

SCHOOL OF SCIENCE
DEPARTMENT OF GEOLOGY AND GEOENVIRONMENT

Undergraduate Study Guide
(Summary Edition)

Academic Year 2026–2027



RECTORATE

Rector: Gerasimos Siasos

SCHOOL OF SCIENCE

Dean: Aristeidis Parmakelis

DEPARTMENT OF GEOLOGY AND GEOENVIRONMENT

Chair: Assimina Antonarakou
Vice Chair: Ioannis Alexopoulos

TABLE OF CONTENTS

FORWARD	3
Welcome Message from the Chair of the Department	4
The National and Kapodistrian University of Athens	5
Schools and Departments of the University of Athens	5
Zografou University Campus	6
Staff of the University of Athens	6
The Department of Geology and Geoenvironment	7
The Role of Geosciences	7
Facilities	10
Academic Units (Sections-Laboratories-Museums)	10
Sections, Laboratories and Museums	11
Section of Mineralogy and Petrology	11
Section of Historical Geology and Paleontology	12
Section of Geography and Climatology	13
Section of Geophysics and Geothermy	13
Section of Economic Geology and Geochemistry	14
Section of Dynamic, Tectonic and Applied Geology	15
Laboratory of Remote Sensing	16
Laboratory for Study and Management of Natural Disaster	16
Laboratory and Center for Museum Research (Interinstitutional)	16
Museum of Paleontology and Geology	16
Museum of Mineralogy and Petrology	17
Spatial Layout	19
Staff 25	
Undergraduate Study Programme Regulations	28
Courses Catalogue	38
USEFUL INFORMATION	41
Academic Calendar 2026 - 2027	41
Accessibility Units	42
Directorate of Student Welfare	43
Student Healthcare Service	44
Foreign Language Teaching Centre	45
University of Athens Student Cultural Association	45
University Sports Centre (Fitness Center and Swimming Pool)	45
Student Counseling Center	46
Scholarships and Awards	46
Library of the School of Science	46

FORWARD

The **Study Guide of the Department of Geology and Geoenvironment** outlines key aspects of the Department's identity at the present time¹ and serves as the primary source of information regarding the profile of the Department, the curriculum of the current academic year, and other useful information.

It is primarily addressed to first-semester students, offering them a comprehensive overview of their academic path. Through its pages, students are provided with information that will support their first steps in everyday academic life.

We wish everyone a productive academic year!

English Edition: September, 2026 (Ver. 01.09.2026)

¹ The Department is continuously evolving, educating and inspiring students in the field of Geosciences. For this reason, regular visits to the Department's website (<http://www.geol.uoa.gr/>), which is continuously updated, are essential for ensuring comprehensive and timely information.

WELCOME MESSAGE FROM THE CHAIR OF THE DEPARTMENT

Dear students,

On behalf of the Department of Geology and Geoenvironment, I would like to warmly welcome you all, whether you are just beginning or continuing your academic journey in our Department, for the Academic Year 2026–2027.

As a Department within the broader School of Science, and with a strong commitment to educating and preparing future geoscientists, we encourage collaborative learning and mutual support. We foster a community free from intolerance and discrimination, promoting a supportive and safe environment built on respect and cooperation. These fundamental values have enabled us, for over 50 years, to provide a learning environment where everyone can pursue their aspirations and reach their full potential.

There has never been a more important time in global history to study the Geosciences. The way we live and operate on our planet must change rapidly to address global challenges such as climate change and environmental pressures. This awareness guides our continuous efforts to enhance the educational process, with a primary focus on strengthening the employability of our graduates and producing research with international impact.

I would like to extend my sincere congratulations on your achievement. You are now officially entering higher education. University life is not only a valuable stage in your personal development, but also an important opportunity to broaden your horizons and shape your future.

The first challenge you will face is adapting to a new way of life. Over the next four years, you are expected to become independent and well-organized, develop time management skills, cultivate creativity, and maintain a positive attitude towards challenges. You will also need to adjust to a new style of learning, requiring greater initiative and active participation than in secondary education.

From our side, we assure you that you will have full support throughout your studies. All members of the Department are committed to providing a rewarding academic experience, and we hope to build a lasting relationship with you. You enter as undergraduate students and graduate as geologists, our colleagues. Your success is also our success. For continuing students, the new academic year represents a further step in developing scientific knowledge and enhancing research skills.

In an era of rapid change and technological advancement, you are called upon to face new academic challenges. I encourage you to pursue innovation in your work and adopt a problem-solving approach supported by interdisciplinary knowledge. The Department places strong emphasis on research, innovation, and participation in cutting-edge scientific activity.

Our University ranks among the leading institutions worldwide, and this requires commitment to academic integrity and research ethics. I encourage you to make full use of the opportunities available and pursue your interests with confidence.

Wishing you all good health and success in your studies.

Chair of the Department of Geology and Geoenvironment

Professor Assimina P. Antonarakou

The **National and Kapodistrian University of Athens** (<https://www.uoa.gr>) is the oldest Higher Education Institution in Greece.

Founded in 1837 as the “Othonian University of Greece,” the institution originally consisted of four Schools: Theology, Medicine, Law, and Philosophy. It was later renamed the “National University”. In 1911, the “Kapodistrian University” was established in accordance with the will of the University’s major benefactor, Ioannis Dombolis. The Schools of Theology, Law, and Philosophy became part of the new institution, while the Schools of Medicine and Physical and Mathematical Sciences (now the School of Science) remained under the “National University”.

The two institutions had separate legal status and seals but shared a common administration. Under the 1932 Statute (Law 5343), which governed the University until the enactment of Framework Law 1268/1982, they were unified under the name “National and Kapodistrian University of Athens”. The new structure preserved a common administration while allowing each institution to retain its legal status and authority over its endowments. Article 16, paragraph 5 of the 1975 Constitution later established the University’s full self-governance as a Higher Education Institution.

The University of Athens was initially housed in a building in Plaka (5 Tholou Street), which now serves as a museum and venue for conferences and other events. Its restoration was completed in 1987, during the celebrations marking the University’s 150th anniversary.

SCHOOLS AND DEPARTMENTS OF THE UNIVERSITY OF ATHENS

According to current legislation, the National and Kapodistrian University of Athens is structured into Schools, which constitute its main educational and administrative units.

Each **School** encompasses related scientific disciplines, promoting interdisciplinarity, interaction between fields of knowledge, and the necessary coordination for teaching and research. At the same time, it supervises and coordinates the operation of the Departments under its authority, in accordance with their respective Study Regulations.

The University of Athens consists of the following nine (9) Schools:

- [1] **School of Science** (www.uoa.gr/scholes_kai_tmimata/thetikon_epistimon & <https://deansos.uoa.gr>)
- [2] School of Health Sciences
- [3] School of Physical Education and Sport Science
- [4] School of Education
- [5] School of Theology
- [6] School of Law
- [7] School of Economics and Political Sciences
- [8] School of Philosophy
- [9] School of Agriculture, Food and Sustainability

Each School consists of **Departments**. The **Department** is the fundamental academic unit of the Institution and is responsible for advancing a specific scientific, technological, humanities, or artistic field through education and research.

The **School of Science** consists of the following nine (9) **Departments**:

- [1] **Department of Geology and Geonvironment** (<https://www.geol.uoa.gr>)
- [2] Department of Biology
- [3] Department of History and Philosophy of Science
- [4] Department of Mathematics

- [5] Department of Informatics and Telecommunications
- [6] Department of Physics
- [7] Department of Chemistry
- [8] Department of Aerospace Science and Technology
- [9] Department of Digital Industry Technologies

ZOGRAFOU UNIVERSITY CAMPUS

The Department of Geology and Geoenvironment is housed in the building complex of the School of Science at the Zografou University Campus (<https://maps.uoa.gr>). Since 2022, following a decision by the University's governing authorities, the campus streets have been named in honor of individuals associated with the University of Athens who have contributed to enhancing its reputation in Greece and internationally. (<https://hub.uoa.gr/road-names-nkua-camp>)

STAFF OF THE UNIVERSITY OF ATHENS

The personnel of the University of Athens are classified into the following categories:

1. Faculty Members (Teaching and Research Staff).

All faculty members hold a doctoral degree and are classified into three ranks: (a) Professors, (b) Associate Professors, and (c) Assistant Professors.

2. Laboratory Teaching Staff.

Members of this category provide laboratory and applied teaching, contributing significantly to the practical training of students and supporting instruction in specialized subject areas.

3. Special Technical Laboratory Staff.

These staff members play a crucial role in supporting the operation of Higher Education Institutions by providing specialized technical and laboratory services. Their work enhances the quality and effectiveness of educational, research, and applied activities.

4. Administrative Staff

Administrative staff support the operation of the University at both organizational and functional levels. They consist of various categories of employees depending on the nature of their responsibilities.

5. Temporary Teaching Staff

This category includes: (a) instructors participating in the programme "Acquisition of Academic Teaching Experience for Early Career Researchers Holding a PhD," (b) appointed lecturers in accordance with Article 173 of Law 4957/2022, and (c) educators seconded from primary and/or secondary education. This staff contributes to covering teaching needs, enhancing the educational process through the participation of highly specialized and experienced scientists.

THE DEPARTMENT OF GEOLOGY AND GEOENVIRONMENT

According to the University's founding statute established in 1839, provision was made, among other things, for the establishment of a **Chair of Natural History**, covering the fields of Zoology, Mineralogy, Geology, and Botany. In 1843, the Rector at the time (K. Asopios) emphasized to the government the importance of **natural sciences** studies.

K. Mitsopoulos, who served as Rector during the period 1900–1901, considered it necessary to divide the School of Philosophy into a School of Philology and a School of Mathematical and Physical Sciences, a reform that was implemented in 1904.

In **1922**, the **School of Physical and Mathematical Sciences** was established, comprising 18 academic disciplines (chairs), including Mineralogy and Petrology, Paleontology and Geology, as well as Geography.

In **1935** (Law 5343), the **Natural Sciences Department** was established as the fifth Department of the School of Physical and Mathematical Sciences. Among other degrees, it awarded a degree in "Natural Sciences and Geography," combining fields that correspond to today's Biological and Geological Sciences.

In **1970**, the Natural Sciences Department was divided into two independent Departments: **the Department of Geology** and the **Department of Biology**, each awarding its respective degree.

In **2004**, the Department of Geology was renamed the "**Department of Geology and Geoenvironment**," incorporating all fields of Geosciences related to the environment.

The **Department of Geology and Geoenvironment** (<https://www.geol.uoa.gr>) aims at the continuous improvement of the educational process, the active participation of students in research projects, and their training and specialization in modern methodologies and technologies. In this way, it seeks to educate a new generation of scientists with a contemporary perspective and strong academic background, who will contribute to the advancement of Geosciences and environmental science.

THE ROLE OF GEOSCIENCES

Geology is often considered a "young" science, even though the first geological—or proto-geological—treatises were written as early as antiquity, with notable contributions from Aristotle, Theophrastus, Strabo, Pliny, and others. The slower development of Geology compared to the "traditional" Natural Sciences is partly due to the difficulty humans have in perceiving the spatial, and especially the temporal scales that govern Earth processes that often take place before our very eyes.

Observation and study in the present provide insights into events that occurred in the past (whether distant or recent), while also offering indications of possible future developments. These concepts are closely linked to Geological Time and the Geological Cycle. For a long period, the understanding of Earth remained anchored in theories and assumptions such as "Creationism" and "Catastrophism".

Geology, however, is not based on fixed axioms. Its fundamental principles have been continuously questioned and debated, until groundbreaking theories—such as Plate Tectonics—became established, revolutionizing our understanding of the Earth. Since then, the Earth has been regarded as a biogeodynamic system, continuously evolving in space and time.

Geology differs from other Natural Sciences in that laboratory experiments using small-scale models and controlled variables have limited applicability, making the use of alternative research methods necessary. Its approach is largely descriptive, focusing on the study of specific structures under defined conditions. Complex geological processes and phenomena—such as orogenesis, weathering and erosion, sedimentary processes, earthquakes, volcanoes, crustal deformation, and the interaction between climate and tectonic activity—cannot be adequately described through simple mathematical models.

Nevertheless, Mathematics, Physics, and Chemistry have contributed significantly to the development of individual branches of Geosciences, enabling precise measurements and the quantitative analysis of geological processes.

By the late 19th and early 20th centuries, atomic and nuclear physics, along with crystallography, provided new momentum to geoscientific measurement and to the development of fields such as Mineralogy, Petrology, Paleontology, and Geophysics (as an interdisciplinary field between Physics and Geology).

In the decades that followed, particularly after 1960, there has been increasing use of mathematics, statistics, and computer science, as well as modern microscopic and analytical techniques. Geology has thus become significantly more quantitative, though not without methodological challenges. Technological progress has played a decisive role in advancing Geology and the Geosciences more broadly, enabling a more objective understanding of complex processes, from the Earth's crust to its core, and from macro- to nanoscale, leading to their modeling.

For example, satellite-based methods, as well as the analysis and dating of rocks and fossils at microscopic and submicroscopic scales, combined with other scientific approaches, have provided new impetus for addressing key research questions within the broader scientific context.

As a distinct scientific discipline, Geology now encompasses numerous specialized branches of both basic and applied research, including Mineralogy, Petrology, Physical Geography, Paleontology, Stratigraphy, Climatology, Seismology, Tectonics, Geochemistry, Geophysics, Volcanology, Economic Geology, Hydrogeology, Geothermal Studies, Soil and Rock Mechanics, Marine Geology, Environmental Geology, and Planetary Geology.

Moreover, its interaction with both related and unrelated fields—from Mathematics, Engineering, and Chemistry to Biology, Medicine, and Archaeology—provides geoscientists with a holistic approach to studying and managing their subject of research. Geologists possess the knowledge and skills required to address complex, multidisciplinary challenges involving multiple variables and parameters.

Despite technological advancements, geologists continue to rely on primary data obtained directly from the Earth, and fieldwork remains a fundamental and indispensable part of their work. Any model developed, any data derived from satellite imagery, statistical analysis, or numerical simulation must still be verified even today, using simple, time-tested tools such as the geological hammer, compass, magnifying lens, and geological map.

The collection of primary data can be enhanced through modern technologies such as portable X-ray analyzers, LiDAR and SWATH systems for high-resolution mapping of terrestrial and submarine relief, and Geographic Information Systems (GIS) integrated with Global Positioning Systems (GPS). This is followed by laboratory analysis and evaluation, using both conventional and highly advanced techniques, including those based on satellite data or even particle accelerators and synchrotron radiation.

Thus, the geoscientist divides their time between fieldwork and laboratory work, as each depends on the other, the former requiring the latter for interpretation, and the latter relying on the former for data.

The study of minerals and rocks, fossils, the structure of the Earth, seismic and volcanic activity, and, more broadly, the deformation of the Earth's crust are only some of the subjects within the field of Geology.

Consequently, the Geosciences play an increasingly important role in the modern world, contributing to the exploration and utilization of mineral resources (including industrial minerals, as well as critical and precious metals and stones), the search for energy resources, the investigation and management of surface and groundwater, the development and management of engineering projects, the prevention and management of natural hazards, and, of course, environmental management (including impact assessment, sustainable resource planning, restoration, and remediation).

Studies on the identification of deposits of metals, solid fuels, hydrocarbons, natural gas, and geothermal fields provide opportunities for energy resource exploitation, contributing positively to a country's GDP. Research also focuses on human-modified environments (such as mining waste and pollution management). Furthermore, research into the mechanical and chemical properties of minerals and rocks, as well as their use as construction materials, opens new prospects for modern and sustainable infrastructure.

Research on the identification, utilization, and protection of water resources is of vital importance and contributes to regional development. In the field of construction (dams, tunnels, transport infrastructure, ports, etc.), Geology plays a crucial role. Detailed geological studies can prevent failures in infrastructure projects and help predict environmental impacts arising from their construction and operation.

The construction of projects of all scales and the expansion of settlements also require studies on soil and subsoil suitability, seismic activity, and seismotectonic characteristics, to ensure appropriate design and reduce seismic risk. Other natural hazards, which are intensifying due to population growth in high-risk areas and/or climate change, also require systematic study and effective management.

The 21st-century geoscientist is called upon to address issues related to societal well-being and economic development, while ensuring environmental protection. As scientists, they possess a deep understanding of the geoenvironment and recognize that the Earth is a living planet, a system of interaction between the atmosphere, biosphere, hydrosphere, and lithosphere, where living and non-living components coexist.

The Earth has existed for approximately 4.5 billion years, during which life has emerged and evolved, sometimes gradually and sometimes rapidly. Geobiological research shows that throughout this time there have been numerous mass (and non-mass) extinctions, natural disasters, climatic fluctuations, ecosystem shifts, and the emergence of new species.

Evidence of the earliest forms of life is found in sediments (now transformed into metamorphic rocks), either as fossils or as mineralogical, geochemical, or isotopic signatures. Microorganisms associated with early life forms, such as bacteria and archaea, rely on chemosynthesis, deriving energy from chemical and mineral phases with which they interact. These organisms still survive today in extreme geochemical environments, the study of which provides valuable insights into the early stages of life on Earth, as well as the potential evolution of life on other planets.

The Holocene, the current geological epoch during which human civilization developed, began approximately 11,700 years ago, following the end of the last—though not the only—Ice Age, and until recently was considered a relatively stable period. However, the increasing impact of human activity, which disrupts the delicate balance of the geoenvironment and natural climate variability, as well as destabilizes the hydrosphere and biosphere, has led to the proposal of the term “Anthropocene” for the present era.

