

**HELLENIC REPUBLIC  
UNIVERSITY OF PATRAS**



**SCHOOL OF NATURAL SCIENCES  
DEPARTMENT OF GEOLOGY,  
UNIVERSITY CAMPUS, 26504, PATRAS, GREECE  
Email: geolsecret@upatras.gr <http://www.geology.upatras.gr>**

**DIPLOMA SUPPLEMENT**

This Diploma Supplement is based on the model developed by the European Commission, Council of Europe and UNESCO/CEPES. The purpose of the supplement is to provide sufficient independent data to improve the international 'transparency' and fair academic and professional recognition of qualifications (diplomas, degrees, certificates etc.). It is designed to provide a description of the nature, level, context, content and status of the studies that were pursued and successfully completed by the individual named on the original accompanying qualification to which this supplement is appended. It should be free from any value judgments, equivalence statements or suggestions about recognition. Information in all eight sections should be provided. Where information is not provided, an explanation should give the reason why.

<b>1. INFORMATION IDENTIFYING THE HOLDER OF THE QUALIFICATION</b>			
	<b>1.1 Family Name(s)</b>		<b>1.2 Given Name(s)</b>
<b>1.3</b>	<b>Student identification number or code</b>		
<b>1.4</b>	<b>Date of birth (day/month/year)</b>	<b>1.5</b>	<b>Place, Country of Birth</b>
<b>2. INFORMATION IDENTIFYING THE QUALIFICATION</b>			
<b>2.1</b>	<b>Name of the qualification and (if applicable) title conferred (in original language)</b>	<b>2.2</b>	<b>Main field (s) of study for the qualification</b>
	<i>Bachelor of Science in Geology</i>		<i>Geology</i>
<b>2.3</b>	<b>Name and status of awarding institution (in original language):</b>	<b>2.4</b>	<b>Name and status of institution (if different from 2.3) administering studies (in original language) :</b>
	<i>University of Patras (HEI), Public University (Panepistimio Patron)</i>		
<b>2.5</b>	<b>Language(s) of instruction/examination:</b>		
	<i>Greek</i>		
<b>3. INFORMATION ON THE LEVEL OF THE QUALIFICATION</b>			
<b>3.1</b>	<b>Level of qualification</b>	<b>3.2</b>	<b>Official length of programme</b>
	<i>Undergraduate program (1<sup>st</sup> cycle of studies)</i>		<i>4 Academic Years (8 Semesters, 240 ECTS)</i>
<b>3.3</b>	<b>Admission requirement(s):</b>		
	<i>1. School-leaving certificate for secondary education (Apolytirio from Lyceum)</i> <i>2. National (Panhellenic) Entrance Examinations</i>		
<b>4. INFORMATION ON THE CONTENT AND RESULTS GAINED</b>			
<b>4.1</b>	<b>Mode of study</b>		
	<i>Full-time Attendance</i>		
<b>4.2</b>	<b>Undergraduate program requirements</b>		

Name ..... (ID).....

In order to obtain the degree issued by the Department of Geology, students are required to attend and study successfully in 34 compulsory courses and 18 elective courses with 30 ECTS credits for each semester and 240 ECTS in total for 8 semesters. The program is structured as follows: The first six semesters include 34 compulsory courses and 6 elective courses. In the third semester of study, anyone who chooses the optional course "English Terminology of Geology" obtains a certificate with a degree. In the 7<sup>th</sup> or 8<sup>th</sup> semester of study the student can choose the "Traineeship" as an optional course which is not rated but is characterized as PASS. Finally, during the last two semesters, students choose a total of 12 elective courses, one of which is the Bachelor Dissertation, which is distinguished in Dissertation Ia, Ib, Ic and Dissertation IIa, IIa, IIc.

The Program of the Department of Geology has a total 76 courses (34 compulsory, 42 elective and 3 optional). From the 34 compulsory courses, the 28 courses are offered by the Department of Geology and the 6 courses are offered by other Departments of the University.

