



UNIVERSITÀ DEGLI STUDI DI PALERMO

Department: null

A.Y. 2011/2012

DEGREE COURSE IN GEOLOGY - GEOLOGICAL SCIENCES -

Characteristics



Class of Bachelor's Degree
(BSc) on Earth sciences
(L-34)



3 YEARS



PLANNED ACCESS



2126

Educational objectives

The 1st cycle degree course in geology aims at providing students with basic groundings in Earth Sciences, constituting a valid support to field and laboratory operations and to the reading and interpretation of technical-scientific papers. Such a training, open to further refinements in higher level courses (2nd cycle Degrees, University Master Courses, PhDs) enables graduates to fit in work and professional activities.

The specific objectives are related to the creation of competences in the field of Earth Sciences and namely the acquisition of basic geological knowledge, of the tools and methods for geological, geomorphological, geochemical, mineralogical-petrographic, geophysical and applied geological research, through laboratory and field activities.

The educational activities include:

- Lectures, theoretical and practical exercises, laboratory practice, field practice. Each activity will be awarded with an adequate amount of credits;
- Seminars, group works, technical visits and internship in external public or private facilities: agencies, laboratories, companies, professional offices, yards;
- Stays in other Italian and foreign university, under international agreements too.

Professional opportunities

Graduates in geology may carry out their professional activities in various ambits, such as: geological and thematic cartography; mitigation of geological and environmental risks; geognostic surveys and subsoil exploration, also with geophysical methods; identification and evaluation of georesources, including water resources: evaluation and prevention of the degradation of cultural and environmental assets; analysis and certification of geologic materials; environmental impact evaluation; geodetic, topographic, oceanographic and atmospheric surveys. These professionals may find professional opportunities in Public agencies, institutions, companies and professional offices.

Final examination features

The final examination consists of the presentation and discussion of a written paper prepared under the guidance of a supervisor. The paper, which might be an experimental one, must be related to issues related to class specific subjects and their application. The final examination might be related to field and/or internship activities. The quality of the paper will be evaluated for the expression of the final mark.

Subjects 1 ^o year	CFU	Sem.	Val.	SSD	TAF
01907 - GENERAL AND INORGANIC CHEMISTRY WITH ELEMENTS OF ORGANIC CHEMISTRY	9	1	V		
- GENERAL AND INORGANIC CHEMISTRY <i>Casella(RU)</i>	6	1		CHIM/03	A
- ORGANIC CHEMISTRY <i>Passannanti(PA)</i>	3	1		CHIM/06	C
04872 - MATHEMATICS <i>Vaccaro(PA)</i>	8	1	V	MAT/03	A
11719 - PHYSICAL GEOGRAPHY <i>Rotigliano(PO)</i>	6	1	V	GEO/04	B

Legenda: Per. = periodo o semestre, Val. = Valutazione (V=voto, G=giudizio), TAF= Tipologia Attività Formativa (A=base, B=caratterizzante, C=Affine, S=stages, D=a scelta, F=altre)

Subjects 1 ° year	CFU	Sem.	Val.	SSD	TAF
03927 - COMPUTER SCIENCE <i>Pennacchio(PC)</i>	6	2	V	INF/01	A
09635 - MINERALOGY WITH LABORATORY <i>Merli(PA)</i>	9	2	V	GEO/06	A
08557 - PHYSICS <i>Vetri(PO)</i>	9	2	V	FIS/07	A
04677 - ENGLISH LANGUAGE	3	2	G		E
Free subjects (suggested)	6				D

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Subjects 2 ° year	CFU	Sem.	Val.	SSD	TAF
03334 - EARTH PHYSICS <i>Luzio(PQ)</i>	6	1	V	GEO/11	B
09529 - GEOLOGY I WITH LABORATORY	12	1	V		
- GEOLOGY (*)- LABORATORY <i>Di Stefano(PO)</i>	6	1		GEO/02	B
- STRATIGRAPHY AND TECTONICS <i>Di Stefano(PO)</i>	6	1		GEO/02	A
05509 - PALAEONTOLOGY WITH LABORATORY <i>Di Stefano(PO)</i>	9	1	V	GEO/01	B
03589 - GEOCHEMISTRY WITH LABORATORY <i>Valenza(PO)</i>	6	2	V	GEO/08	B
16170 - GEOLOGICAL SURVEY <i>Pepe(PA)</i>	6	2	V	GEO/02	B
03694 - GEOMORPHOLOGY WITH LABORATORY <i>Di Maggio(PA)</i>	9	2	V	GEO/04	B
05674 - PETROGRAPHY WITH LABORATORY <i>Rotolo(PO)</i>	9	2	V	GEO/07	B
Free subjects (suggested) II	6				D

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Subjects 3 ° year	CFU	Sem.	Val.	SSD	TAF
03599 - APPLIED GEOPHYSICS WITH LABORATORY <i>Martorana(PA)</i>	6	1	V	GEO/11	B
09527 - GEOLOGY II WITH LABORATORY <i>Sulli(PO)</i>	9	1	V	GEO/02	B
16171 - GEORESOURCES <i>Scopelliti(PA)</i>	6	1	V	GEO/09	C
13351 - ADVANCED SKILLS RELATED TO THE LABOUR MARKET	8	1	G		F
13121 - PRACTICE	8	1	G		F
03656 - APPLIED GEOLOGY WITH LABORATORY	9	2	V		
- APPLIED GEOLOGY <i>Monteleone(CU)</i>	6	1		GEO/05	B
- THEMATIC CARTOGRAPHY <i>Sciortino(CU)</i>	3	1		ICAR/06	C
03699 - GEOTECHNICS <i>Zimbaro(CU)</i>	6	2	V	ICAR/07	C
16168 - VOLCANOLOGY <i>Aiuppa(PO)</i>	6	2	V	GEO/08	B
05917 - FINAL EXAMINATION	3	2	G		E

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OPTIONAL SUBJECTS

Free subjects (suggested)	CFU	Sem.	Val.	SSD	TAF
16167 - CONSERVATION OF NATURE <i>Chemello(PO)</i>	6	1	V	BIO/07	D
06843 - HISTORY OF CHEMISTRY <i>Zingales(PA)</i>	6	1	V	CHIM/01	D
05511 - VERTEBRATE PALAEONTOLOGY <i>Masini(CU)</i>	6	2	V	GEO/01	D
Free subjects (suggested) II	CFU	Sem.	Val.	SSD	TAF
16167 - CONSERVATION OF NATURE <i>Chemello(PO)</i>	6	1	V	BIO/07	D
06843 - HISTORY OF CHEMISTRY <i>Zingales(PA)</i>	6	1	V	CHIM/01	D
05511 - VERTEBRATE PALAEONTOLOGY <i>Masini(CU)</i>	6	2	V	GEO/01	D
16040 - APPLIED MINERALOGY - LABORATORY <i>Azzaro(PO)</i>	6	2	V	GEO/09	D

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