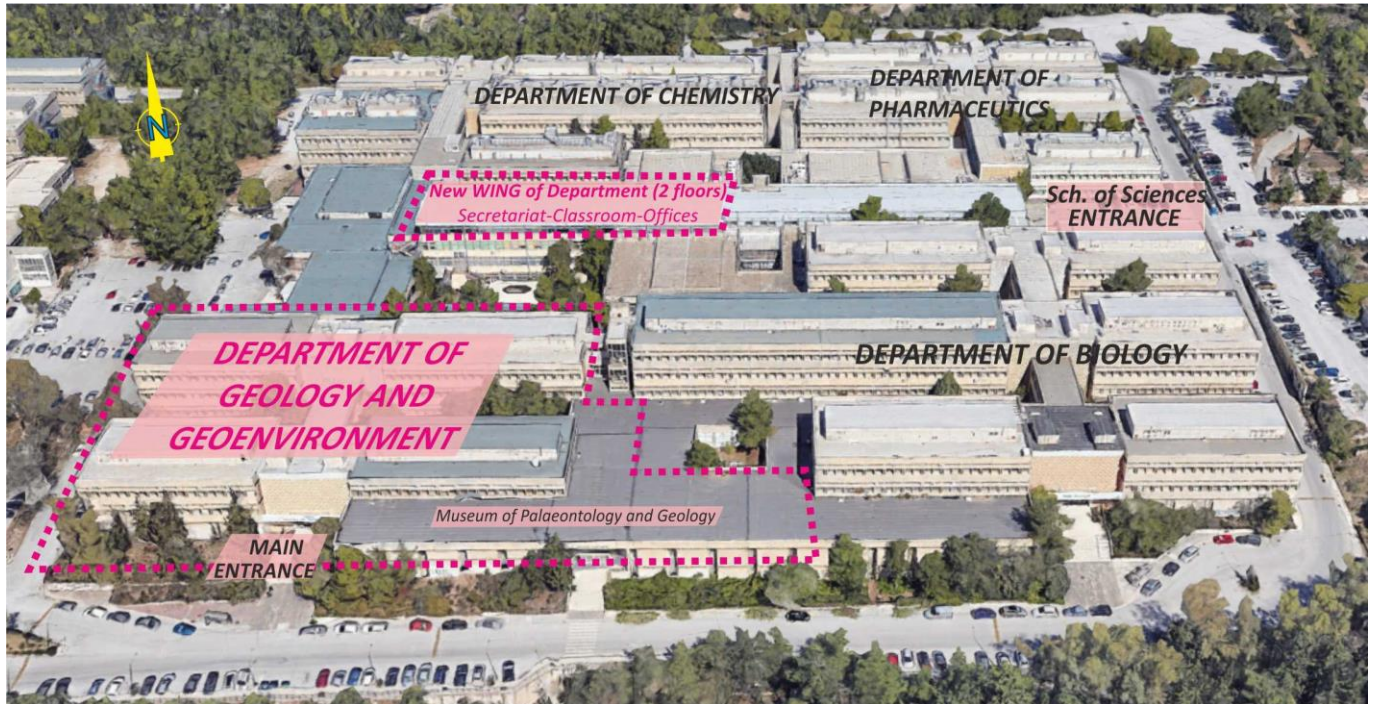
In this constantly changing world, the study, management, and protection of the geoenvironment have become essential for humanity. A well-trained geoscientist is called upon to play a key role in addressing the needs of modern societies, particularly in the planning of geoenvironmental policy within the framework of sustainable development and environmental responsibility.

The aim of the undergraduate programme of the Department of Geology and Geoenvironment of NKUA is to prepare future professionals capable of addressing a wide range of academic and applied challenges. At the same time, further specialization, either in Greece or abroad, is considered essential due to the broad scope of the Geosciences.

Geosciences and geoscientists will play a crucial role in developments of global significance. Answering questions regarding the existence of water, mineral resources, or tectonic activity on Mars or other planets will not only contribute to the understanding and protection of our own planet, but also to the potential colonization of space and the future evolution of human civilization in the 21st century.

FACILITIES

The Department is housed within the building complex of the School of Science, at the Zografou University Campus. The Departments of Biology, Chemistry, and Pharmacy are also located within the same complex. The Department's facilities occupy the western section of the complex.



The **MAIN ENTRANCE** of the Department is located on the western side of the complex, where its main building is situated.

A **second entrance** to the Department (also known as the “School of Science entrance”) is located on the eastern side of the complex, at a level corresponding to the 2nd floor of the main building and provides direct access to the Department's **new WING**. The new WING houses the **SECRETARIAT**, six (6) classrooms, and offices of the Department's academic units.

The Department is internally connected to the other Departments within the complex through a network of corridors.

ACADEMIC UNITS (SECTIONS-LABORATORIES-MUSEUMS)

The Department is organized into Academic Units, consisting of:

Six (6) Sections

- [1] Section of Mineralogy and Petrology
- [2] Section of Historical Geology and Paleontology
- [3] Section of Geography and Climatology
- [4] Section of Geophysics and Geothermy
- [5] Section of Economic Geology and Geochemistry
- [6] Section of Dynamic, Tectonic and Applied Geology

Twelve (12) Laboratories

- [1] Laboratory of Mineralogy and Petrology
- [2] Laboratory of Historical Geology and Biogeosciences
- [3] Laboratory of Geoscience Education
- [4] Laboratory of Physical Geography
- [5] Laboratory of Climatology and Atmospheric Environment
- [6] Laboratory of Seismology

- [7] Laboratory of Geophysics
- [8] Laboratory of Economic Geology and Geochemistry
- [9] Laboratory of Tectonics and Geological Mapping
- [10] Laboratory of Remote Sensing (*independent academic unit of the Department*)
- [11] Laboratory for Study and Management of Natural Disaster (*independent academic unit of the Department*)
- [12] Laboratory & Museum Research Center

Two (2) Museums

- [1] Museum of Paleontology and Geology
- [2] Museum of Mineralogy and Petrology

SECTIONS, LABORATORIES AND MUSEUMS

The Department is structured into individual units, namely Sections, Laboratories, and Museums. These units support its administrative functions and contribute to its scientific and educational activities. Their purpose is to coordinate the Department's educational, scientific, and research work across all its fields of expertise.

Section of Mineralogy and Petrology

The Section of Mineralogy and Petrology focuses on the study and education of undergraduate and postgraduate students in topics related to the classification and description of minerals and rocks, their properties, and their behavior in space and time.

It also examines their origin, environmental and health impacts, uses, structure, chemistry, and the development of crystalline phases, as well as magmatic, sedimentary, and metamorphic processes, and the nature and consequences of volcanism. Specific research areas include:

- Geometric properties and internal structure of crystals
- Formation, growth, and systematic classification of minerals
- Generation, differentiation, intrusion, and extrusion of magmas
- Volcanoes and volcanic materials and processes
- Physicochemical and thermodynamic conditions during magmatism, sedimentary rock formation, metamorphism, and deformation
- Types and structures, formation or deposition, evolution, and emplacement of plutonic, sedimentary, and metamorphic rocks
- Dating of petrological sequences and geological processes
- Uses and environmental behavior of minerals and rocks
- Mineral assemblages and petrological relationships within the framework of plate tectonics and the geological evolution of the Earth

The **Laboratory of Mineralogy and Petrology**, which belongs to the Section of Mineralogy and Petrology, conducts both fundamental and applied research, including the development of applications related to the geoenvironment and industry in Greece.

The main activities of the Laboratory include the sampling and processing of minerals and rocks (e.g. cutting, crushing, and pulverization of rocks, polishing, and preparation of thin sections), the determination of the crystalline structure of minerals, the qualitative and quantitative analysis of the chemical composition of minerals, rocks, and sediments, as well as the chemical analysis of surface and groundwater fluids and gases.

In addition, the Laboratory performs determinations of the physical properties of geological samples, such as crystal dimensions, morphology, orientation, and internal structure. It also assesses the technical properties of minerals and rocks and conducts gemological analyses to evaluate the quality of precious and semi-precious stones.

The laboratory infrastructure supports X-ray diffraction analyses, optical microscopy using polarizing microscopes, as well as chemical sample preparation in darkroom conditions for cathodoluminescence analysis. The facilities are available to undergraduate and postgraduate students of the Department of Geology and Geoenvironment.

Website: <https://minpet.geol.uoa.gr/ergastiria>

Section of Historical Geology and Paleontology

The Section of Historical Geology and Paleontology covers scientific fields such as Historical Geology, Stratigraphy, Paleontology, and Sedimentology, as well as a wide range of other specialized areas. It contributes significantly to the scientific and educational work of the Department of Geology and Geoenvironment. These fields include:

- Invertebrate Paleontology
- Micropaleontology
- Vertebrate Paleontology, Paleoanthropology, diagenesis of bones and teeth
- Paleobotany, Palynology
- Fossilization, Geochronology, Archaeometry, Geoarchaeology
- Fossil conservation, Museum Studies, Geological Heritage
- Lithostratigraphy, Biostratigraphy, Chemostratigraphy, Magnetostratigraphy, Stratigraphy of Alpine and post-Alpine formations, etc.
- Paleocology, Paleoclimatology, Evolutionary Paleocology, Paleogeography
- Sedimentary Basin Analysis, Marine Geology
- History and Philosophy of Geosciences, Geoscience Education

All the above contribute to our understanding of the evolution of life and the planet's biodiversity, the reconstruction of past environmental conditions, paleogeography, climate change in earlier geological periods, and their impact on living organisms.

Furthermore, they focus on the use of microfossils as indicators of environmental health in marine environments, the documentation of geological heritage sites, and other related fields. The Section also organizes and conducts paleontological excavations. Website: <http://geopal.geol.uoa.gr>

The **Laboratory of Historical Geology and Biogeosciences**, one of the oldest laboratories of the University of Athens, belongs to the Section of Historical Geology and Paleontology. It plays a significant role in both education and scientific research in fields such as Paleontology, Micropaleontology, Stratigraphy, Sedimentology, Historical Geology, Paleocology, and Ecostratigraphy.

The Laboratory is equipped with a modern thin-section preparation unit, facilities for the extraction and conservation of fossils and microfossils, as well as equipment to produce casts. In addition, it operates a modern sedimentary basin analysis unit.

For educational and research purposes, the Laboratory includes an e-learning classroom equipped with 24 computers and an equal number of stereoscopic microscopes, as well as five polarizing microscopes (three of which are equipped with digital imaging capabilities). It also features a scanning electron microscope (SEM) laboratory, connected to an X-ray microanalyzer (WDS).

The **Laboratory of Geoscience Teaching and Learning** also belongs to the Section of Historical Geology and Paleontology. It was established with the aim of promoting a holistic approach to geosciences in education and enhancing geoscientific literacy in society, contributing to the effective management of geoenvironmental challenges.

The main objectives and areas of activity of the Laboratory include:

A. Meeting the educational needs (at both undergraduate and postgraduate levels) of the Section of Historical Geology and Paleontology and the Department, as well as other Departments of the National and Kapodistrian University of Athens and other educational institutions in Greece, in the field of Geoscience Education.

B. Developing and promoting both basic and applied research in Geoscience Education. Within basic research, the Laboratory studies the principles, processes, and general or specific challenges of teaching geosciences and conducts relevant studies. In applied research, it adopts multidimensional approaches for the development of innovative teaching methods across all levels of education.

C. Promoting collaboration with primary and secondary education, aiming at the training and support of teachers and students, as well as their familiarization with modern teaching approaches. Indicative activities include the provision of specialized educational material, the development of digital applications, and the implementation of pilot educational interventions.

D. Promoting collaboration with other scientific fields (such as Education, Psychology, Sociology, etc.), highlighting the multidisciplinary nature of Geoscience Education.

To achieve the above objectives, the Laboratory organizes conferences, symposia, seminars, summer schools, workshops, scientific meetings, lectures, and other academic events. It also produces specialized publications and invites distinguished Greek and international scientists, educators, and researchers of international standing.

E. Encouraging socially oriented, multi-level initiatives aimed at disseminating geoscientific knowledge and strengthening the Laboratory's connection with society. Public awareness of basic geological concepts is essential for understanding geoenvironmental challenges (e.g. floods, landslides, desertification, etc.) faced by the country. Education in this field constitutes a key step toward their effective management. In this context, the Laboratory develops collaborations of all types (educational, research, publishing, etc.) with public and private sector organizations (e.g. local authorities, scientific, social, and business organizations).

Section of Geography and Climatology

The Section of Geography and Climatology focuses on the study and understanding of processes in atmospheric, terrestrial, and marine environments, through the application of modern technologies such as Geographic Information Systems (GIS), satellite image analysis, mathematical processing of geographic and environmental data, as well as innovative methods of underwater research. The Section's research areas include:

- Recent geomorphological and geological evolution of terrestrial and submarine landscapes
- Climate change, processes of extreme weather and climate phenomena, and their impacts on the natural and social environment
- Coastal and inland waters, with emphasis on the management and utilization of water resources
- Coastal erosion processes and sea-level rise
- Desertification processes and the environmental impacts of large-scale wildfires
- Study, analysis, assessment, and management of natural hazards, and mitigation of their impacts
- Management of complex environmental issues in ecosystems and coastal zones
- Development of digital analysis and modeling techniques for geomorphological processes
- Study, protection, and promotion of karst landforms
- Land-use planning and spatial planning from a geographical and geomorphological perspective

Webpage: <https://geogclim.geol.uoa.gr>

The **Laboratory of Physical Geography** belongs to the Section of Geography and Climatology and focuses on the study of contemporary geological, geomorphological, and environmental changes of the Earth's surface (terrestrial and marine environments).

Members of the Laboratory conduct research in deltaic, coastal, fluvial, and marine environments, and focus on coastal vulnerability indices, sea-level rise, the study, assessment, and mitigation of natural hazards (such as erosion, landslides, and floods), karst and glacial geomorphology, land-use determination, spatial planning, coastal morphology, sediment dynamics, marine geodynamics, the evolution of terrestrial and submarine landscapes, remote sensing, and GIS applications.

The Laboratory's research practices include drilling, sediment coring in deltaic and marine environments, chemical analyses of river waters, measurements of river discharge and sediment load, monitoring of coastal currents and wave dynamics, sampling of surface seabed sediments, mapping of submarine topography, and geophysical seabed surveys using state-of-the-art equipment (LiDAR, UAVs). Webpage: <http://lpg.geol.uoa.gr>

The **Laboratory of Climatology and Atmospheric Environment** belongs to the Section of Geography and Climatology and supports the Section's research activities at both fundamental and applied levels, with advanced scientific equipment.

The research conducted by the Laboratory's academic staff focuses on the atmospheric environment, climate variability across different spatial and temporal scales, atmospheric circulation and teleconnections, measurements of meteorological parameters and ultraviolet (UV) radiation, air quality, and the impacts of weather and climate on the natural environment and public health. It also investigates the causes and processes of extreme weather and climate phenomena (such as heatwaves, droughts, floods, tornadoes, etc.).

In addition, to fulfill its research and educational objectives, the Laboratory has developed collaborations with research institutes and universities in Greece and abroad, as well as with public sector organizations such as hospitals and local authorities. Webpage: <http://lcae.geol.uoa.gr>

Section of Geophysics and Geothermy

The Section of Geophysics and Geothermy was established in 1983 as the successor to the "Chair of Seismology" (founded in 1931), while incorporating the Seismology Laboratory (founded in 1929) as an affiliated academic unit. Since then, the Section has undergone rapid and multifaceted development to keep pace with the significant international advances in geophysical sciences. This effort subsequently led to the establishment of the Geophysics Laboratory in 1999.

Throughout their long history, the “Chair of Seismology” and the Section of Geophysics and Geothermy have accumulated extensive experience in nearly all fields of theoretical and applied geophysics, through both research and teaching activities. In parallel, over the past 30 years, the Section has developed strong links and a wide range of collaborations with numerous international research organizations and universities. The Section’s research areas include:

- Monitoring and assessment of seismic activity (seismicity)
- Engineering Seismology and analysis of seismic hazard and risk, including strong ground motion data analysis, microzonation studies, and urban vulnerability assessment
- Physics of seismic sources and earthquake prediction research
- Seismotectonics and Geodynamics
- Macroseismology, Historical Seismology, and Archaeoseismology
- Development of preparedness and protection systems against seismic risk, including relevant training for university students, school students, and the public
- Methodological research involving the development of subsurface investigation techniques within the field of applied geophysics
- Environmental and Engineering Geophysics
- Study and exploration of geothermal and other energy resources, as well as mineral resources
- Physics of the Earth’s interior – study and analysis of the structure of the solid crust at all scales
- Space-based (satellite) applications in Geosciences and Geodynamics (DGPS, SAR/InSAR, thermal imaging, etc.)

The Section offers undergraduate and postgraduate courses in Geophysics and Seismology and participates in postgraduate programmes focused on natural hazard analysis, thus providing a comprehensive approach to the teaching of geophysical sciences. Its educational, research, and other activities are presented on the websites of the Section and its Laboratories. Webpage: <http://www.geophysics.geol.uoa.gr>

The **Laboratory of Seismology** belongs to the Section of Geophysics and Geothermy and was established in 1929 with the aim of contributing to the education of students of the Department of Physics and the former Natural Sciences Department, as well as to the instrumental monitoring and research of seismicity in the Greek region, in collaboration with the Geodynamic Institute of the National Observatory of Athens.