Students who have been admitted to the Department of Geology of the University of Patras since the academic year 2005-2006, in order to obtain their degree, are required to practice in the field for at least twenty-seven (27) days in total. From the above fieldwork days the twenty (20) are related to field trips and excursions of all years of study and the remaining seven (7) days comprise field exercises of the compulsory course "Geological Mapping".

The Department aims at the optimal education and training of the students and their preparation for continuous acquisition of knowledge, service in society and taking positions of responsibility.

The graduates of the Department of Geology, in addition to the basic knowledge of their science and profession, have the capacity to respond to the scientific and technological requirements of the time, to join the labor market of the country as well as the European Union and to contribute to the industrial production and the economic development of the country.

**4.3 Program details (e.g. modules or units studied), and the individual grades/marks/credits obtained):**

Courses that the student has successfully attended, as well as courses for which the student has received recognition or exemption are as follows:(C: Compulsory courses, E: Elective courses, O: Optional courses).

CODE	COURSE	TYPE	Semester	ECTS	Grade	Examination period	ECTS Grading
GEO_101	Physics I	C	1	4			
GEO_102	Mathematics I	C	1	4			
GEO_103	Planet Earth- Surface Processes	C	1	6			
GEO_104	Chemistry I	C	1	4			
GEO_106	Introduction to the Computer Sciences I	C	1	4			
GEO_107	Principles of Oceanography	C	1	5			
GEO_101E	Cognitive Analysis of learning in Education	E	1	3			
GEO_109E	School Psychology	E	1	3			
GEO_303E	Interpersonal relations and education	E	1	3			
GEO_104E	Commercial Law	E	1	3			
GEO_102E	Economics of Natural Resources and Environment	E	1	3			
GEO_103E	Fundamentals Civil Law	E	1	3			
GEO_108E	English for Geology 1	E	1	3			
GEO_201	Physics II	C	2	4			
GEO_202	Mathematics II	C	2	4			
GEO_203	Planet Earth-Endogenous Processes	C	2	5			
GEO_204	Chemistry II	C	2	4			
GEO_206	Introduction to the Computer Sciences II	C	2	4			
GEO_105	Earth materials I: Crystal structures and mineral properties	C	2	6			
GEO_201E	School Counseling	E	2	3			
GEO_203E	European Integration	E	2	3			
GEO_209E	English for Geology II	E	2	3			
GEO_407	Geomorphology	C	3	4			
GEO_205	Earth materials II: Crystal Chemistry and Mineral Systematics	C	3	6			
GEO_304	Evolution of Life - Palaeontology	C	3	5			
GEO_305	Geochemistry	C	3	5			
GEO_404	Geophysics	C	3	6			
GEO_307	Computer application in Earth Sciences	C	3	4			
GEO_308	Seminar-English for Geology	O	3	3			

Name ..... (ID).....

