

# How to draw up a study program

**Geosciences for environmental sustainability**

2020-2021



# Study Plan (Piano di Studi)

1 year (2020/2021)



First Year

2020-2021

1 <sup>st</sup> semester		
Type of activity	Name of the course	CFU
Fundamental	Mathematical Methods for Geosciences	6
Fundamental	Applied Geophysics	9
Fundamental, to be chosen between the two	Global Tectonics	6
	Sedimentology	
Fundamental, to be chosen between the three	Environmental Geology	6
	GIS - Geographical Information Systems	
	Applied Hydrogeology	
Supplementary, to be chosen between the two	Geologia dei Terremoti e Rischio sismico In Italian	6
	Geothermics	
Student option	1 optional course, chosen by the Student during the first or second semester	6
2 <sup>nd</sup> semester		
Type of activity	Name of the course	CFU
Fundamental	Ore deposits and sustainable mining	6
Fundamental	Structural Geology	6
Supplementary	Environmental Geochemistry	6
Supplementary educational activity	Geological field trips	3

**II year (2021-2022)**

<b>First semester</b>		
<b>Type of activity</b>	<b>Name of the course</b>	<b>CFU</b>
Fundamental	Medical geology	6
Supplementary	Volcanic risk	6
Fundamental	Earth system Science	6
Student's option	Two optional courses, chosen by the Student during the first or second semester	12
<b>2<sup>nd</sup> semester</b>		
Supplementary educational activity	Geological field trips (2)	3
Final Assessment	Final exam (experimental thesis)	27

Second year

2021-2022

# Field trips

## **Description of geological field trips**

- a) Mt. Amiata: geothermics and environmental problems relate to mercury anomalies.
- b) Northern Tuscany and Eastern Liguria: environmental problems related to iron and manganese mines divestment. Ophiolites altered to serpentinites (chrysotile, asbestos).
- c) Volcanic activity in central and southern Italy. Impact of volcanic activity on the environment, gas emissions and health risks, volcanic risk.

# Optional Courses

Students can choose as optional (3 courses for the Geosciences for environmental sustainability curriculum) among all the courses offered by University of Perugia.

As optional courses, the student can choose also a «Fundamental course» or «Supplementary course» reported in the tables for 1<sup>st</sup> and 2<sup>nd</sup> years.

Moreover the student can choose courses from the following table:

Nome	Semestre	CFU
Rilevamento geologico-tecnico e monitoraggio	1	6
Chimica Ambientale	1	6
Geomatematica	1	6
Paleontologia dei Vertebrati	2	6
Micropaleontology <b>In Inglese</b>	1	6
Sedimentary Petrography <b>In Inglese</b>	1	6
Diritto Amministrativo	2	6
Geothermics <b>In Inglese</b>	1	6
Vulcanologia	2	6
Geomateriali ed Economia circolare	2	6
Gemmology <b>In inglese</b>	2	6
Climate Change <b>In Inglese</b>	1	6

In addition the student can also choose Courses from other Departments, that has to be accepted by Teaching Committee

# STUDY PLAN - PIANO DI STUDI



## How to draw up a **Study Plan**

- The **Study Plan** consists of a list of the teaching activities (courses, lab activity, seminars, field trips...) to attend and give exams to reach the Degree.
- Students can choose some of these activities as **personal option** and must be indicated in the “piano di studio” (Study Plan).
- The Study Plan can be organized in the personal account (SOL, <https://unipg.esse3.cineca.it/Home.do>) where you can find all the information.

It is recommended to complete the study plan immediately after enrollment procedure, at the beginning of the **first semester**