The scientific and technical staff of the Laboratory have been repeatedly recognized by governmental authorities and the administration of the University of Athens for their research achievements, rapid response, and contribution to the understanding and mitigation of the effects of strong earthquakes in Greece. Their expertise is reflected in numerous publications in international scientific journals and books, participation in a wide range of national and international research projects and civil protection studies, as well as long-standing collaborations with research and academic institutions abroad.

The Laboratory operates the ATHENET digital telemetric seismological network, consisting of 32 stations, which monitors in real time the seismicity of Central Greece and the Cyclades (for more information, see here). In addition, it maintains 30 portable seismographs and accelerometers, as well as modern infrastructure for the processing, analysis, and interpretation of seismological data. Webpage: http://dggs1.geol.uoa.gr/en_index.html

The mission of the **Laboratory of Geophysics** is to support the educational activities of the Section and the Department by providing high-level practical training in modern methodologies and techniques for the analysis and interpretation of geophysical data. At the same time, it supports research activities through the use of modern geophysical survey instruments and advanced computational infrastructure.

In recent years, the Laboratory has made significant efforts to develop high-resolution methodologies for subsurface imaging and investigation, as well as modern software for geophysical data processing. It has also expanded its activities into space-based (satellite) applications in Geosciences and Geodynamics (DGPS, SAR/InSAR, thermal imaging, etc.).

The Laboratory has developed strong collaborations with corresponding academic and research units in Greece and abroad. It is also actively involved in the dissemination of scientific knowledge through the organization of seminars, symposia, and lectures.

Finally, it provides a wide range of geophysical services to public and private sector organizations and individuals, particularly in areas related to engineering and environmental studies, as well as studies concerning mineral and water resources and geothermal energy. Webpage: <http://geophysicslab.geol.uoa.gr>

Section of Economic Geology and Geochemistry

The Section of Economic Geology and Geochemistry combines the study of ore deposit geology and geochemistry, with the aim of describing and understanding the processes of ore formation, as well as quantifying the environmental impacts associated with the exploitation of mineral and energy resources.

The Section's research also focuses on the development of methods and the identification of technical solutions to problems related to the sustainable utilization of mineral deposits, the quality control of produced raw materials, and the assessment of environmental impacts resulting from soil and natural water contamination due to mining activities. Specifically, its research areas include

- Exploration and evaluation of mineral resources
- Determination of the geochemical baseline of soils and waters
- Study of biogeochemical processes related to mineral deposits
- Assessment of environmental impacts of mining activities
- Investigation of the use of mineral resources for environmental protection
- Assessment and management of soil and water contamination
- Development of sustainable remediation techniques for contaminated soils
- Urban Geochemistry

The **Laboratory of Economic Geology and Geochemistry** belongs to the Section of Economic Geology and Geochemistry and supports the research activities of students and academic staff of the Department at both fundamental and applied levels, in areas related to the chemical and mineralogical analysis of a wide range of geological samples (rocks, minerals, ores, soils, waters, etc.).

In particular, the Laboratory provides services related to the design and implementation of soil geochemical surveys at local and regional scales, as well as the preparation of solid and liquid samples for total chemical and mineralogical analysis (including crushing, sieving, separation, pulverization, homogenization, and preparation of thin and polished sections, among others).

The Laboratory's academic staff also specialize in the application of various digestion and extraction methods (total digestion of rocks, soils, and ores, leaching experiments, sequential extraction of trace elements, in vitro bioaccessibility methods, etc.), the measurement of major and trace element concentrations using Atomic Absorption Spectroscopy (AAS), and the determination of anion concentrations using UV-Vis spectrophotometry. Mineralogical analyses are carried out using a scanning electron microscope (SEM) equipped with an EDS microanalyzer, a fluid inclusion analysis system, and X-ray diffraction (XRD) of powdered samples.

In order to better fulfill its educational and research objectives, the Laboratory has developed extensive collaborations with analytical chemistry laboratories of the Department of Chemistry of NKUA, as well as with international research and academic institutions and stakeholders from the mining industry. Webpage: <https://geochem.geol.uoa.gr>

Section of Dynamic, Tectonic and Applied Geology

The Section of Geodynamics, Tectonics and Applied Geology focuses on the dynamics of the Earth's interior. To this end, it collects geological data and develops new techniques for their analysis and interpretation, supported by numerical simulations and the use of digital technologies.

The Section's research and educational activities cover a broad range of thematic areas, including the tectonics and structure of the Earth's crust and lithosphere, plate dynamics (plate tectonics), engineering geology, hydrogeology, environmental geology, and the study and management of natural hazards.

In addition to conventional lectures and laboratory exercises, the Section's teaching activities include a wide range of assignments and fieldwork, which, together with geological mapping courses, provide students with the training and experience necessary for their future professional development.

Through an extensive network of collaborations with academic and research institutions in Greece and abroad, the Section has developed interdisciplinary research activities, primarily funded by European research programmes, as well as by the broader public sector (central and regional administration). Many of the outcomes of these programmes are innovative and have gained international recognition. These research activities include:

- Preparation of onshore and offshore geotectonic maps
- Remediation of uncontrolled landfill sites
- Water resources management
- Geotechnical design of large-scale engineering infrastructure in Greece and abroad (including highways, dams, buildings and industrial facilities, oil and natural gas pipelines, etc.)

The **Laboratory of Tectonics and Geological Mapping** belongs to the Section of Geodynamics, Tectonics and Applied Geology. It supports the research and educational needs of the Section in the fields of Tectonics, Structural Geology, Geological Mapping, Hydrogeology, and Soil and Rock Mechanics.

Within this framework, the Laboratory develops educational programmes and conducts both fundamental and applied research. It collaborates and exchanges scientific expertise with academic and research institutions in

Greece and abroad, organizes seminars, symposia, conferences, and lectures, and provides services to external public and private sector organizations beyond NKUA.

The Laboratory is equipped with spacious facilities designed for a variety of activities, supported by modern computing and printing infrastructure. Its activities include the determination of physical and mechanical properties of rocks and soils, as well as the chemical analysis of water samples.

The Laboratory also possesses a wide range of geological research instruments, including various types of coring devices, triaxial and uniaxial mechanical testing apparatus, portable hydrochemical analysis units, current meters, groundwater sampling devices, among others. It continuously strives to maintain, upgrade, and expand its infrastructure.

Laboratory of Remote Sensing

The ***Laboratory of Remote Sensing*** was established in the early 1990s and has since operated as **an independent academic unit of the Department**, aiming to meet educational and research needs in space technologies for geoscientific applications. Webpage: <https://rslab-el.geol.uoa.gr>

Its activities focus on modern Earth observation and monitoring systems, through methods of satellite geodesy (GPS), surveying, photogrammetry, satellite remote sensing, and digital cartography.

In general, the mission of the Laboratory, within the framework of the Department and NKUA, can be summarized as follows:

Meeting the educational needs of the Department at both undergraduate and postgraduate levels.

Conducting fundamental and applied research with the aim of:

- I. Promoting and expanding educational and research collaborations with universities and research centers in Greece and abroad.
- II. Developing analytical techniques and applications in satellite geodesy, photogrammetry, satellite remote sensing, and digital cartography.
- III. Providing services in satellite geodesy, photogrammetry, satellite remote sensing, and digital cartography to public and private sector organizations in Greece and internationally.

Laboratory for Study and Management of Natural Disaster

The ***Laboratory for Study and Management of Natural Disaster*** was established in 2003 and has since operated as **an independent academic unit of the Department**.

The Laboratory's activities focus on emergency planning and the development of action plans, as well as on the management of risks associated with seismic activity, tsunamis, wildfires, floods, landslides, and volcanic activity. Its activities also include the organization of seminars, lectures, symposia, and other outreach initiatives aimed at informing both the scientific community and the public. In addition, the Laboratory serves as an educational and research unit for undergraduate and postgraduate students of the Department of Geology and Geoenvironment. Finally, it participates in numerous research programmes funded by national and European public and private sector organizations.

Laboratory and Center for Museum Research (Interinstitutional)

The ***Laboratory and Center for Museum Research*** of the Department of Geology and Geoenvironment was established in 2007 (Government Gazette, 23 May 2007, Issue B, 811). It serves the educational and research needs of the University of Athens in the field of Museum Studies.

Its mission is to promote scientific research and knowledge in the field of museology, as well as to support the University's educational activities and teaching needs at both undergraduate and postgraduate levels. The Laboratory actively contributes to the development of the University's museums and, more broadly, to the support of the museum sector, through the training of specialized professionals and the conduct of studies addressing contemporary museum needs.

The Laboratory and Center for Museum Research is staffed by members of the academic faculty, with provision for the participation of specialized technical laboratory staff, as well as other scientific and administrative personnel. In addition, collaboration with external partners from Greece and abroad is foreseen, along with the auxiliary involvement of postgraduate students from the MSc Programme in Museum Studies or other departments of the University of Athens, within the framework of the Laboratory's research activities. Ιστοσελίδα: <https://www.museumcenter.geol.uoa.gr>

Museum of Paleontology and Geology

Starting with the establishment of the Physiographical Society in 1835, the first natural history collections, comprising animals, plants, fossils, rocks, and minerals, began to be assembled, forming the initial core of the

Physiographical Museum. The Museum was incorporated into the University of Athens in 1858, and its collections were continuously enriched through donations, acquisitions, and material collected during field research in Greece. In 1906, the **Museum of Paleontology and Geology** began its independent development, housed on the ground floor of a building at the corner of Akademias and Sina Streets in Athens. After 1932, the Museum operated under a legal framework that provided extensive opportunities for research activities and ensured the protection of mammalian fossils. In 1981, it was relocated to the University Campus, within the building of the School of Science, in the premises of the Department of Geology and Geoenvironment.

In 1989, Pikermi fossils were presented for the first time outside the Museum, as part of the temporary exhibition Attic Landscape and Environment. In 1994, the first exhibition related to the Museum's excavations at Charkadio Cave on the island of Tilos was organized. In 1998, the Natural History Collection of Vrisa–Lesvos was established, operating as a branch of the Museum in facilities provided by the Municipality of Polichnitos.

The collections of the Museum of Paleontology and Geology and its branch include fossils of animals and plants from across Greece, covering more than 300 million years of the country's geological history. The collections stand out for their richness (including tens of thousands of specimens), their excellent state of preservation, and the uniqueness of the exhibits. They also include material from abroad, micropaleontological and stratigraphic collections, as well as reconstructions of paleoenvironmental conditions dating back to the early 20th century.

The collections are enriched exclusively through research programmes conducted by members of the Section of Historical Geology and Paleontology, through paleontological excavations carried out by faculty members, and through donations. A key objective is the annual securing of resources necessary for conducting excavations, collecting new material, improving exhibition displays, creating three-dimensional reconstructions of remarkable animals that lived in Greece, and illustrating the geotectonic zones of the country through representative specimens.

The Museum is open to the public, aiming to disseminate knowledge and raise awareness on issues related to the promotion and protection of paleontological heritage. A significant milestone was reached in 1984, when following long-standing efforts, the Pikermi excavation site was officially designated as an archaeological site of exceptional natural beauty by decision of the Central Archaeological Council.

With the support of the Section's academic staff, the Museum organizes and participates in exhibitions and events in venues such as Zappeion Hall, the Eugenides Foundation, the Library of Alexandria, the House of Cyprus, Tilos, and Isoma Karyon. It regularly hosts school visits and organizes interactive educational programmes for students, accompanied by guided tours conducted by the Museum's scientific staff, most of whom hold doctoral degrees.

Finally, virtual tours are also available, while the interactive exhibition "Geomythology: From Myth to Reality" operates alongside the permanent collection.

Webpage: https://www.geol.uoa.gr/tmima/moyseia/moyseio_palaiontologias_kai_geologias

Museum of Mineralogy and Petrology

The collections of the Museum of Mineralogy and Petrology originated within the framework of the Physiographical Society, established in 1835. The University incorporated these collections into its facilities from its foundation in 1837. In 1908, the University Museums of Mineralogy–Petrography, Paleontology–Geology, Zoology, and Botany were established and have since operated as independent branches.

During the period 1980–2000, the Museum remained inactive due to relocation and reorganization. Since 2000, its collections have been exhibited in a dedicated exhibition space within the Department of Geology and Geoenvironment, regularly welcoming visits from schools and the public. This collection is not only the oldest mineralogical and petrographic collection in Greece, but also one of international significance.

The importance of the collection lies not only in the aesthetic quality of its specimens, but also in their abundance and provenance from "classic" localities of former states such as the Austro-Hungarian Monarchy, the German Empire, and Tsarist Russia—mainly from sites that are now exhausted and known only through historical records. The Museum houses numerous specimens from historic mining regions, including the Ore Mountains (former Hungarian mining province, e.g. Schemnitz and Kremnitz), Freiberg in Saxony, the Harz Mountains in Germany, Transylvania (regions such as Nagyág, Banat, and Felsőbánya), the Ural Mountains (Miass, Nizhny Tagil, Achmatovsk, Mursinka), and Siberia (Nerchinsk region).

The Museum's exhibition is organized into three (3) halls.

First Hall: This hall displays aesthetically remarkable mineral specimens, some of which are considered among the finest of their kind. Prominent among them are minerals from the Lavrion mines, alongside metallic minerals from Greece and abroad, as well as carbonate and silicate minerals—the fundamental constituents of rocks. The hall also includes world-class specimens of minerals and gemstones from the former Soviet Union, particularly from the Ural region.

Second Hall: Primarily educational in character, this hall presents specimens and explanatory material aimed at understanding the concepts of minerals, rocks, ores, and industrial minerals. Exhibits illustrate physical properties such as transparency, hardness, and color. In a darkroom setting, ultraviolet lighting is used to demonstrate luminescence, utilizing one of the largest collections of fluorescent minerals in Europe, highlighting both fluorescence and phosphorescence. The hall also features important mineral localities in Greece, representative specimens, and an iron meteorite from Argentina.

Third Hall: Here, visitors encounter the imposing 19th-century wooden display cases—tall cases along the walls and lower, inclined cases in the interior. The décor harmonizes with the exhibits, most of which date back to the 19th century. This hall includes systematic mineral collection, gemstone collections, as well as petrographic and ore deposit collections. The systematic mineral collection presents approximately 2,500 specimens representing over 700 species, classified according to modern standards.

At the entrance, special display cases feature two impressive quartz specimens (rock crystal and amethyst varieties), as well as a geode of amethyst measuring 116 cm in height.

These thematic collections are complemented by displays of minerals from across Greece (including Paros, Syros, Milos, and Thrace), as well as striking specimens from abroad. The thematic collections are in the eastern part of the hall. Collections from Serifos, Naxos, and Chalkidiki, although relatively small, include historically significant and representative specimens.

A distinctive feature at the rear of the hall is the display of radioactive minerals. Radiation protection is fully ensured, as the case is shielded with lead sheets and special lead glass. Observation is facilitated through a mirror system, allowing safe viewing without proximity.

At the center of the hall, four display cases are prominently positioned: one contains sculptures made from minerals and rocks, two contain both raw and cut gemstones, and another features a unique quartz specimen (smoky quartz) in scepter form.

A vertical display case presents sixteen of the most important industrial minerals, accompanied by explanatory texts indicating their uses in everyday products.

On the southern side, wall-mounted showcases display wooden and glass crystal models—rare and finely crafted pieces. The glass models are particularly noteworthy, as they reveal the internal symmetry axes of the crystals.

In the same area, as an extension of the crystallographic collections, a special section is dedicated to the Santorini volcano, featuring extensive photographic material accompanied by explanatory texts and representative samples.

Webpage: https://www.geol.uoa.gr/tmima/moyseia/moyseio_oryktologias_kai_petrologias

SPATIAL LAYOUT

The Department is housed on **three (3) floors**, with the **MAIN ENTRANCE** serving as the main reference point.



In addition, the Department includes the New Wing, which occupies two (2) floors.

It accommodates the Department Secretariat and classrooms Γ16, Γ17, Γ18, and Γ19 (on the 1st floor, with reference to the main entrance of the School of Science), as well as the Section of Geodynamics, Tectonics and Applied Geology (on the 2nd floor, with reference to the main entrance of the School of Science).

Ground Floor

The MAIN ENTRANCE of the DEPARTMENT is located on the **Ground Floor**, alongside the main entrance to the **Museum of Paleontology and Geology**.