GEO_301A	Stratigraphy - Historical Geology	C	4	5		
GEO_408	Sedimentology	C	4	5		
GEO_405	Structural Geology	C	4	4		
GEO_409	Seismology	C	4	6		
GEO_302	Petrography of Igneous Rocks	C	4	6		
GEO_507	Hydrochemistry	C	4	4		
GEO_402	Petrography of Sedimentary and Metamorphic Rocks	C	5	5		
GEO_605	Energy Sources	C	5	5		
GEO_401	Remote sensing in the marine environment	C	5	4		
GEO_603	Applied Hydrogeology	C	5	5		
GEO_702	Engineering Geology	C	5	5		
GEO_603E	Sedimentary Basin Analysis	E	5	3		
GEO_703	Engineering Seismology	E	5	3		
GEO_602E	Clay minerals and environmental applications	E	5	3		
GEO_503E	Industrial Minerals	E	5	3		
GEO_610E	GIS and Remote Sensing in Applied Geology	E	5	3		
GEO_504E	The application of Biomarkers in the study of historical and prehistorical environments	E	5	3		
GEO_608	Petrology of Igneous and Metamorphic Rocks	C	6	4		
GEO_602	Geological Mapping	C	6	4		
GEO_607	Ore Geology	C	6	4		
GEO_704	Environmental Hydrogeology	C	6	6		
GEO_802	Geology of Technical Works and the environment	C	6	6		
GEO_607E	Operational Oceanography applications in the management of the marine environment	E	6	3		
GEO_608E	Application of Remote sensing in Geology	E	6	3		
GEO_609E	Marbles and Aggregate materials	E	6	3		
GEO_703E	Coal Geology	E	6	3		
GEO_403E	Hydrology	E	6	3		
GEO_606	Engineering Geophysics	E	6	3		
GEO_611	Seminar authoring scientific papers and CV writing	O	6	3		
GEO_905	Traineeship	O	7	5		
GEO_901E	Bachelor Dissertation (Ia)	E	7	5		
GEO_902E	Bachelor Dissertation (Ib)	E	7	5		
GEO_903E	Bachelor Dissertation (Ic)	E	7	5		
GEO_710E	Applied Geomorphology	E	7	5		
GEO_504	Geodynamics	E	7	5		
GEO_502E	Earthquake Geology	E	7	5		
GEO_711E	Insights in Ore Geology	E	7	5		
GEO_601E	Magmatism in the Hellenic Region	E	7	5		
GEO_804E	Petrogenesis of Ophiolitic Complexes	E	7	5		
GEO_805	Geothermal Energy	E	7	5		
GEO_706E	Metamorphism in the Hellenic Region	E	7	5		
GEO_713E	Meteorology - Climatology	E	7	5		

<b>GEO_821E</b>	<i>Environmental Hygiene – Environmental Microorganisms</i>	<i>E</i>	7	5		
<b>GEO_806</b>	<i>Elements of Geotechnical Engineering</i>	<i>E</i>	7	5		
<b>GEO_715E</b>	<i>Disposal of solid and liquid wastes in the geological environment</i>	<i>E</i>	7	5		
<b>GEO_904E</b>	<i>Bachelor Dissertation (IIa)</i>	<i>E</i>	8	5		
<b>GEO_905E</b>	<i>Bachelor Dissertation (IIb)</i>	<i>E</i>	8	5		
<b>GEO_906E</b>	<i>Bachelor Dissertation (IIc)</i>	<i>E</i>	8	5		
<b>GEO_705</b>	<i>Environmental Oceanography</i>	<i>E</i>	8	5		
<b>GEO_702E</b>	<i>Petroleum Geology</i>	<i>E</i>	8	5		
<b>GEO_820E</b>	<i>Applied Micropalaeontology – Palaeoenvironment</i>	<i>E</i>	8	5		
<b>GEO_823E</b>	<i>Geology of Greece</i>	<i>E</i>	8	5		
<b>GEO_810E</b>	<i>Interpretation and analysis of geological maps</i>	<i>E</i>	8	5		
<b>GEO_811E</b>	<i>Special Issues of Petrology</i>	<i>E</i>	8	5		
<b>GEO_815E</b>	<i>Protection of the geological, geographic and human heritage</i>	<i>E</i>	8	5		
<b>GEO_819E</b>	<i>Environmental and Applied Geochemistry</i>	<i>E</i>	8	5		
<b>GEO_824E</b>	<i>NanoGeosciences</i>	<i>E</i>	8	5		
<b>GEO_814E</b>	<i>Methods on Research and Analysis of Minerals and Rocks</i>	<i>E</i>	8	5		
<b>GEO_704E</b>	<i>Volcanology</i>	<i>E</i>	8	5		
<b>GEO_825E</b>	<i>Introduction to Exploration and Mining Geology</i>	<i>E</i>	8	5		
<b>GEO_822E</b>	<i>GIS and Remote sensing in Applied Geology. Data Analysis and modeling</i>	<i>E</i>	8	5		
<b>GEO_714E</b>	<i>Landslide phenomena in terrestrial and marine environments</i>	<i>E</i>	8	5		
<b>GEO_818E</b>	<i>Management and protection of water resources</i>	<i>E</i>	8	5		
<b>AVERAGE GRADE</b>						
<b>TOTAL ECTS CREDITS</b>					240	
<p>1. The required ECTS credits to graduate from the Department of Geology: 240 ECTS credits</p> <p>2. The Undergraduate Experimental Project (Bachelor Dissertation) is carried out in the two last semesters of studies, ie. in the 7<sup>th</sup> and the 8<sup>th</sup> semester of studies, and corresponds to 30 ECTS credits and is graded after its completion.</p> <p>3. The Traineeship is optional, corresponds to 5 ECTS credits, is not rated but only gets the characterization PASS.</p> <p>4. Optional courses are not calculated in the average grade</p> <p>5. The fieldtrips carried out comprise 27 days and provide a confirmation</p> <p>6. Certificate of Computer competence</p>						

