, Remote Sensing and Geoinformatics	5	G. Papatheodorou, M. Geraga
Geol_037	Applied Hydrogeology	6	E. Zagana
Geol_038	Fieldwork IV - <i>Geological Mapping of Sedimentary Rocks</i>	3	P. Avramidis, S. Kokkalas, P. Xypolias, I. Koukouvelas, G. Iliopoulos, G. Bathrellos
Geol_039	Fieldwork V - <i>Petrology</i>	2	I. Iliopoulos, P. Labropoulou

Geol_040	Industrial Minerals and their Contribution to the Economy	4	I. Iliopoulos, P. Labropoulou
Geol_041	Environmental Sedimentology and Life Cycle assessment	4	P. Avramidis
Geol_042	Digital Photogeological Mapping	4	P. Xypolias
Geol_043	Engineering Seismology	4	E. Sokos, A. Serpetsidaki
SEMESTER VI			
Geol_044	Geological Mapping of Crystalline Rocks	5	S. Kokkalas, P. Xypolias
Geol_045	Energy Sources and Energy Raw Materials	6	S. Kalaitzidis
Geol_046	Geodynamics	5	S. Kokkalas
Geol_047	Engineering Geology	6	N. Depountis
Geol_048	Fieldwork VI - <i>Geological Mapping of Crystalline Rocks</i>	4	P. Xypolias, S. Kokkalas, I. Koukouvelas
Geol_049	Marbles and Aggregate Materials	4	P. Petrounias
Geol_050	Methods on Research and Analysis of Minerals and Rocks	4	I. Iliopoulos, S. Kalaitzidis, P. Labropoulou
Geol_051	Palaeoceanography - Palaeoclimatology	4	M. Geraga
Geol_052	Hydrochemistry	4	E. Zagana
SEMESTER VII			
Geol_053	Principles of Economic Geology – Ore Formation	4	S. Kalaitzidis
Geol_054	Geology of Ground Engineering Projects and Rock Mechanics	4	N. Depountis
Geol_055	Fieldwork VII - <i>Hydrogeology/Technical Geology/Public Works</i>	4	E. Zagana, N. Depountis, S. Kalaitzidis
Geol_057	Petrogenesis of Ophiolite Complexes	4	P. Koutsovitis
Geol_058	Nanogeosciences	4	D. Papoulis
Geol_060	Coal Geology	4	S. Kalaitzidis, K. Christanis
Geol_061	Applied Geomorphology – Natural Hazards and Disasters	4	G. Bathrellos, H. Skilodimou
Geol_062	Sedimentary Basin Analysis	4	A. Zelilidis
Geol_063	Operational Oceanography and Application in the Management of the Marine Environment	4	G. Papatheodorou
Geol_064	Management, Hydroeconomics and Protection of Water Resources	4	E. Zagana
Geol_065	Elements of Geotechnical Mechanics - Computational Numerical Analysis	4	N. Depountis
Geol_066	Hydrology with the use of Geographic Information Systems and Remote Sensing	4	K. Nikolakopoulos, E. Simoni
SEMESTER VIII			
Geol_067	Geology of Greece	5	I. Koukouvelas
Geol_068	Environmental Hydrogeology with elements of Hydrogeoinformatics	6	N. Kazakis
Geol_069	Fieldwork VIII - <i>Ore Geology/Geology of Greece</i>	3	I. Koukouvelas, S. Kalaitzidis, G. Iliopoulos, E. Zagana, D. Papoulis, A. Zelilidis
Geol_072	Introduction to Mineral Exploration and Mining Geology	4	S. Kalaitzidis
Geol_074	Geothermal Energy	4	K. Christanis
Geol_075	Applied and Environmental Geochemistry	4	H. Tsikos
Geol_076	Environmental Oceanography	4	G. Papatheodorou
Geol_077	Applied Micropalaeontology - Paleoenvironment	4	G. Iliopoulos

Geol_078	Protection of the Geological, Geographical and Human Heritage	4	M. Geraga, I. Iliopoulos, E. Simoni, E. Kotzamanidi
Geol_079	Landslide Phenomena in the Terrestrial and Marine Environment	4	N. Depountis, G. Papatheodorou
Geol_080	Engineering Geophysics	4	Z. Roumelioti, P. Stefanopoulos, P. Paraskevopoulos
Geol_081	Petroleum Geology	4	A. Zelilidis
Geol_087	Petrological Approaches to the Study of Ancient Ceramics	4	I. Iliopoulos