The Ground Floor includes:

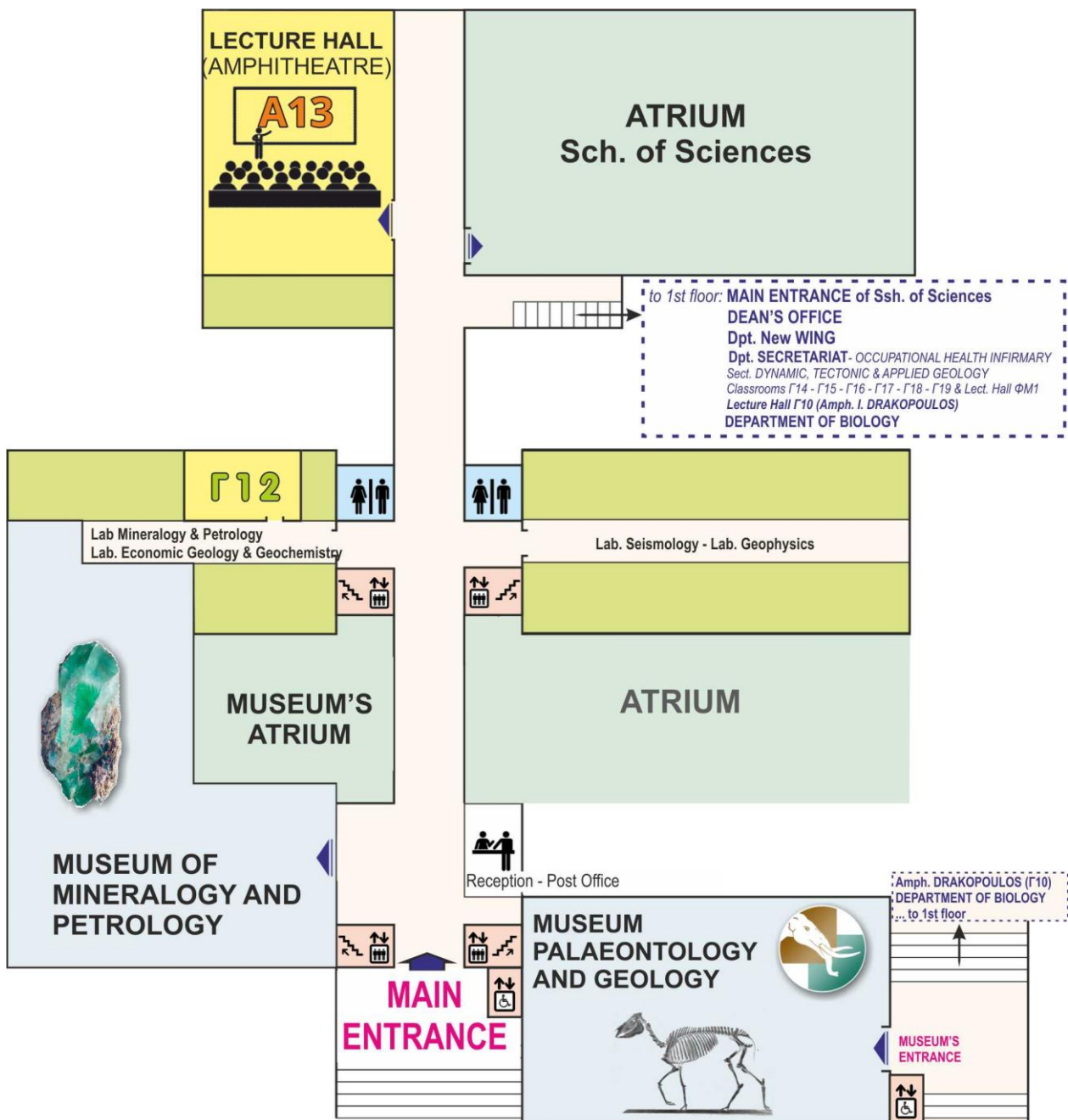
- The **Museum of Mineralogy and Petrology**
- The fully renovated **Lecture Hall (Amphitheatre) A13** (capacity: 300 seats)
- The fully renovated **Classroom Γ12** (capacity: 80 seats)
- The facilities of the following Laboratories:

Laboratory of Mineralogy and Petrology

Laboratory of Economic Geology and Geochemistry

Laboratory of Seismology

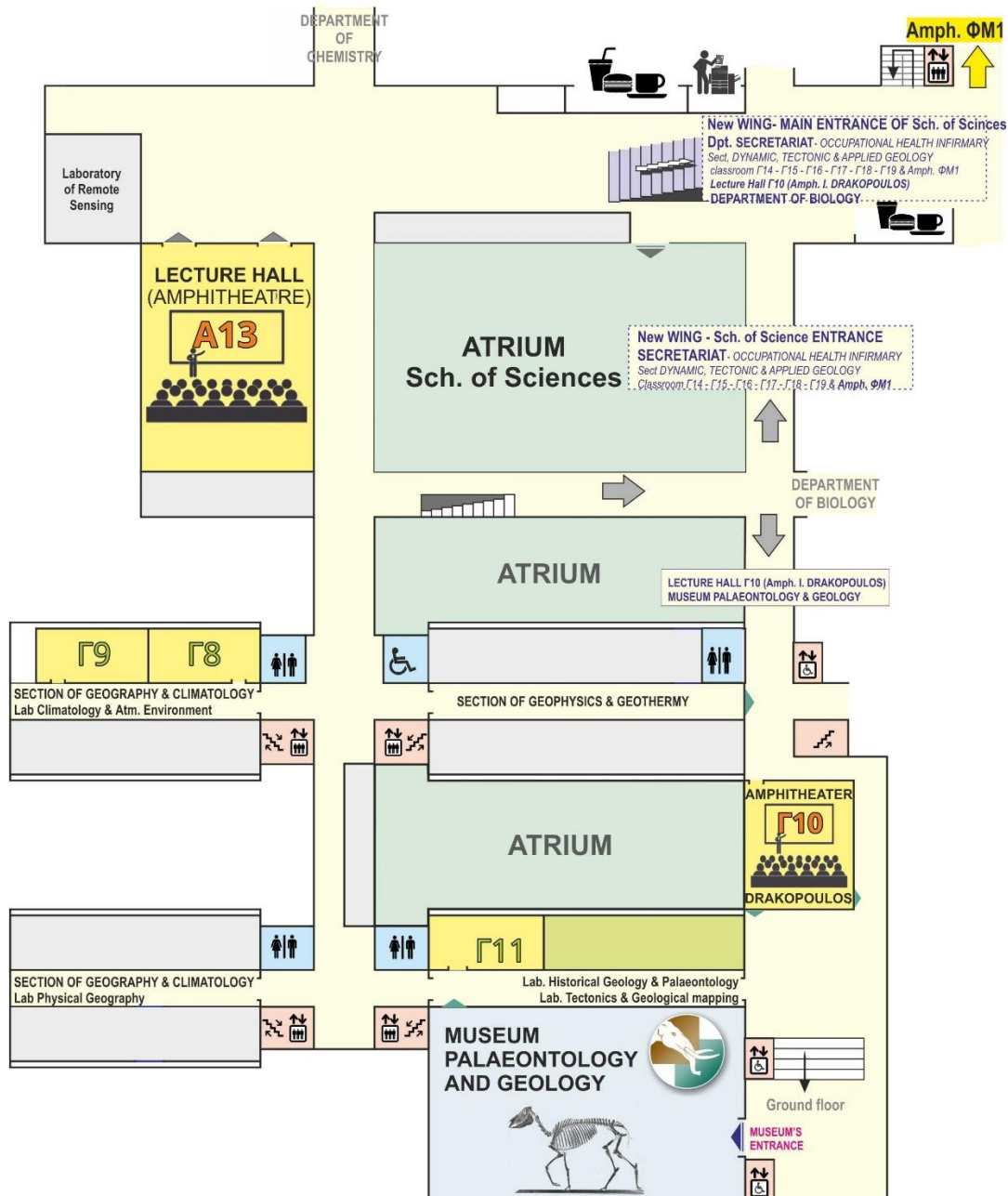
Laboratory of Geophysics



First (1st) Floor

The First Floor includes:

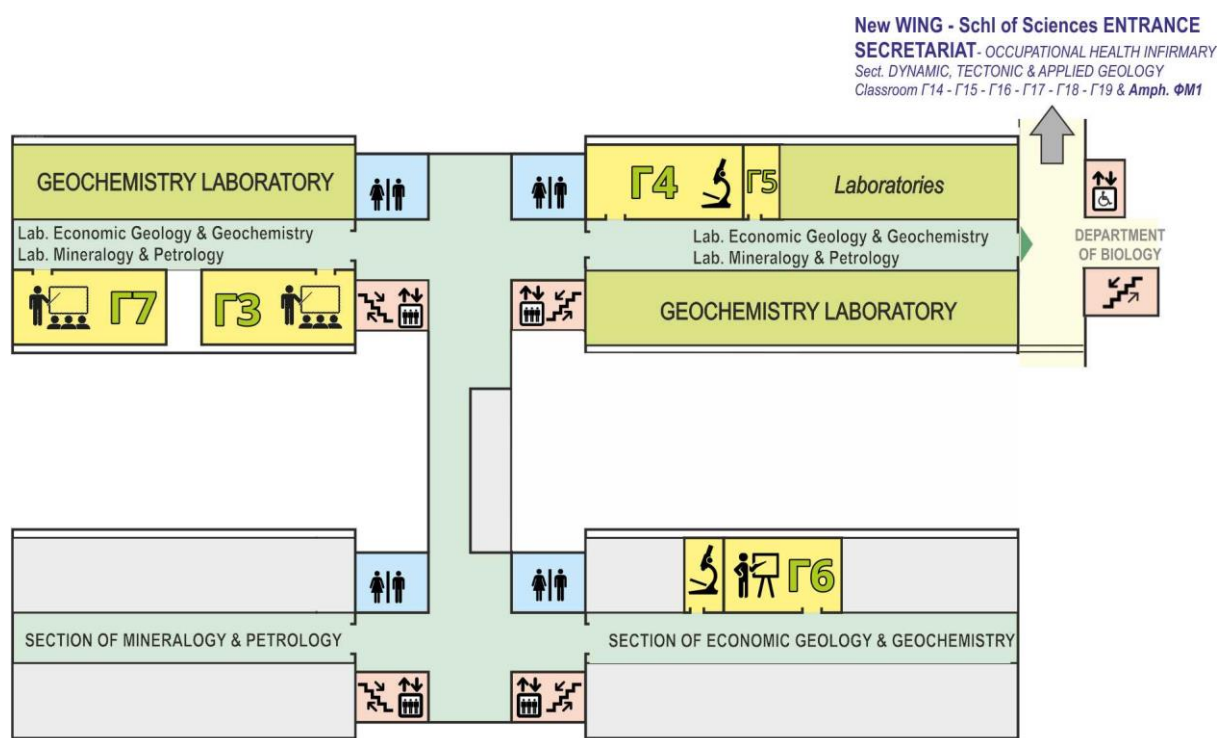
- **Section of Geophysics and Geothermy** and **Section of Geography and Climatology** facilities
- The facilities of the following laboratories:
Laboratory of Physical Geography
Laboratory of Climatology and Atmospheric Environment
Laboratory of Remote Sensing
Laboratory of Historical Geology and Biogeosciences
Laboratory of Tectonics and Geological Mapping
- The renovated **multipurpose Lecture Hall G10** (capacity: 100 seats) – **Amphitheatre I. Drakopoulos**
- **Classroom Γ8** (capacity: 64 seats) and **Classroom Γ9** (capacity: 80 seats)
- In the intermediate space between the buildings of the Departments of Geology and Pharmacy, the **Lecture Hall (Amphitheatre) ΦΜ1** (capacity: 384 seats) is located. This lecture hall is used for teaching by both the Department of Geology and Geoenvironment and the Department of Biology.



Second (2nd) Floor

The Second Floor includes:

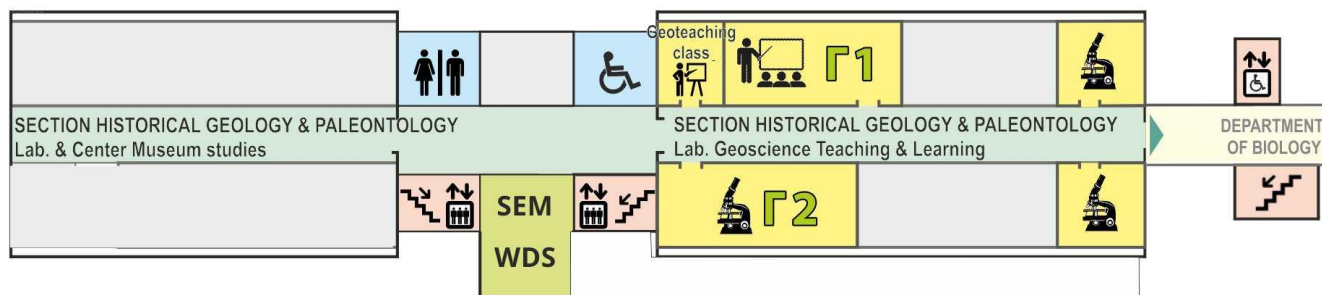
- **Section of Mineralogy and Petrology** and **Section of Economic Geology and Geochemistry** facilities
- The facilities of the following laboratories:
Laboratory of Mineralogy and Petrology
Laboratory of Economic Geology and Geochemistry
- The renovated **Classroom Γ6** (capacity: 80 seats)
- Specialized renovated teaching rooms for mineralogical and petrological macroscopic study:
Teaching room Γ3 (capacity: 40 seats)
Teaching room Γ7 (capacity: 40 seats)
Teaching room Γ4 (capacity: 22 seats, microscopy study)
Dedicated microscopy Laboratories



Third (3rd) Floor

The Third Floor includes:

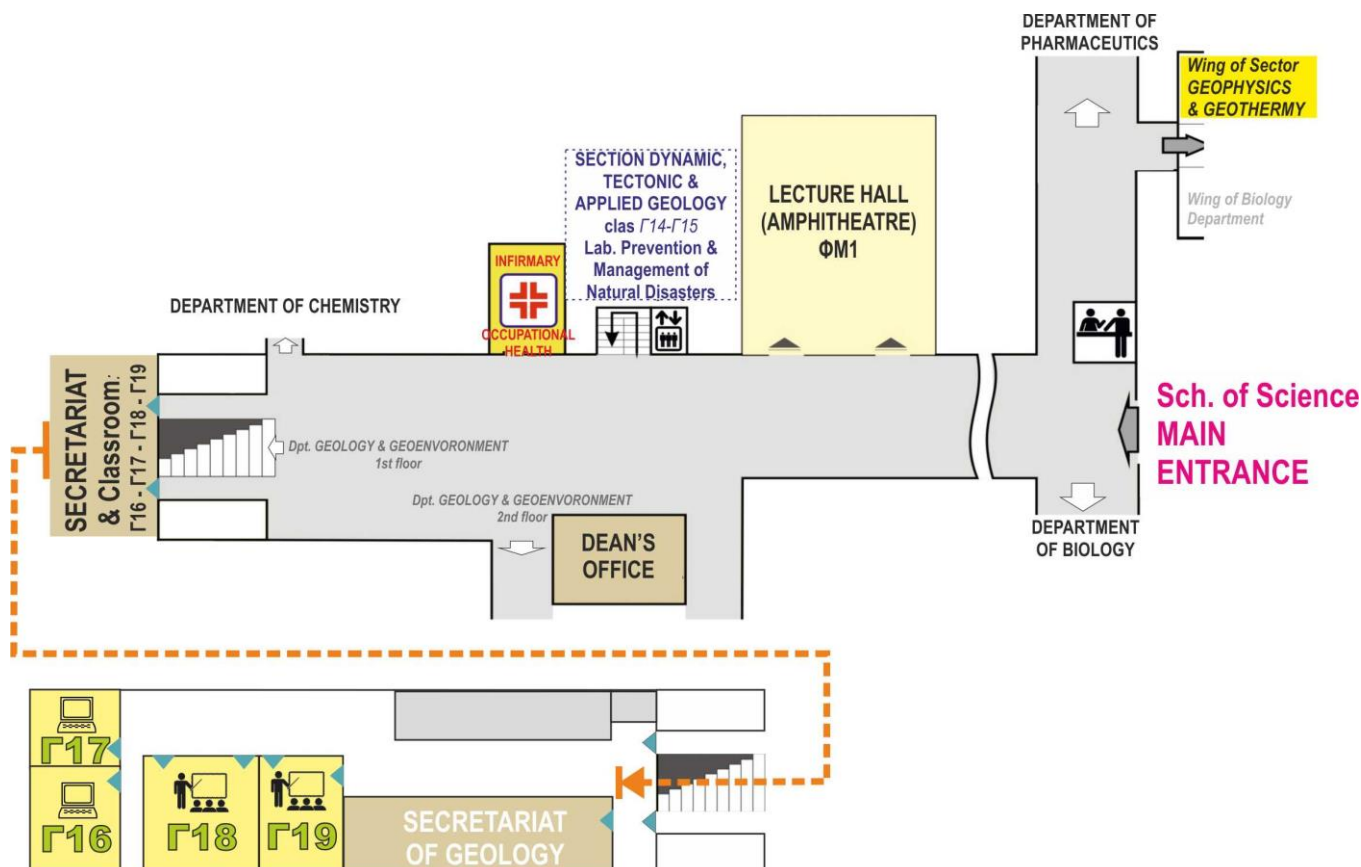
- The two (2) wings of the **Section of Historical Geology and Paleontology** facilities
- The facilities of the following laboratories:
Laboratory of Geoscience Teaching and Learning
Laboratory and Center for Museum Research
- Specialized teaching rooms for microscopy and macroscopic study:
Teaching room Γ1 (capacity: 50 seats)
Teaching room Γ2 (capacity: 25 seats)
The fully renovated Teaching Room of Geoscience Education (capacity: 20 seats)
Dedicated microscopy Laboratories



New WING – First (1st) Floor (reference point: Main Entrance of the School of Science)

The following facilities are located on the First Floor of the New Wing:

