



UNIVERSITÀ DEGLI STUDI DI PALERMO

Department: null

A.Y. 2009/2010

DEGREE COURSE IN GEOLOGY - GEOLOGICAL SCIENCES -

Characteristics



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



3 YEARS



FREE 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 ° year	CFU	Sem.	Val.	SSD	TAF
01788 - CHEMISTRY <i>Ruisi(PO)</i>	9	Ann.	V	CHIM/03	A
11087 - MATHEMATICS WITH PRACTICE AND ELEMENTS OF STATISTICS <i>Vaccaro(PA)</i>	9	Ann.	V	MAT/05	A
09530 - PHYSICAL GEOGRAPHY AND CARTOGRAPHY LABORATORY	7	Ann.	V		
- CARTOGRAPHY - STUDIO <i>Rotigliano(PO)</i>	3	Ann.		ICAR/06	C
- PHYSICAL GEOGRAPHY <i>Rotigliano(PO)</i>	4	Ann.		GEO/04	A

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
09635 - MINERALOGY WITH LABORATORY <i>Merli(PA)</i>	9	Ann.	V	GEO/06	A, B
03245 - PHYSICS	9	Ann.	V		
- PHYSICS 1 <i>Giammarinaro(PA)</i>	5	Ann.		FIS/01	A
- PHYSICS 2 <i>Andaloro(PA)</i>	4	Ann.		FIS/01	A
04677 - ENGLISH LANGUAGE	4	Ann.	G		E

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Subjects 2 ° year	CFU	Sem.	Val.	SSD	TAF
11098 - GEOCHEMISTRY AND VOLCANOLOGY	9	Ann.	V		
- GEOCHEMISTRY <i>Valenza(PO)</i>	6	Ann.		GEO/08	B
- VOLCANOLOGY <i>Aiuppa(PO)</i>	3	Ann.		GEO/08	B
03694 - GEOMORPHOLOGY WITH LABORATORY <i>Di Maggio(PA)</i>	9	Ann.	V	GEO/04	B
14081 - PALAEONTOLOGY WITH LABORATORY - INTEGRATED COURSE	9	Ann.	V		
- GENERAL PALAEONTOLOGY <i>Di Stefano(PO)</i>	5	Ann.		GEO/01	B
- MICROPALAEONTOLOGY <i>Di Stefano(PO)</i>	4	Ann.		GEO/01	B
11094 - PRINCIPLES OF COMPUTER SCIENCE AND TERRITORIAL INFORMATION SYSTEMS - INTEGRATED COURSE	6	Ann.	V		
- PRINCIPLES OF COMPUTER SCIENCE	3	Ann.		INF/01	A
- TERRITORIAL INFORMATION SYSTEMS	3	Ann.		ICAR/06	C
03334 - EARTH PHYSICS <i>Luzio(PQ)</i>	6	Ann.	V	GEO/10	B
09529 - GEOLOGY I WITH LABORATORY	9	Ann.	V		
- LITHOLOGY - LABORATORY	3	Ann.		GEO/02	A
- STRATIGRAPHY(*) <i>Di Stefano(PO)</i>	3	Ann.		GEO/02	A, B
- TECTONICS <i>Giunta(PO)</i>	3	Ann.		GEO/03	B
05674 - PETROGRAPHY WITH LABORATORY <i>Rotolo(PO)</i>	9	Ann.	V	GEO/07	B

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Subjects 3 ° year	CFU	Sem.	Val.	SSD	TAF
03599 - APPLIED GEOPHYSICS WITH LABORATORY <i>Cosentino(PQ)</i>	6	Ann.	V	GEO/11	B
09527 - GEOLOGY II WITH LABORATORY <i>Sulli(PO)</i>	9	Ann.	V	GEO/02	B
13985 - SUBSOIL GEOLOGIC EXPLORATION AND GEORESOURCES - INTEGRATED COURSE	6	Ann.	V		
- GEORESOURCES <i>Unti(RU)</i>	3	Ann.		GEO/09	C
- SUBSOIL GEOLOGIC EXPLORATION <i>Unti(RU)</i>	3	Ann.		GEO/05	B
13861 - APPLIED GEOGRAPHY AND HYDROGEOLOGY WITH PRACTICE <i>Sabatino(CU)</i>	9	Ann.	V	GEO/05	B

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Subjects 3 ° year	CFU	Sem.	Val.	SSD	TAF
13859 - GEOLOGICAL SURVEY WITH LABORATORY AND FIELD ACTIVITY - INTEGRATED COURSE	8	Ann.	V		
- <i>FIELD ACTIVITY</i> <i>Pepe(PA)</i>	3	Ann.		ICAR/06	C
- <i>GEOLOGICAL SURVEY</i> <i>Pepe(PA)</i>	5	Ann.		GEO/02	B
03702 - GEOTECHNICS WITH LABORATORY	6	Ann.	V	ICAR/07	C
05917 - FINAL EXAMINATION	3	Ann.	G		E
Stage and others	6				F
Stage and others II	11				F
Free subjects	12				D
	76				

OPTIONAL SUBJECTS

Stage and others	CFU	Sem.	Val.	SSD	TAF
13121 - PRACTICE	6	Ann.	G		F
Stage and others II	CFU	Sem.	Val.	SSD	TAF
13351 - ADVANCED SKILLS RELATED TO THE LABOUR MARKET	11	Ann.	G		F