MASTER DEGREE IN APPLIED GEOSCIENCES

Course Code	Course Title	ECTS	Lecturers
Specialization: Applied Environmental Geology and Geohazards			
ΕΓΓ-01	Geotechnical investigations and studies for the management of geohazards in infrastructure projects and the environment	6	N. Depountis, N. Sabatakakis, S. Lainas
ΕΓΓ-02	Geohazards: Investigation methods, risk assessment, and environmental impacts	6	N. Depountis, E. Sokos, Z. Roumelioti, E. Zaggana
ΕΓΓ-03	Hydrogeological and hydrogeochemical methods and models for the protection of water resources	6	E. Zaggana, N. Kazakis
ΕΓΓ-04	Earthquakes and seismic disasters	6	Z. Roumelioti, E. Sokos, A. Serpetzidaki
ΕΓΓ-05	Environment and sustainable development	6	P. Avramidis, S. Faulwetter, N. Avraninis
ΕΓΓ-07	Research methods in karst, fractured, and granular aquifers	5	E. Zaggana, N. Kazakis
ΕΓΓ-08	Collection and processing of seismic and geophysical data	5	Z. Roumelioti, E. Sokos, A. Serpetzidaki, P. Paraskevopoulos
ΕΓΓ-09	Computer programming and applications in Geosciences	5	E. Sokos, P. Elias, N. Depountis, Z. Roumelioti, A. Serpetzidaki, P. Paraskevopoulos
Specialization: Management of Mineral Resources in Sustainable Development			
ΟΠΥ-01	Sustainable management of mineral resources exploitation	6	S. Kalaitzidis, K. Christanis, I. Iliopoulos, V. Tsikouras
ΟΠΥ-02	Environmental Applications of Minerals and Rocks	6	D. Papoulis, P. Petrounias
ΟΠΥ-03	Applied Mineralogy and Natural - Anthropogenic disasters	6	P. Labropoulou, P. Koutsovitiss, S. Kalaitzidis
ΟΠΥ-04	Planetary Geology, Exploring the Geology of the Solar System	6	I. Iliopoulos, S. Kalaitzidis, P. Koutsovitiss
ΟΠΥ-05	Gemstones – Gemology	6	P. Lampropoulou, P. Koutsovitiss, X. Tsikos
ΟΠΥ-06	The role of nanominerals in the environment	5	D. Papoulis, S. Panagiotaras
ΟΠΥ-07	Instrumental Methods for the Analysis of Mineral Materials	5	{. Lampropoulou, I. Iliopoulos, S. Kalaitzidis, E. Kotzamanidi
ΟΠΥ-08	Geological, Industrial and Environmental Applications of Organic Petrology	5	S. Kalaitzidis, K. Christanis, M. Wojtaszek-Kalaitzidi,

OPY-09	Archaeometric approaches to the study, conservation, and promotion of Cultural Heritage	5	I. Iliopoulos, A. Hein, P. Pantzou, M. Katsanis, G. Polymeris, E. Kotzamanidi, V. Xamthopoulou
Specialization: Applied Geological Mapping and Field Investigation			
EGX-01	Special Topics in Geological Mapping	6	P. Xypolias, S. Kokkalas
EGX-02	Digital Techniques in Geological Mapping	6	S. Kokkalas, I. Vakalas, N. Gerogiannis, P. Xypolias
EGX-03	Sequence Stratigraphy and Field Investigation	6	A. Zelilidis, N. Bourli
EGX-04	Processing and Analysis of Geological Data in Terrestrial and Marine Environments	6	P. Xypolias, S. Kokkalas, E. Aravadinou, D. Christodoulou, G. Papatheodorou, M. Geraga, X. Dimas, S. Sergiou
EGX-05	Mapping and Analysis of Natural Hazards	6	I. Koukouvelas, G. Bathrellos
EGX-06	Applications of GIS in Geological Mapping	5	Ch. Skylodimou, E. Simoni
EGX-07	Mapping in the Marine Environment	5	D. Christodoulou, G. Papatheodorou, M. Geraga,
EGX-08	Identification and Mapping of Geological and Cultural Heritage Areas	5	G. Iliopoulos, P. Papadopoulou, N. Zouros