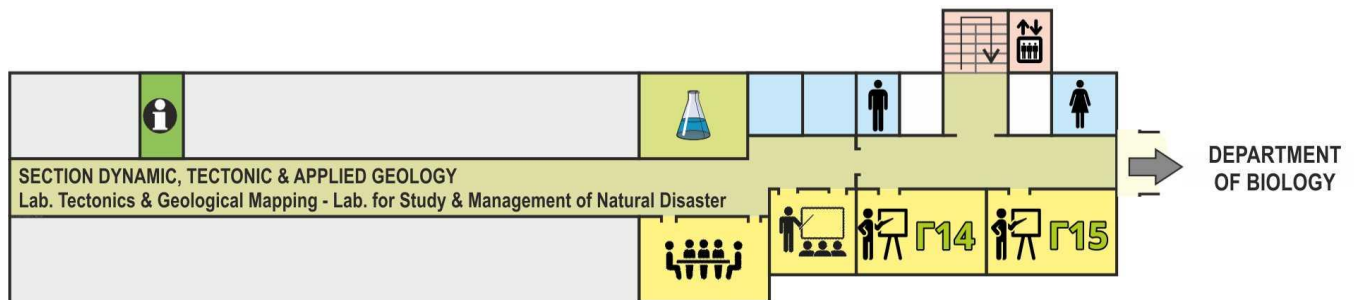
- The **Department Secretariat**
- The renovated computer-based Classroom Γ16 and Classroom Γ17 (30 workstations each)
- The recently renovated **Classroom Γ18** (capacity: 98 seats) and **Classroom Γ19** (capacity: 88 seats)



New WING – Second (2nd) Floor (reference point: Main Entrance of the School of Science)

The following facilities are located on the Second Floor of the New Wing:

- **Section of Geodynamics, Tectonics and Applied Geology** facilities
- The facilities of the following laboratories:
Laboratory of Tectonics and Geological Mapping
Laboratory for Study and Management of Natural Disaster
- **Classroom Γ14** and **Classroom Γ15** (capacity: 64 seats each)
- A specialized chemical analysis Laboratory



STAFF

Chair: Professor Asimina Antonarakou, Tel.: +30 210 727 4166, email: aantonar@geol.uoa.gr

Vice-Chair: Professor Ioannis Alexopoulos, Tel.: +30 210 727 4106, email: jalexopoulos@geol.uoa.gr

Secretary: Athanasia Michopoulou, Tel.: +30 210 727 4279, Email: secr@geol.uoa.gr

1. Section of Mineralogy and Petrology

Head: Professor Panagiotis Pomonis

Full Name	Position	Email
Panagiotis Voudouris	Professor, <i>Director of the Museum of Mineralogy and Petrology</i>	voudouris@geol.uoa.gr
Athanasios Godelitsas	Professor, <i>Director of the Laboratory of Mineralogy and Petrology</i>	agodel@geol.uoa.gr
Panagiotis Pomonis	Professor	ppomonis@geol.uoa.gr
Marianna Kati	Assistant Professor	kati@geol.uoa.gr
Argyrios Papadopoulos	Assistant Professor	argpapad@geol.uoa.gr
Ifigeneia Megremi	Laboratory Teaching Staff (E.D.I.P.)	megremi@geol.uoa.gr
Eleni Moustaka	Laboratory Teaching Staff (E.D.I.P.)	emoustaka@geol.uoa.gr
Efstathios Vorris	Special Technical Laboratory Staff (ETEP)	svorris@geol.uoa.gr

2. Section of Historical Geology and Paleontology

Head: Professor Charikleia Ntrinia

Full Name	Position	Email
Asimina Antonarakou	Professor, <i>Chair of the Department, Director of the Laboratory of Geoscience Education</i>	aantonar@geol.uoa.gr
Euterpi Koskeridou	Professor	ekosker@geol.uoa.gr
Katerina Kouli	Professor	akouli@geol.uoa.gr
Charikleia Ntrinia	Professor, <i>Director of the Laboratory and Center for Museum Research</i>	cntrinia@geol.uoa.gr
Maria Triantafyllou	Professor, <i>Director of the Laboratory of Historical Geology and Biogeosciences</i>	mtriant@geol.uoa.gr
Margarita Dimiza	Associate Professor	mdimiza@geol.uoa.gr
Georgios Kontakiotis	Associate Professor	gkontak@geol.uoa.gr
Georgios Lyras	Associate Professor, <i>Director of the Museum of Paleontology and Geology</i>	glyras@geol.uoa.gr
Ioannis Panagiotopoulos	Associate Professor	ipanagio@geol.uoa.gr
Sokratis Roussiakis	Associate Professor	srousiak@geol.uoa.gr
Theodora Tsourou	Assistant Professor	ttsourou@geol.uoa.gr
Athanasia Bakopoulou	Laboratory Teaching Staff (E.D.I.P.)	abakopoulou@geol.uoa.gr
Evangelia Besiou	Laboratory Teaching Staff (E.D.I.P.)	evabesiou@geol.uoa.gr
Olga Koumoutsakou	Laboratory Teaching Staff (E.D.I.P.)	okoumout@geol.uoa.gr
Panagiota Makri	Laboratory Teaching Staff (E.D.I.P.)	pmakri@geol.uoa.gr
Elisavet Skampa	Laboratory Teaching Staff (E.D.I.P.)	elskampa@geol.uoa.gr
Elizabeth Stathopoulou	Laboratory Teaching Staff (E.D.I.P.)	estathop@geol.uoa.gr
Nikolaos Tsaparas	Laboratory Teaching Staff (E.D.I.P.)	ntsapar@geol.uoa.gr
Eugenia Fatourou	Laboratory Teaching Staff (E.D.I.P.)	efatourou@geol.uoa.gr
Vasiliki Lianou	Special Technical Laboratory Staff (ETEP)	vlianou@geol.uoa.gr
Dimitrios Velitzelos	Special Technical Laboratory Staff (ETEP)	veljim@geol.uoa.gr
Vasileios Karzis	Administrative Staff (IDAX), <i>Museum of Paleontology and Geology</i>	vkarzis@geol.uoa.gr

3. Section of Geography and Climatology

Head: Professor Paraskevi Nomikou

Full Name	Position	Email
Niki Evelpidou	Professor	evelpidou@geol.uoa.gr
Panagiotis Nastos	Professor, <i>Director of the Laboratory of Climatology and Atmospheric Environment</i>	nastos@geol.uoa.gr
Paraskevi Nomikou	Professor	evinom@geol.uoa.gr
Serafeim Poulos	Professor, <i>Director of the Laboratory of Physical Geography</i>	poulos@geol.uoa.gr
Emmanouil Vasilakis	Professor, <i>Director of the Laboratory of Remote Sensing</i>	evasilak@geol.uoa.gr
Konstantinos Eleftheratos	Associate Professor	kelef@geol.uoa.gr
Maria Hatzaki	Associate Professor	marhat@geol.uoa.gr
Michail Diakakis	Assistant Professor	diakakism@geol.uoa.gr
Christos Angelopoulos	Laboratory Teaching Staff (E.DI.P.)	cangelop@geol.uoa.gr
Anna Karkani	Laboratory Teaching Staff (E.DI.P.)	ekarkani@geol.uoa.gr

4. Section of Geophysics and Geothermy

Head: Professor Georgios Kaviris

Full Name	Position	Email
Ioannis Alexopoulos	Professor, <i>Vice-Chair of the Department, Director of the Laboratory of Geophysics</i>	jalexopoulos@geol.uoa.gr
Georgios Kaviris	Professor, <i>Director of the Laboratory of Seismology</i>	gkaviris@geol.uoa.gr
Filippos Vallianatos	Professor	fvallian@geol.uoa.gr
Vasileios Kapetanidis	Assistant Professor	vkapetan@geol.uoa.gr
Kyriaki Pavlou	Assistant Professor	kpavlou@geol.uoa.gr
Vasileios Sakkas	Assistant Professor	vsakkas@geol.uoa.gr
Spyridon Dilalos	Laboratory Teaching Staff (E.DI.P.)	sdilalos@geol.uoa.gr
Spyridoula Vassilopoulou	Laboratory Teaching Staff (E.DI.P.)	vassilopoulou@geol.uoa.gr
Stylianios Chailas	Special Technical Laboratory Staff (ETEP)	schailas@geol.uoa.gr
Aliki-Maria Moumoulidou	Special Technical Laboratory Staff (ETEP)	amoumoul@geol.uoa.gr

5. Section of Economic Geology and Geochemistry

Head: Associate Professor Efstratios Kelepertzis

Full Name	Position	Email
Ariadni Argyriaki	Professor, <i>Director of the Laboratory of Economic Geology and Geochemistry</i>	argyraki@geol.uoa.gr
Charalampos Vasilatos	Associate Professor	vasilatos@geol.uoa.gr
Efstratios Kelepertzis	Associate Professor	kelepert@geol.uoa.gr
Christina Stouraiti	Associate Professor	chstouraiti@geol.uoa.gr
Angeliki Papoutsas	Associate Professor	angpapou@geol.uoa.gr
Zacharenia Kypritidou	Laboratory Teaching Staff (E.DI.P.)	zach-kyp@geol.uoa.gr
Vasileios Skounakis	Administrative Staff (IDAX)	vskoun@geol.uoa.gr

6. Section of Geodynamics, Tectonics and Applied Geology

Head: Associate Professor Charalampos Kranis

Full Name	Position	Email
Maria Stavropoulou	Professor, <i>Director of the Laboratory of Tectonics and Geological Mapping</i>	mstavrop@geol.uoa.gr
Charalampos Kranis	Associate Professor, <i>Director of the Laboratory for Study and Management Natural Disaster</i>	hkranis@geol.uoa.gr
Emmanouil Skourtsos	Associate Professor	eskourt@geol.uoa.gr
Konstantinos Soukis	Associate Professor	soukis@geol.uoa.gr
Konstantinos Diamantis	Assistant Professor	kostasdiam@geol.uoa.gr
Georgios Danamos	Laboratory Teaching Staff (E.DI.P.)	gdanamos@geol.uoa.gr
Dimitrios Theocharis	Laboratory Teaching Staff (E.DI.P.)	dtheocharis@geol.uoa.gr
Christos Filis	Laboratory Teaching Staff (E.DI.P.)	chfilis@geol.uoa.gr
Emmanouil Andreadakis	Special Technical Laboratory Staff (ETEP)	eandreadk@geol.uoa.gr
Eleni Kapourani	Special Technical Laboratory Staff (ETEP)	elkap@geol.uoa.gr
Ioannis Mpantekas	Special Technical Laboratory Staff (ETEP)	mpantekas@geol.uoa.gr
Christina Lekka	Administrative Staff	xlekka@geol.uoa.gr
Sotirios Marselos	Administrative Staff	smarselos@geol.uoa.gr
Paraskevi Tsiouma	Administrative Staff	ptsioum@geol.uoa.gr

SECRETARIAT

Head: Athanasia Michopoulou, Tel: 210 727 4279, e-mail: secr@geol.uoa.gr

Full Name	Position	Email
Athanasia Michopoulou	Administrative Staff, Head of Secretariat	nancym@geol.uoa.gr
Taxiarchis Skenteris	Administrative Staff	taxskent@geol.uoa.gr
Kalliopi Chorafofoulou	Administrative Staff	kelchor@geol.uoa.gr
Eleni Chrysopoulou	Administrative Staff	elxrisop@uoa.gr

Contact Details

Address: University Campus, Zografou, 157 84, Athens, Greece

Tel.: +30 210 727 4279

E-mail: secr@geol.uoa.gr

The Secretariat receives students on Mondays, Wednesdays, and Fridays from 11:00 to 14:00.

UNDERGRADUATE STUDY PROGRAMME REGULATIONS

[Decision of the Assembly, 6th Meeting / 27 November 2024]

CHAPTER A – INTRODUCTION AND ENROLMENT IN THE DEPARTMENT

Article 1 Admission of Undergraduate Students

1. Admission to the Department of Geology and Geoenvironment is primarily based on the national entrance examinations. In addition, legislation provides for special categories of admission (such as foreign nationals, students of Greek descent from abroad, athletes, students admitted through transfer procedures, etc.), which concern a limited number of students. Admission of students in special categories is carried out in accordance with the applicable legislation.
2. The enrolment of the above students takes place after the Ministry of Education, Religious Affairs and Sports forwards the names of successful candidates to the Department through the relevant electronic application, as well as through the electronic platform of the National and Kapodistrian University of Athens, where the required identification documents are submitted. Enrolment of students admitted under special admission categories is completed upon submission of the necessary supporting documents to the Department Secretariat and approval by the Department Assembly.
3. The completion of enrolment for students admitted under special categories is carried out in accordance with the applicable legal provisions.

Article 2 Transfers

The transfer procedure concerns students already enrolled in Higher Education Institutions and is conducted annually through an electronic application of the Ministry of Education, Religious Affairs and Sports. The terms and conditions governing transfers are defined in detail by the Ministry.

Article 3 Admission through Qualifying Examinations

1. Admission to the Department of Geology and Geoenvironment may also take place through the classification of graduates of other departments/schools, based on qualifying examinations conducted by the Department, which are held annually, in accordance with the applicable legislation, the Internal Regulations of the Institution, and the relevant decision of the Department Assembly.
2. Candidates for the qualifying examinations are assessed through essay-type questions in three (3) courses corresponding to courses of the Department's Study Programme. Students admitted through this procedure are exempt from examination in the courses used for their admission. They are required to attend and be assessed in the corresponding compulsory laboratory and field exercises. Upon completion of grading in these courses and the associated laboratory training, the corresponding course credits are recorded.
3. The deadline for submission of applications and supporting documents is from 1 to 15 November each year. The qualifying examinations are held between 1 and 20 December of each academic year. The examination timetable is announced by the Department Secretariat at least ten (10) days before the first examination.
4. By decision of the Department Assembly, students admitted through qualifying examinations may be exempted from examination in courses or exercises of the Study Programme of the Department of Geology and Geoenvironment that they have fully attended at their previous school or department.

CHAPTER B – STUDY MATTERS

Article 4 General Information on the Structure of the Programme

1. The first-cycle study programme comprises an Undergraduate Study Programme of two hundred and forty (240) ECTS (European Credit Transfer and Accumulation System) credits, with a minimum duration of eight (8) academic semesters. Its successful completion leads to Level 6 of the National and European Qualifications Framework. The establishment, modification, or renaming of the undergraduate study programme is approved by decision of the Senate, following a recommendation of the Department Assembly.
2. The Undergraduate Study Programme is certified and recertified every five (5) years by the Hellenic Authority for Higher Education (HAHE), in accordance with the Quality Standard for Undergraduate Study Programmes of HAHE and the Standards and Guidelines for Quality Assurance in the European Higher Education Area (ESG 2015), corresponding to Level 6 of the National and the European Qualifications Framework (EQF).
3. Credits are assigned to each course in accordance with the study programme and the intended learning outcomes of each educational activity, depending on the content of each planned educational process. The competent body for assigning credits to each autonomous educational component and activity of the study programme is the Department Assembly. The structure of the Undergraduate Study Programme is organized in such a way that each academic year includes educational activities corresponding to 60 ECTS and each semester to 30 ECTS credits.
4. The Undergraduate Study Programme is described in detail in the Study Guide, which is posted on the Department's website.
5. To meet needs arising from student exchange programmes with other countries, each Department may decide to offer certain courses in English or in another official language of the European Union. In such cases, examinations shall be conducted in the language in which the course is taught.

6. The Department Assembly decides on the ratio between compulsory courses, elective courses, and compulsory elective courses in relation to the total number of courses required for the award of the degree.
7. The study programme is approved by the Senate following a recommendation by the Department Assembly.
8. The Study Programme also includes an internship in the Department's field of study, offered as an elective course. The internship aims at familiarizing students with the labour market, providing work experience, linking studies with professional employment, highlighting the trainees' skills, and enhancing their employability and professional networking. The internship is carried out by students under the terms provided for by the applicable legislation and in accordance with the Department's Internship Regulations. It is conducted within the framework of funded placements in companies and, more generally, in private or public organizations related to the students' field of study. Funding for the internship programme may be provided not only by the Institution but also by private or other bodies. In addition, undergraduate students and recent graduates are given the opportunity to undertake internships at universities, research centres, companies, and organizations in European countries participating in the Erasmus+ programme.
9. The Study Programme also includes a compulsory Diploma Thesis, which is written in the 8th semester. The thesis is undertaken by final-year undergraduate students under the supervision of a member of the academic staff and/or Laboratory Teaching Staff of the Department to whom autonomous teaching duties have been assigned.

Article 5 Study Guide - Public Information

Each year, the annual Study Guide is prepared by the Department Assembly and made available to students by the Department Secretariat through posting on the Department's website. The Study Guide includes valid, reliable, and up-to-date information on: the structure of the Study Programme, course titles and descriptions, individual educational units/courses, teaching hours, ECTS credits for each educational/learning activity, and the intended learning outcomes of the courses. It also includes the learning outcomes and qualifications acquired upon successful completion of the study programme and the total number of ECTS credits required for the award of the degree. The aim of this approach is to ensure the transparency and reliability of the programme offered and to provide accurate information to all interested parties.