**4.4 Grading scheme and, if available, grade distribution guidance:**

<b>8.50 -10.00</b>	<i>Excellent</i>
<b>6.50 -8.49</b>	<i>Very Good</i>
<b>5.00-6.49</b>	<i>Good</i>

**Minimum passing grade: 5.00 ECTS Grading**

10%	A
25%	B
30%	C
25%	D
10%	E

**4.5 Overall classification (in original language)**

A	8,5 – 10	<i>Excellent</i>
B	7- < 8,5	<i>Very Good</i>
C	6,5- < 7	<i>Good</i>
D	6- < 6,5	<i>Satisfactory</i>
E	5 – 6	<i>Sufficient</i>

*ECTS grading (A=10%, B=25%, C=30%, D=25%, E=10%), according to the Φ.5/89656/B3/2007 Ministerial Decree, is based on a sample of a minimum of 100 students. Where the sample is insufficient, the characterization “Pass” is noted*

eg «Excellent» 8,6  
ECTS grade: A

## 5. INFORMATION ON THE FUNCTION OF THE QUALIFICATION

### 5.1 Access to further study

### 5.2 Professional status

Access to postgraduate studies (2nd and 3rd cycle for MSc and PhD Diploma, respectively)

- The graduate of the Department of Geology can be professionally occupied with every aspect regarding the theory and the applications of the Science of Geology including: Mineralogy, Petrography, Petrology, Geophysics, Engineering Geology, Hydrogeology, Geochemistry, Seismology, Petroleum Geology, Volcanology, Palaeontology, Ore Deposits, Geomorphology, Sedimentology, Oceanography.
- **THE DEGREE OF Geology**, provides the graduates with the possibility of recruitment in a) Public or Private Secondary Education as an instructor and b) institutions or enterprises of public and private sector with activities related to Geological Sciences.
- Professional rights from GEOTEE (Geotechnical Chamber of Greece).

## 6. ADDITIONAL INFORMATION

### 6.1 Additional information

### 6.2 Further information sources

1. The Bachelor Dissertation was undertaken in the Sector ....., in the Laboratory ..... with the title ..... and Supervisor .....
2. For each graduate, information on discrimination, scholarships, ERASMUS mobility, participation in Traineeship, suspension of studies, disciplinary sanctions

- The page of the Department on Facebook: <https://www.facebook.com/geodept>
- The page of the Department on Twitter: <https://twitter.com/geodept>
- University of Patras: <http://www.upatras.gr>
- Department of Geology: <http://www.geology.upatras.gr>
- Ministry of Education : <http://www.minedu.gov.gr>
- European Union : <http://www.ec.europa.eu>

## 7. CERTIFICATION OF THE SUPPLEMENT

### 7.1 Date

### 7.2 Signature

### 7.3 Capacity

### 7.4 Official stamp or seal

Rector of the University of Patras

## 8. INFORMATION ON THE NATIONAL HIGHER EDUCATION SYSTEM

<http://www.eurydice.org>  
[http://www.eurydice.org/Eurybase/frameset\\_eurybase.html](http://www.eurydice.org/Eurybase/frameset_eurybase.html)