Article 6 Enrolment – Course Registration

1. Students are required to register the courses they wish to attend and be examined in at the beginning of each semester. Course registration in the winter semester constitutes enrolment in the academic year.
2. Students submit an electronic registration of the courses they wish to attend during the specific semester (course registration), at the beginning of each semester and within a deadline specified in the Academic Calendar, which may not exceed two (2) weeks. Students who have not completed course registration are not allowed to sit examinations. If a student sits an examination by mistake, the grade shall not be taken into account.
3. The number of courses students may select is defined in the study programme.
4. If an elective course is not offered due to insufficient enrolment, as determined by decision of the Department Assembly, students may submit a new registration for another elective course even outside the specified deadline. There is no upper limit on enrolment in elective courses.

Article 7 Duration of Studies – Part-Time Study – Suspension of Studies

1. The academic year begins on 1 September and ends on 31 August of the following calendar year. The September resit examination period is considered part of the previous academic year.
2. The duration of the Undergraduate Study Programme of the Department of Geology and Geoenvironment is eight (8) semesters, distributed over four (4) academic years. The maximum period of study in the programme is the duration of eight (8) academic semesters plus an additional four (4) academic semesters.
3. Active students are those whose period of study has not exceeded the number of semesters required for obtaining the degree according to the indicative study programme, increased by four semesters, namely twelve (12) semesters or six (6) years.
4. Students may, by way of exception, request an extension beyond the maximum duration of study for serious health reasons. The Internal Regulations of the Institution define the procedure and the required supporting documents for such exceptional extensions.
5. Students who: a) are demonstrably employed for at least twenty (20) hours per week, b) have disabilities and special educational needs, and c) are athletes in parallel with their studies, are entitled to apply for part-time study. For students studying under part-time status, each semester counts as half an academic semester. These students may not register or sit examinations in more than half of the courses provided for in the study programme for that semester. Further conditions and details regarding the implementation of the above are defined in the Internal Regulations of the Institution.
6. Students who have not exceeded the maximum duration of study may suspend their studies, following an application to the Department Secretariat accompanied by the necessary supporting documents justifying the suspension in accordance with the applicable legislation. The right to suspend studies may be exercised once or in parts for a period of at least one (1) academic semester, but the total duration of the suspension may not exceed two (2) years, in accordance with the applicable legislation. Student status, as well as all associated rights, are suspended during the period of suspension. During this period, participation in any educational process is not permitted, and therefore the student is not entitled to participate in course examinations. The period of suspension is not counted towards the maximum duration of study.

Article 8 Organization of Teaching – Academic Calendar

1. The educational/teaching work of each academic year is divided into two (2) academic semesters, winter and spring. Each semester includes at least thirteen (13) full weeks of teaching. Undergraduate studies are conducted on the basis of semester courses and in accordance with the Undergraduate Study Programme prepared by the Department Assembly and reflected in the Study Guide.
2. The academic schedule is set out in the Academic Calendar, which is approved by decision of the Senate. Teaching is suspended (a) from Christmas Eve to 7 January inclusive, and (b) from Holy Monday to the Sunday of St. Thomas inclusive. The University is also closed on the following public holidays: (a) 28 October (National Holiday), (b) 17 November (Polytechnic Uprising Anniversary), (c) 30 January (Feast of the Three Hierarchs), (d) 25 March (National Holiday), (e) Clean Monday, (f) 1 May, and (g) Holy Spirit Monday.
3. By decision of the Senate, the duration of the academic semester may be extended if educational activities could not be carried out due to force majeure, in accordance with the study programme and the approved timetable.
4. In exceptional cases of extreme events, educational activities, as well as the general operation of the Institution, may be suspended by decision of the competent body.
5. The educational process is conducted in person. It may be carried out through synchronous distance learning methods exclusively in the following cases: a) delivery of teaching in first-cycle study programmes with the participation of professors from foreign institutions or collaborating professors, b) organization of advanced courses and tutorial exercises beyond the compulsory teaching hours per course, and c) force majeure or exceptional circumstances in which in-person teaching or the use of the Institution's facilities for educational, research, and other activities is not possible.
6. The Internal Regulations of the Institution define the specific terms and conditions for organizing the educational process through synchronous distance learning, the Institutional unit responsible for supporting distance education, matters relating to the protection of participants' personal data, and any other technical issues concerning the implementation of distance learning methods.

Article 9 Teaching and Examination Timetable

1. The teaching of courses in the Undergraduate Study Programme is carried out in accordance with the timetable prepared by the Directorate of Studies in consultation with the Chair of the Department, and approved by the Chair of the Department and the Vice-Rector for Academic Affairs. The timetable applies to one teaching semester and is prepared or revised at least fifteen (15) days before the start of classes. Once finalised, it is communicated by the Directorate of Studies to the Department Secretariat, which ensures its dissemination to teaching staff and students at least fifteen (15) days before the start of classes..
2. The timetable includes the courses, classrooms, and weekly distribution of teaching hours during the working days of the week.
3. Attendance at courses (lectures, tutorials, study sessions, seminars, etc.) is, as a rule, optional for students. Attendance at laboratories and field exercises is compulsory.
4. If a course cannot be held, a make-up class is scheduled. The date and time of the make-up class are posted on the Department's website or on eClass.
5. The teaching timetable ensures that compulsory courses of the same semester do not overlap in teaching hours, while the examination timetable ensures that examinations do not overlap only for courses of the same semester.
6. The Department ensures accessibility for students and teaching staff with special needs.

Article 10 Examinations – Examination Regulations

A. Examinations

1. Examinations are conducted exclusively after the end of the winter and spring semesters for the courses taught in those semesters. Students are entitled to sit examinations in courses from both semesters during the resit examination period held in September, before the beginning of the new winter semester. A necessary condition for holding examinations is the completion of thirteen (13) weeks of teaching.
2. Students who have completed the standard period of study, corresponding to the minimum number of semesters required for the award of the degree according to the indicative study programme, may sit examinations during the winter and spring examination periods of each academic year in all remaining courses, regardless of whether these are taught in the winter or spring semester.
3. The examination timetable for the courses of the Undergraduate Study Programme is drawn up by the Directorate of Studies, making joint use of the available facilities, in consultation with the Chair of the Department, and is approved by the Chair of the Department and the Vice-Rector for Academic Affairs.
4. Each examination period lasts three to four weeks. The starting and ending dates of the examination periods are included in the Academic Calendar.
5. Special provision is made for the oral examination of students with a documented learning difficulty diagnosed before their admission to the Institution (e.g. dyslexia, dyscalculia), following an application submitted to the Department Secretariat together with the relevant supporting documents.
6. If a student fails the same course more than three (3) times, they may submit an application to the Chair of the Department requesting assessment by a three-member committee composed of teaching staff from the same or another Department of the Institution, with the same or a related academic field to that of the course in question. The instructors of the course may not participate in the committee. Assessment by the three-member committee may take

place at any time during the academic year. In the event of failure, the student continues their studies and is reassessed in the specific course in accordance with the applicable legislation.

7. The examinable material of the course includes the material announced to students from the beginning and during the semester, together with any clarifications or modifications introduced by the instructors.
8. Student assessment may be carried out through written or oral examinations, mid-term tests, written assignments, laboratory exercises, or a combination of these methods, as appropriate for each educational activity. In written and oral examinations, the integrity of the assessment process must be ensured at all times. In the case of oral examinations, the exact scheduling within the examination timetable is determined by the instructors.
9. The Department may establish an Examination Committee composed of three (3) faculty members appointed by the Department Assembly for a two-year term, renewable for one additional two-year term. The Examination Committee is responsible for regulating all matters related to the proper organisation and conduct of examinations, including invigilation, examination rooms, question papers, scheduling issues, cases of irregularities, cheating, and similar matters.
10. The usual duration of examinations is two hours. The duration may be set by the examiner at a shorter length, but not less than one hour, provided this has been announced in the examination timetable. The maximum duration of examinations is three (3) hours.
11. The Internal Regulations of the Institution regulate: a) the methods of assessment for courses and other educational activities offered within the framework of the study programmes and the specific terms governing examinations and the safeguarding of their integrity, b) alternative methods of assessment, such as written or oral examinations using electronic means in order to address exceptional needs or circumstances arising from force majeure, provided that the integrity of the assessment process is ensured, c) alternative methods for the assessment of students with disabilities and special educational needs, and d) welfare measures for the assessment of students who are demonstrably ill or recovering from a serious illness during the examination period.

B. Rules Governing the Conduct of Examinations

1. Before distributing the examination questions, the invigilator may change the seating arrangement of candidates. A candidate's seat may also be changed whenever the invigilator considers this necessary. When the number of candidates is large, there are always two or more invigilators.
2. The invigilator or examiner verifies students' identity and signs their examination scripts. Identity checks are mandatory; therefore, students must carry their student ID card or another official document confirming their identity. A student who does not present valid identification is not permitted to sit the examination or, if they submit an answer script, it will not be considered.
3. In addition, students must bring a pen, correction material, and a scientific calculator, where required and permitted by the examiner; borrowing such items during the examination is prohibited. Mobile phones, their use, and their accessories are prohibited in the examination room. If students bring objects, books, or notes, they must leave them in an orderly manner at the front desk and collect them when leaving. The University bears no responsibility for their loss.
4. Students' names and registration numbers are recorded on a handwritten attendance list upon receipt of the examination script, even if the student intends to submit a blank script.
5. A certificate confirming that a student attended the examination is issued only if the invigilator has verified the identity of the examinee with certainty.
6. If a student requests to leave the examination room, the invigilator records on the booklet the time of exit and the time of re-entry. The examination questions are given to the students and are submitted together with the examination scripts.
7. Examination supervision or invigilation may be carried out by faculty members, staff employed in accordance with Presidential Decree 407/1980, academic or laboratory associates, members of the Special Teaching Staff, Laboratory Teaching Staff, Special Technical Laboratory Staff, postgraduate and doctoral students, and postdoctoral researchers.
8. Invigilators are required to remove from the room any student who violates the above prohibitions. The script of a student who is removed is graded zero. The invigilator ensures the smooth conduct of the examination, takes the necessary measures, and immediately reports to the course coordinator any refusal of a student to comply with instructions. If the student refuses to comply, the course coordinator assigns a zero to the script. The course coordinator is responsible for the proper and lawful conduct of the examination process in accordance with the legislation and regulations.
9. Invigilators are responsible for preventing cheating by candidates and are accountable to the Department administration.
10. The examination questions are announced by the faculty member responsible for conducting the examination or, in exceptional cases, by their representative or substitute, who is also the only person authorised to provide general clarifications in the event of issues or queries. Examinations are conducted without the use of books or notes, unless explicitly permitted by the instructor due to the nature of the questions, following a written announcement issued in good time before the examination.
11. If other issues arise that are not covered by these Regulations or provided for in the applicable legislation (e.g. power outages, sudden illness of a candidate, etc.), the person responsible for the examination shall decide on the appropriate course of action.

Article 11 Grading

1. The grade in each course is determined by the instructor, who may organize written and/or oral examinations, or may rely on assignments or laboratory exercises.
2. A student's grade is formed on the basis of their performance in examinations. Performance in mid-term tests, assignments, or laboratory exercises may also be considered.
3. Performance in courses is assessed by grades awarded in the process of evaluating knowledge. Each course or educational activity is graded independently to an accuracy of up to two (2) decimal places. The grading scale ranges from zero to ten (0–10). Passing grades are five (5) and above.
4. Examination results are entered by the instructor into the Institution's electronic platform no later than ten (10) days after the examination. The examination results are posted in the online information system of the Secretariats. Responsibility for ensuring compliance with the above lies with the Department Secretary.
5. A student may be re-examined in courses for which they did not obtain a passing grade in the September examination period or in a subsequent examination period. Re-examination within the same examination period is not permitted.
6. A student is entitled to request from the same instructor to see their script and receive justification of the grade awarded, within two (2) months from the announcement of the results. A grade may be corrected after the results have been announced by the Secretariat only in the case of oversight or calculation error and following a decision of the Department Assembly.
7. A student who has obtained a passing grade in a course is not entitled to retake the examination to achieve a higher grade. However, students may exercise the right to improve their grade in up to three (3) courses in total with the aim of improving the grade. The intention to improve a grade must be explicitly stated in the course registration process.
8. The grade recorded after grade improvement shall be the higher passing grade between the previous examination and the grade-improvement examination.
9. In the event of documented suspicion of cheating, plagiarism, or any other form of falsification of the examination result, no grade is announced and, independently of any disciplinary sanctions that may be imposed, the student is required to retake the examination.
10. Examination scripts must be kept by the instructor for twelve (12) months. After that period, the scripts cease to have legal effect and are destroyed, unless there is a pending criminal, disciplinary, or any other administrative procedure. Their destruction must be carried out using the Institution's document destruction devices and the resulting material must be recycled.

Article 12 Textbooks

1. All undergraduate students of the Department are entitled to select and receive free of charge a number of textbooks equal to the total number of compulsory and elective courses required for the award of the degree and, in any case, one (1) textbook per course.
2. A teaching textbook is defined as any printed or electronic book, including open-access electronic books, as well as printed or electronic academic notes, following their annual approval by the Department Assembly. A teaching textbook corresponds comprehensively to the subject matter of a course and covers all or most of its material and content, as defined in the approved Study Programme.
3. The list of teaching textbooks includes at least one proposed textbook for each compulsory or elective course, selected from the textbooks declared in the EUDOXUS Central Information System. This list is prepared annually following recommendations from the instructors or course coordinators, as well as other professors holding a position in the same or a related academic field as that of the course.

Article 13 Library

Within the School of Science, to which the Department of Geology and Geoenvironment belongs, the "Library and Information Centre" operates. To become members of the Library and Information Centre, undergraduate students must register with the Library, in accordance with the applicable procedures, and declare that they accept the operating regulations and the applicable legislation concerning the protection of the member's personal data. Registration is recorded in the automated system of the Library and Information Centre, and a membership card bearing a unique number (barcode) is issued. Membership in the Library and Information Centre ends upon graduation. Users are required to return any material or equipment they have borrowed.

The Library and Information Centre operates daily from Monday to Friday, from 08:00 to 20:00 during the official teaching period. During the rest of the year, the opening hours are determined by the supervisory authorities of the Library. Information on borrowing terms is available on the Library website.

Article 14 Rights and Obligations of Students

1. Students meet their academic and examination requirements in accordance with the Department's Study Programme. They cooperate with teaching and research staff for their educational and research needs on days and at times announced in writing or electronically by the instructors at the beginning of each academic semester. They may also address the Dean and the Chair of the Department on matters falling within their competence.
2. Students are also entitled to submit written applications or oral inquiries to the Department Secretariat. Responses to such applications are provided within a reasonable period, in writing or orally, by the competent University staff. The Secretariat is required to receive students on specific days and during public service hours at least three (3) times per week, in order to provide information, receive applications, and perform related duties, in accordance with applicable

university legislation and the decisions of the Department and University governing bodies. Applications may also be submitted electronically.

3. Students participate, through their legally designated representatives, actively in the administrative work of the Department's governing bodies, contributing to the organisation and functioning of its administrative and educational processes, as well as those of the School and the University more generally. The allocation of venues for student events is carried out by the Vice-Rector for Academic Affairs and, where no classroom is available, by timely notification of the instructor responsible for the room. The rooms provided must be returned after use so that other departmental or institutional activities may continue without disruption.
4. Students must present their student ID card whenever they visit the Secretariat or attend examinations. Before the graduation ceremony, they must return their student ID card to the Department Secretariat. At the time graduation clearance procedure, a check is carried out to confirm the termination of meal and/or housing benefits and the return of any borrowed books.
5. Students are entitled to use the Department's laboratory facilities, libraries, reading rooms, and other equipment, in accordance with the decisions of the Department.

Article 15 Scholarships

1. **Scholarships – Awards for Excellence**
By decision of the Department Assembly, the Department may award distinctions and prizes to students based on their academic performance and their individual or family financial situation, provided that the relevant funding is available. The Department has established two (2) monetary awards; the "Andreas Kokkinakis Award" and the "I. Drakopoulos Award." The Institution may also award distinctions and prizes to students based on their academic performance and individual or family financial situation, provided that the relevant funding is available. The specific terms, conditions, and procedure for granting scholarships are defined in the Internal Regulations of the Institution.
2. **Compensatory Scholarships**
Provided that the relevant funding is available, the Institution may grant compensatory scholarships to students of first-, second- and third-cycle study programmes, as well as to postdoctoral researchers, in return for the provision of teaching, research, scientific, administrative, technical, or other support work for the activities of the Institution. The cost of such scholarships may be charged to the budgets of projects/programmes funded by national, private, international, or own resources. The Internal Regulations of the Institution define the specific terms, conditions, award procedure, maximum number of compensatory scholarships, students' obligations, and all details relating to their granting.

Article 16 Academic Identity Card – Special Fare Card

Students may apply electronically for an Academic Identity Card through a specially designed information system throughout the academic year. All students are entitled to apply for an Academic Identity Card. However, Academic Identity Cards will also be valid as Special Fare Cards for travel discounts provided by the applicable legislation only for the following students:

- a) full-time first-cycle students who do not already hold a degree from a Higher Education Institution, for the number of years required to obtain the degree according to the indicative study programme, increased by two (2) years,
- b) part-time first-cycle students who do not already hold a degree from a Higher Education Institution, for a period equal to twice the number of years required to obtain the degree according to the indicative study programme,
- c) students from Member States of the European Union and third countries who study at a Greek Higher Education Institution within the framework of the Erasmus mobility programme, for the period of their studies at the Greek Institution.

The loss of student status for any reason (suspension or removal from the student register) automatically entails termination of the right to hold an Academic Identity Card, which must then be returned to the Department Secretariat.

Article 17 Student Welfare Matters

1. The University ensures that conditions are in place to enable students to meet their university obligations by creating the necessary study and living conditions. Particular attention is paid to students with special needs, who enjoy priority and appropriate access to every type of benefit and right deriving from their student status. Information on all the benefits referred to below is announced by the Directorate of Student Welfare on the Institution's website.
2. Active undergraduate students pursuing their first degree are entitled to free meals, in accordance with the conditions laid down in the applicable legislation and the decisions of the competent bodies. Applications are submitted electronically through the website sitsi.uoa.gr. To access the application, students use the credentials of their institutional account at the beginning of each academic year and within the deadlines set by the Institution.
3. Active students are: a) full-time first-cycle students who do not already hold a degree from a Higher Education Institution, for the number of years required to obtain the degree according to the indicative study programme, increased by two (2) years, and b) part-time first-cycle students who do not already hold a degree from a Higher Education Institution, for a period equal to twice the number of years required to obtain the degree according to the indicative study programme.
4. The conditions for free meals, as well as the required supporting documents, are defined by the applicable legislation and announced by the Directorate of Student Welfare on the Institution's website.

5. Undergraduate students are granted, for the number of years corresponding to the duration of their studies and under specific conditions, an annual housing allowance in accordance with the applicable legislation, as announced by the Department of Student Welfare on the Institution's website.
6. Active undergraduate students who do not already hold a degree are also eligible for free accommodation in the Institution's Student Residences. At the NKUA, the University Student Residence operates and consists of four buildings, Halls A, B, C, and D, located on the University Campus. Admission criteria are social in nature and are described in the operating regulations, which also contain all rules of residence. Room allocation is carried out by public draw. Students wishing to obtain free accommodation must apply electronically via the designated platform from 01/09 to 30/09 each year, either using their university account or through TAXISnet.
7. In accordance with Article 31 of Law 4452/2017, undergraduate students who do not have other medical, pharmaceutical, or hospital coverage are entitled to full medical, pharmaceutical, and hospital care within the National Health System, with related expenses covered by EOPYY, in accordance with Article 33 of Law 4368/2016, as applicable.
8. Undergraduate students may visit the Institution's Health Care Office for matters of medical and pharmaceutical coverage and medical appointments. The process for arranging a medical appointment at the clinics of the Health Care Office of the Student Support Unit is carried out through the website of the Directorate of Student Welfare.
9. The issuance of the European Health Insurance Card (EHIC) for students travelling to European Union countries exclusively for study mobility purposes, as well as the coverage of any related expenses, is carried out by the Institution's services in accordance with the applicable terms and conditions.
10. During the process of granting social benefits, the processing of personal data is carried out in accordance with the General Data Protection Regulation (EU) 2016/679, to ensure the confidentiality of personal data and the equal treatment of all applicants without any form of discrimination.
11. For career guidance, counselling support for transition to the labour market, or continuation of studies, undergraduate students may visit the Institution's Career Office.

Article 18 Requirements for the Award of the Degree

1. A student completes their studies and is awarded a degree upon successful completion of forty (40) courses included in the Study Programme and accumulation of the required total of 240 ECTS credits.
2. The date of award of the degree is defined as the date of the final examined course in each examination period of the Department.
3. The method for calculating the final degree grade is determined by decision of the Department Assembly and approval of the Senate. The degree grade is calculated on a decimal scale with two (2) decimal places.
4. The degree grade is classified as follows: a) Excellent, for grades from 8.50 (inclusive) to 10.00, b) Very Good, for grades from 6.50 (inclusive) to 8.49, and c) Good, for grades from 5.00 to 6.49

Article 19 Student Mobility – Visiting Students

1. Students coming from other Greek Higher Education Institutions or equivalent institutions abroad within the framework of educational European or research cooperation programmes are registered as visiting students of the Department.
2. Visiting students have the same rights and obligations as the Department's students for the duration for their mobility, in accordance with the approved cooperation programme.
3. In the case of students enrolled in Greek Higher Education Institutions, the credits, period of study, successful completion of courses, and grades obtained at the host Institution are recognized and , transferred to the home Institution, provided that the courses are included in an approved cooperation programme.
4. For students participating in international or European educational programmes through University programmes, the period of attendance and the corresponding grade, converted to the applicable grading scale, are fully recognized as actual study time, in accordance with the relevant Learning Agreement and Transcript of Records under the applicable provisions. Grades obtained in courses at foreign Higher Education Institutions must be certified by an original official document issued by the foreign Institution and officially translated into Greek.
5. Recognition of ECTS credits through the Erasmus programme is permitted. Credit recognition is the process by which, following the decision of the Department Assembly, learning outcomes achieved and assessed at another Institution are certified as equivalent to the learning outcomes of courses offered by the Department. Given the diversity of programmes and Higher Education Institutions, credits and learning outcomes for educational unit across different programmes may be not identical. Consequently, a flexible approach is adopted in the recognition of credits obtained at another Institution. The Learning Agreement is signed before the student's departure, so that the student is informed in advance that the courses successfully completed abroad will be fully recognized. It is noted that if a student chooses to attend a course that is not part of their Study Programme and does not wish it to count toward the award of the degree, it may be listed in Section 6.1 of the Diploma Supplement.

Article 20 Recognition of Courses

1. Students admitted to the Department through transfer are given the possibility to have courses recognized which they have attended and successfully completed in their department of origin.
2. Recognition of courses, in accordance with the previous paragraph, is carried out on a case-by-case basis by decision of the Department Assembly, and students are exempted from examination in the courses and/or laboratory exercises of the host Department's Study Programme which they have completed at the Department of origin.

3. The maximum number of courses that may be recognized in the above cases, as well as the required conditions, are determined by decision of the Department Assembly (except in the case of transfers), in accordance with the applicable legislation.

Article 21 Degree – Certificates

1. The Degree is a public document. Its format is determined by decision of the Senate. Each graduate is entitled to receive two copies of the degree and two graduate certificates. Graduates are entitled to receive the degree in parchment form after submitting the relevant fee to the Financial Services of the Institution.
2. Students may be issued with a Certificate of Studies, an Official Transcript of Records, and a Certificate of Completion in Greek and in English translation, upon application to the Department Secretariat.
3. Graduates are awarded a Certificate of Pedagogical and Teaching Competence.
4. From the academic year 2011–2012 onwards, graduates are awarded a Certificate of Computer Use Competence, provided that they have been successfully assessed in a list of relevant courses.

Article 22 Award of Degrees – Graduation Ceremony

A student who has successfully completed their studies takes part in a graduation ceremony before the Rector or the Vice-Rector acting on behalf of the Rector, the Dean of the School, and the Chair of the Department. The graduation ceremony is not a constitutive element of the successful completion of studies; however, it is a necessary condition for the awarding of the degree title.

For reasons of force majeure, and upon application to the Department Secretariat, a graduate may request the issuance of the degree without participating in the graduation ceremony, or request participation in a subsequent ceremony. Prior to the ceremony, or exemption from it, graduates may be issued with a relevant certificate of successful completion of studies. Graduation ceremonies take place after the completion of the examination periods of January-February, June, and September. A Diploma Supplement in Greek and English is attached to the degree.

Article 23 Evaluation – Certification

- A. Formal Evaluation of Student Performance
This includes all written and/or oral examinations or, more generally, assignments and assessment activities expressly provided for the purpose of verifying the extent to which the intended learning outcomes have been achieved. It consists in awarding a specific number of credits to the students when they demonstrate the achievement of predetermined intended learning outcomes in each course/educational unit.
A prerequisite for formal evaluation is the full alignment between the intended learning outcomes, the teaching/learning activities that have taken place, and the methods and criteria by which the student is assessed.
- B. Evaluation of Teaching Work
The evaluation of teaching work is carried out by students through relevant questionnaires distributed to them between the 8th and the 13th week of each academic semester. The purpose of this process is to document the level of quality and effectiveness of teaching work as a criterion for the certification of study programmes in accordance with the applicable legislation. The content of the questionnaires is formulated or revised in accordance with the guidelines of HAHE, as well as with the specific profile of the Undergraduate Study Programme.
- C. Certification of the Undergraduate Study Programme
The Study Programme is subject to periodic certification. Certification is a quality assurance process carried out on the basis of specific, predefined, internationally accepted, and previously published quantitative and qualitative criteria and indicators, aligned with the Standards and Guidelines for Quality Assurance in the European Higher Education Area (ESG 2015). Certification is conducted using common quality assurance criteria and procedures, in accordance with national legislation, the decisions of the Hellenic Authority for Higher Education (HAHE), and the commitments of Greece as a member of the European Higher Education Area. It is an impartial process, conducted under conditions of transparency and merit, by a recognized independent authority, HAHE. It is based on evidence and carried out by independent experts appointed by HAHE. The Department's Internal Evaluation Group is responsible for conducting the internal evaluation procedures.

Article 24 Approval and Amendment of these Regulations

1. These Regulations were approved by the Department Assembly and may be amended whenever deemed necessary.
2. Matters not regulated by these Regulations shall be regulated by decisions of the competent bodies, in accordance with the applicable legislation.

CERTIFICATE OF PEDAGOGICAL AND TEACHING COMPETENCE

The Undergraduate Study Programme of the Department of Geology and Geoenvironment of the University of Athens has been designed as a multidimensional educational programme combining theoretical knowledge and practical skills across the broad range of specializations related to the geoenvironment.

Recognizing the importance of graduates being competent not only in Geosciences but also in Pedagogy, Didactics, and Education, the Department has included the compulsory course *Didactics of Geology and Environmental Sciences* in the Study Programme. The course aims to train young scientists in learning theories, teaching practice, and the use of appropriate methods for the design and implementation of teaching interventions. It also includes visits to secondary education schools, helping students connect their theoretical knowledge with teaching practice.

The pedagogical competence of all Department graduates is further strengthened by specially designed course components highlighting Geosciences through the educational process, within the syllabus of the introductory courses *Introduction to Geology, Physical Geography and Environment*, and the compulsory advanced courses *Environmental Geology* and *Geology of Greece*.

On the basis of the above, the Study Programme meets the requirements of Article 111 of Law 4547/2018 and allows the basic degree awarded by the Department (Degree in Geology and Geoenvironment) to include certification of pedagogical and teaching competence.

The Certificate of Pedagogical and Teaching Competence is awarded free of charge to all graduates of the Department of Geology and Geoenvironment upon completion of the degree and is certified through the compulsory courses that fully cover Geological and Environmental Education.

https://www.geol.uoa.gr/spoydes/proptychiakes/pistopoiitiko_paidagogikis_didaktikis_eparkeias

CERTIFICATE OF COMPUTER USE COMPETENCE

Successful completion of the Undergraduate Study Programme of the Department leads to the award of a Certificate of Computer Use Competence. This certificate has been granted, for students admitted from 2011 onwards, on the basis of successful examinations in a series of semester courses, depending on each graduate's year of admission.

From the 2018 admission year onwards, the Certificate of Computer Use Competence is linked to successful examination in fourteen (14) semester courses.

In granting the above certificates, account has been taken of Circular No. 38909/26-04-2023 of the Vice-Rector of NKUA, as well as the relevant Ministerial Decisions.

https://www.geol.uoa.gr/spoydes/proptychiakes/pistopoiitiko_chrisis_i/y

ACADEMIC ADVISOR

By decision of the General Assembly of the Department, from the Academic Year 2011–2012 onwards, the institution of the **Academic Advisor** was established for newly admitted students. The purpose of introducing the *Academic Advisor* is to improve the quality of studies by providing responsible advisory support, also on a personal level, to undergraduate students. This advisory work concerns both general guidance regarding the pace of course selection and attendance, as well as more specific matters that may arise.

The role of *Academic Advisor* is undertaken by members of the academic staff of the Department, regardless of rank or position. *Academic Advisors* follow the students assigned to them from the beginning until the completion of their studies.

Students are informed of their *Academic Advisor* during their registration at the Department Secretariat and are expected to contact them as soon as possible. The first meeting between *Academic Advisor* and student should take place within the first month of study. In the event of the *Academic Advisor* being absent on educational or other leave, their advisory duties are temporarily undertaken by their substitute. If the *Academic Advisor* does not perform their duties in the manner expected by the institution, the student assigned to them may request, through a justified application to the Department, that they be replaced.

https://www.geol.uoa.gr/spoydes/proptychiakes/akadimaikos_symboylos

INTERNSHIP

The **Department's Internship** has been included as a programme within the framework of the Project entitled "*Internship of the National and Kapodistrian University of Athens for the Academic Year 2023–2024*", with OPS Code

5184403, which forms part of the Operational Programme “*Human Resources Development, Education and Lifelong Learning 2014–2020*” and is co-financed by the European Social Fund (ESF), under Subproject (1) entitled “*Funding for the Internship of the Departments of the National and Kapodistrian University of Athens.*”

Student participation in the Internship Programme is optional and may take place only once during their studies. The Internship is included among the elective courses of the Undergraduate Study Programme and carries 8 ECTS credits. The grade of the Internship is not included in the final degree grade.

The total duration of the Internship for the Department of Geology and Geoenvironment is eight (8) weeks (2 months) of full-time employment. During this two-month period, student trainees receive a monthly participation allowance, the amount of which is determined by the Internship Office of the University of Athens, and they are insured through the resources of the Programme. Host organizations are not involved in matters of remuneration and insurance.

The procedure for submitting applications for student participation in the Internship Programme, as well as the selection criteria for the available positions (as defined annually for the Department by the NKUA Internship Office), are described in detail in the relevant call, which is posted at the beginning of the winter semester on the Department’s website and/or communicated via eClass.

Participation in the programme requires, both on the part of the students and of the Host Organizations, the acceptance of specific terms and the fulfillment of a series of commitments and deliverables, as described in detail in the Internship Regulations – ESPA of the Department of Geology and Geoenvironment.

Information: Tel. +30 210 727 4693, Email: praktiki@geol.uoa.gr

ANDREAS KOKKINAKIS AWARD

This is an annual monetary award of one thousand euros (€1,000), established by his family in memory of **Andreas Kokkinakis, former Assistant Professor of Petrology** in the Section of Mineralogy and Petrology.

The award is granted to one student who has achieved the highest performance in compulsory courses of the Department’s Undergraduate Study Programme related to the **Petrology of Igneous, Sedimentary, and Metamorphic Rocks**. The award is intended for second-year students.

Further details and conditions for the award are as follows:

1. The monetary “Andreas Kokkinakis Award” is granted to the second-year student of the Department’s Undergraduate Study Programme who has successfully passed, with a grade of at least seven (7), the compulsory courses: a) *Igneous Rocks – Magmatic Processes*, b) *Petrology of Sedimentary Rocks*, and c) *Petrology of Metamorphic Rocks*, during the winter and spring examination periods, as well as the September examination period, and who has achieved the highest aggregate grade.
2. The monetary award is accompanied by an official certificate signed by the competent authorities.
3. In the event of a tie in the aggregate grades, the certificate is awarded to all students with the same score, while the monetary award is granted to the student with the lower family income.
4. If the above conditions for the granting of the award are not met, the award is not granted for that academic year.
5. The award is presented during the first welcome event for first-year students of the Department of Geology and Geoenvironment, following the official declaration of the award recipient by the competent services.

https://www.geol.uoa.gr/tmima/paroches/brabeio_andrea_kokkinaki

COURSES CATALOGUE

* **T:** lecture hours, **L:** laboratory hours, **ECTS:** European Credit Transfer and Accumulation System credits

** Seminar courses and elective courses are offered only if they are selected by at least five (5) students.

https://en.geol.uoa.gr/study/undergraduate_program/courses

1 st SEMESTER				
Code	Course Title	T	L	ECTS
COMPULSORY COURSES				
Y1201	Physical Geography and Environment	3	2	6
Y1202	Physics	3	2	6
Y1203	Chemistry	2	3	6
Y1204	Introduction to Differential and Integral Calculus and Statistics	4	2	6
Y1205	Mineralogy – Crystallography	2	2	6
ELECTIVE COURSES				
ΣM001	Getting Acquainted with Geoscience	2	–	1
ΣM002	Informatics	2	–	2

2 nd SEMESTER				
Code	Course Title	T	L	ECTS
COMPULSORY COURSES				
Y2201	Introduction to Geology	4	3	6
Y2202	Systematic Mineralogy – Mineral Identification	3	3	6
Y2203	Climatology and Climate Changes	3	2	6
Y2204	Geographic Information Systems and Introduction to Remote Sensing	3	3	6
Y2205	Macropalaeontology	3	3	6
ELECTIVE COURSES				
E4201	Mathematical Methods in Geosciences	2	2	4

3 rd SEMESTER					
Code	Course Title	T	L	ECTS	
COMPULSORY COURSES					
Y3201	Igneous Rocks – Magmatic Processes	3	2	6	
Y3202	Petrology of Sedimentary Rocks	3	2	6	
Y3203	Seismology	3	2	6	
Y3205	Structural Geology and Tectonics	4	2	6	
Y3206	Biogeosciences – Principles of Micropalaeontology	2	2	6	
ELECTIVE COURSES					
E3202	Rock-Forming Minerals		2	2	4

4 th SEMESTER				
Code	Course Title	T	L	ECTS
COMPULSORY COURSES				
Y4201	Petrology of Metamorphic Rocks	2	2	6
Y4202	Geophysics	4	2	6
Y4203	Geochemistry	4	2	6

Y4205	Oceanography	3	2	6
Y4206	Sedimentary Environments and Processes	3	2	6
ELECTIVE COURSES				
E4202	Dynamic Geology	2	1	4
E4203	Exploration of the Earth's Interior	2	1	4
SEMINAR COURSES				
ΣM003	Programming – Applications in Geosciences	2	–	2
ΣM004	Essay Writing	1	–	2

5th SEMESTER

Code	Course Title	T	L	ECTS
COMPULSORY COURSES				
Y5201	Geomorphology	3	2	6
Y5202	Stratigraphy	3	2	6
Y5203	Engineering Geology	4	2	6
Y5204	Geology of Greece	3	4	6
ELECTIVE COURSES				
E5201	Seismology of Greece – Plate Tectonics	2	1	4
E5202	Quaternary Geology and Archaeogeomorphology	2	1	4
E5203	Volcanology	2	1	4
E5207	Karst Geomorphology – Principles of Speleology	2	1	4
E5208	Applied Environmental Oceanography	2	1	4
E5209	Environmental Geochemistry	1	2	4
E5210	Palaeobotany – Climate Reconstruction Techniques	1	2	4
E5211	Methods of Analysis of Rocks and Ores – Fluid Inclusions	2	1	4

6th SEMESTER

Code	Course Title	T	L	ECTS
COMPULSORY COURSES				
Y6201	Applied and Engineering Seismology	2	2	6
Y6202	Hydrogeology	2	4	6
Y6203	Geological Mapping – Field Course	2	2	6
Y6205	Geology of Magmatic and Hydrothermal Ore Deposits	2	2	6
ELECTIVE COURSES				
E5205	Soil Mechanics – Rock Mechanics	2	1	4
E6201	Renewable Energy Sources: Solar and Wind Energy – Geothermy	2	1	4
E6202	Macroseismology	2	1	4
E6203	Coastal and Submarine Geomorphology and Coastal Zone Management	2	1	4
E6204	Applied Geomorphology – Urban Geomorphology	2	1	4
E6205	Remote Sensing – Photogeology – Mathematical Geography	2	1	4
E6206	Industrial Minerals	1	2	4
E6209	Petrogenesis of Igneous Rocks and Ophiolitic Complexes	2	1	4
E6210	Microtectonics and Structural Analysis	1	2	4
E6213	Analytical and Isotope Geochemistry	1	2	4
E6214	Petrogenesis of Sedimentary Rocks	2	1	4
E8203	Stratigraphy and Palaeogeography of Greece	2	1	4

7 th SEMESTER				
Code	Course Title	T	L	ECTS
COMPULSORY COURSES				
Y7201	Environmental Geology	4	2	6
Y7203	Applied Geophysics	3	3	6
Y7204	Geology of Sedimentary and Supergene Ore Deposits	2	2	6
ELECTIVE COURSES				
E7201	Natural Disasters	1	3	4
E7202	Satellite Techniques and Geographic Information Systems in Geosciences	2	1	4
E7203	Earthquake Prediction	2	1	4
E7206	Evolutionary Palaeontology – Palaeoanthropology	2	2	4
E7207	Vertebrate Palaeontology	2	1	4
E7208	Marine Geology	2	1	4
E7209	Petrogenesis of Metamorphic Rocks and Elements of Thermodynamics	2	1	4
E7210	Neotectonics	2	1	4
E7213	Groundwater Hydraulics	2	1	4
E7214	Geophysical Fluids and Induced Seismicity	3	1	4
E7215	Hydrogeochemistry	1	2	4
E7216	Atmospheric Pollution	2	1	4
E7217	Mineral Resources and Energy Transition	2	2	4
E7218	Applied and Environmental Mineralogy and Petrology	2	1	4
E7219	Applied Climatology	2	1	4
E7220	Environmental Micropalaeontology - Palaeoclimatology	2	1	4
E7221	Geotechnical Projects	2	1	4
E8207	Mineral resources and the Environment	2	1	4
INTERNSHIP				
ΠA001	Practical Training (Internship)	-	-	8

8 th SEMESTER				
Code	Course Title	T	L	ECTS
COMPULSORY COURSES				
Y8202	Dissertation – Research			20
Y8203	Dissertation – Literature Review			12
E8206	Didactics of Geology and Environmental Sciences	2	2	6
ELECTIVE COURSES				
E8201	Engineering and Environmental Geophysics	2	1	4
E8211	Geology of Europe	2	1	4
E8215	Applied Geophysics in Geology	2	1	4
E8216	Volcanic Seismology	2	1	4
E8217	New Venture Creation	2		4
E8218	Palaeoecology	3	1	4
E8219	Oil exploration – Sedimentary Basins and Petroleum Systems	2	1	4
E8220	Geological Heritage and Geoconservation	2	1	4
E8221	Methods in Mineral Exploration	2	1	4
E8222	Water Resources Management - Vulnerability	2	2	4
INTERNSHIP				
ΠA001	Practical Training (Internship)	-	-	8

USEFUL INFORMATION

ACADEMIC CALENDAR 2026 - 2027

[22nd General Assembly, 15-06-2026]

Winter Semester

Start of Courses	Monday, September 28, 2026	
End of Courses	Friday, January 15, 2027	
Public Holidays	National Holiday	Wednesday, October 28, 2026
	NTUA Anniversary	Tuesday, November 17 2026
	Christmas break	Thursday, 24/12/2026 to Wednesday, 6/1/2027
Exams Period	Monday, 25/1/2027 to Friday, 12/2/2027	

Spring Semester

Start of Courses	Monday, February 15, 2027	
End of Courses	Friday, June 4, 2027	
Public Holidays	Scholl of Law Anniversary	Sunday, February 21, 2027
	Shrove Monday	Monday, March 15, 2027
	National Holiday	Thursday, March 25, 2027
	Easter break	Monday, 26/4/2027 to Sunday, 7/5/2027
	May Day	Saturday, May 1, 2027
	NKUA day	Monday, May 3, 2027
	Holy Spirit Day	Monday, June 21, 2027
Exams Period	Monday, 14/6/2027 to Friday, 2/7/2027	

** Classes are suspended on the day of the student elections and the following day.*

SEPTEMBER RE-EXAMS PERIOD (Winter & Spring Semester)

Wednesday, 1/9/2027 to Tuesday, 28/9/2027

ACCESSIBILITY UNITS

The National and Kapodistrian University of Athens operates the **Unit for Equal Access for Persons with Disabilities and Persons with Special Educational Needs**, hereafter referred to as the “**Accessibility Unit**” (<https://access.uoa.gr>).

The Unit constitutes an administrative service of the University and operates as a Department under the Directorate of Student Welfare within the General Directorate of Education.

Mission

The mission of the Accessibility Unit is to provide **individualised accommodation and accessibility services** to each student with disabilities and each student with special educational needs (SwD & SEN), to ensure:

- equal participation in lectures and laboratory classes during the academic semester
- equal participation in all forms of examinations and assessment procedures

These services are tailored according to the specific barriers or limitations faced by each student.

Target Group

The Unit addresses:

- students of the University
- members of the wider academic community

who are people with:

- sensory disabilities
- mobility impairments
- learning difficulties (e.g., dyslexia)
- attention deficit (hyperactivity) disorder (ADHD)
- neurodevelopmental disorders (e.g., autism spectrum / Asperger syndrome)
- serious medical conditions
- significant psychosocial difficulties

Accessibility Academic Advisors

Each Department appoints an **Accessibility Academic Advisor** and a Deputy. The Advisor:

- acts as a liaison between students (SwD & SEN) and teaching staff
- plays a central role in coordinating accommodations
- eliminates the need for students to contact each instructor individually

Administrative Support Officers

Each Department designates a **Secretariat Officer** (and deputy) responsible for facilitating the effective support of students with disabilities and special educational needs.

Registration Procedure

To receive accommodation and services, students or members of the academic community must:

1. Register with the Accessibility Unit
2. Submit the **Activity and Participation Limitations Form** along with supporting medical documentation
3. Attend an interview with a Unit staff member

Information Material

A brief overview of the services provided is available in the **Accessibility Unit Information Leaflet** (DOCX or PDF format).

Contact Information

Department of Informatics and Telecommunications Building (Ground Floor), University Campus, 15784 Athens
Tel. +30 210 7275687, +30 210 7275183, +30 210 7275130, email: access@uoa.gr, webpage: access.uoa.gr

Department Contacts

- **Accessibility Academic Advisor:** Prof. G. Kaviris, email: kaviris@geol.uoa.gr
- **Deputy Advisor:** Assoc. Prof. K. Eleftheratos, email: kelef@geol.uoa.gr
- **Secretariat Officer:** Ms. Eleni Chrysopoulou, email: elxrisop@uoa.gr

DIRECTORATE OF STUDENT WELFARE

The mission of the Directorate of Student Welfare is to provide services to students in matters related to:

- healthcare provision
- career development and internships
- student catering (meals)
- cultural and sports activities
- operation of student reading rooms and computer facilities
- support for students with disabilities
- support for international students

Departments and Responsibilities

1. Secretariat and Administrative Support Department

2. Student Support Unit

- A. Internship Office
- B. Career Office (Career Services Office)
- C. Cultural Activities Office
- D. Sports Activities Office
- E. Student Reading Rooms and Computer Facilities Office
- F. Healthcare Office
- G. International Student Support Office
- H. Student Assistance Fund

3. Catering and Accommodation Department

4. Student Housing Department

5. Accessibility Unit (Unit for Equal Access for Persons with Disabilities and Special Educational Needs)

6. Alumni Office

STUDENT HEALTHCARE SERVICE

Healthcare services operate both at the University Club and within the University Campus.

Service	Contact
Medical Examination	+30 210 3688208
Hospital Care	+30 210 3688208, +30 210 3688218
Pharmaceutical Care	+30 210 3688208, +30 210 3688241, +30 210 3688243, +30 210 3688210
Laboratory Tests	+30 210 3688208, +30 210 3688241, +30 210 3688243, +30 210 3688210
Home Visits	+30 210 3688208, +30 210 3688243
Physiotherapy	+30 210 3688208, +30 210 3688241, +30 210 3688243
Dental Care	+30 210 3688210
Orthopaedic Supplies	+30 210 3688208, +30 210 3688241, +30 210 3688243

CLINICS & OPERATING HOURS:

UNIVERSITY CLUB BUILDING – 1st FLOOR

Unit	Contact	Hours	
Internal Medicine Clinics	+30 210 3688241 +30 210 3688243	Monday–Friday	08:00–14:00
Gynaecology Clinic	+30 210 3688242	Tuesday & Thursday Friday	10:30–12:45, 10:30–15:00
Dermatology Clinic	+30 210 3688209	Tuesday & Thursday	12:00–14:30
Radiology Laboratory	+30 210 3688212	Monday–Friday,	08:00–13:30
Dental Clinic	+30 210 3688210	Monday–Friday	08:30–13:00
Psychosocial Support Unit	+30 210 3688226	(4th Floor) Tuesday & Wednesday	10:00–13:00

UNIVERSITY CAMPUS – FEPA BUILDING A (GROUND FLOOR)

Unit	Contact	Days	Hours
Internal Medicine Clinic	+30 210 7275567	Monday–Friday	09:00–13:30
Dermatology Clinic	+30 210 7275582	Monday & Wednesday	12:00–14:30
Psychosocial Support Unit	+30 210 7275580	Tuesday & Friday	10:00–13:00
Psychosocial Support Unit	+30 210 7275580	Monday, Wednesday & Thursday	13:00–19:00

UNIVERSITY CAMPUS – FEPA BUILDING A (BASEMENT)

Unit	Contact	Days	Hours
Swimming Pool & Gym Medical Office	+30 210 7275568–9	Monday–Friday	15:00–20:00

UNIVERSITY CAMPUS – SCHOOL OF PHILOSOPHY BUILDING (GROUND FLOOR)

Unit	Contact	Days	Hours
Internal Medicine Clinic	+30 210 7277873	Monday–Friday	08:30–13:00

UNIVERSITY CAMPUS – SCHOOL OF SCIENCE BUILDING

Unit	Contact	Days	Hours
Occupational Health Clinic	+30 210 7274391	Monday–Friday	08:00–20:30

FOREIGN LANGUAGE TEACHING CENTRE

The **Foreign Language Teaching Centre** of the National and Kapodistrian University of Athens is an independent academic unit that provides high-level instruction in foreign languages.

Currently, 28 languages are taught at all proficiency levels: English, Albanian, Arabic, Armenian, Bulgarian, French, German, Georgian, Danish, Japanese, Hindi (including Sanskrit), Spanish, Italian, Chinese, Korean, Norwegian, Dutch, Ukrainian, Persian, Portuguese, Polish, Russian, Serbian, Swedish, Turkish, Czech, Romanian and Finnish.

Courses are held in the centre of Athens and are open not only to students of the National and Kapodistrian University of Athens, but also to students of all Greek Higher Education Institutions, as well as to employees and other interested individuals. Tuition fees are affordable.

The Centre awards a **Certificate of Attendance** and a **Certificate of Studies** to participants who successfully complete their courses.

The Secretariat of the Foreign Language Teaching Centre is located at 7 Ippokratous Street (2nd floor), Athens. During the enrolment period, it operates daily from 09:00 to 15:00.

Website: www.didaskaleio.uoa.gr

Email: secre@didaskaleio.uoa.gr

Telephone: +30 210 3688204, +30 210 3688262, +30 210 3688265, +30 210 3688266, +30 210 3688267, +30 210 3688245

UNIVERSITY OF ATHENS STUDENT CULTURAL ASSOCIATION

The Student Cultural Association aims to support and promote the artistic activities of students of the National and Kapodistrian University of Athens. It serves as a space for collective expression and creativity, where students engage with works of art and are encouraged to create their own artistic projects.

It is the central cultural body for students of the University and consists of four artistic divisions: theatre, cinema, photography and dance.

The Association is housed at the University Club (15 Ippokratous St. & 55 Akademias St., Athens), where students have been learning and creating for more than four decades.

For information regarding the dance, film and photography divisions: +30 210 368 8205

Webpage: https://www.uoa.gr/foitites/paroches_drastiriotites/politistikos_omilos_foititon

UNIVERSITY SPORTS CENTRE (FITNESS CENTER AND SWIMMING POOL)

The University fitness center and its sports facilities, located at the University Campus in Ano Ilisia, are available to all students and are provided entirely free of charge, ensuring that everyone has the opportunity to participate in a wide range of sports programmes and activities. These aim to help students make productive use of their free time, improve their quality of life and promote lifelong physical exercise.

Classes and training sessions are conducted under the supervision and guidance of Physical Education instructors with extensive experience and certified expertise. Participating students, in addition to their recreational involvement and training in sports activities, may also join the representative teams of their Department, School or the University and take part, throughout the academic year, in internal, national, inter-university and international student championships.

For further information: 210 727 5551, 210 727 5557, 210 727 5560 και 210 727 5549

Webpage: https://www.uoa.gr/foitites/paroches_drastiriotites/politistikos_omilos_foititon

STUDENT COUNSELING CENTER

The Center was established by Rector's Act on **26 October 1990** and, in 2002, was officially designated as a Laboratory of the Department of Psychology within the Faculty of Philosophy, Education and Psychology (Government Gazette No. 99), under the title **"Student Psychological Counseling Laboratory."**

The Laboratory is a member of the FEDORA (European Forum for Student Guidance in Higher Education) and a founding member of **FEDORA-PSYCHE**, a branch of FEDORA dedicated to student psychological counseling (www.fedora.eu.org).

The Laboratory serves students from all Departments of the NKUA and provides support and counseling on issues such as:

- **Academic and student life matters** (e.g. exam anxiety, study difficulties, adjustment to university life)
- **Interpersonal relationships** (e.g. with friends, fellow students, family, partners)
- **Personal difficulties and stress-related issues** (e.g. reduced performance, lack of motivation, psychosomatic symptoms, social withdrawal)

The specialists working at the Laboratory are not members of the University's teaching staff.

tel: 210 727 7554, fax: 210 72 7553.

Webpage: https://www.uoa.gr/foitites/symboleytikies_ypiresies/symboleytiko_kentro_tomea_psychologias

SCHOLARSHIPS AND AWARDS

The National and Kapodistrian University of Athens administers a number of special-purpose endowments that provide scholarships and awards. Scholarships are granted for undergraduate or postgraduate studies in Greece or abroad.

Information: Endowments Office, 6 Christou Lada St., 6th floor, Athens Tel.: +30 210 368 9131–4

Webpage: https://www.uoa.gr/foitites/paroches_drastiriotes/ypotrofies_brabeia

LIBRARY OF THE SCHOOL OF SCIENCE

The Library of the School of Sciences serves the needs and requirements of the Departments of the School of Sciences, as well as the Department of Pharmacy.

Address: University Campus, Zografou, 15784 Athens

Entrances:

1. Between the buildings of the Departments of Physics and Mathematics
2. Through the corridor on the 3rd floor of the Department of Mathematics

Opening hours: Monday – Friday: 08:30 – 18:00

e-mail: sci@lib.uoa.gr

Loan Services Tel.: +30 210 727 6519

Secretariat and Pergamos Tel.: +30 210 727 6525

Eudoxus Tel.: +30 210 727 6535

The Library Secretariat and the Loan Office operate: Monday – Friday: 08:30 – 15:00

webpage: <https://sci.lib.uoa.gr/index.html>