



Individual training plan of the training of the Doctoral Course in Geosciences

INDIVIDUAL TRAINING PLAN

Requirements for the Individual Training Plan	<p>Duration of the PhD course: the PhD course in Geosciences has a duration of three years and the degree can be obtained after having acquired at least 30 credits (180 hours) for training through courses and attendance at a minimum of twelve (12) seminars during the three years. The PhD student must also carry out independent and original research, culminating in the writing of the thesis. The publication of the results in ISI journals is strongly encouraged.</p> <p>There are compulsory courses that a PhD student must take, and the student can then independently create, in agreement with his/her supervisor, his/her own Individual Training Plan.</p>
Objectives of the Individual Training Plan	<p>The learning objectives of the Ph.D. program will allow students to:</p> <ul style="list-style-type: none">• Demonstrate comprehensive knowledge in one or more general subject areas related to, but not confined to, a specific area of interest.• Demonstrate understanding of research methodology and techniques specific to one's field of study.• Design and conduct original research in their area of specialization.• Demonstrate the ability to communicate the results of their research in a clear and effective manner.• Demonstrate an ability to work effectively with other people from various ethnic, educational, and work experience backgrounds.
Training Plan	
1) Definition of course	<p>A course is defined as a class (taught in Italian or in English) with a number of teaching hours typically equal to or greater than 6 (six), divided into two or more separate days. Courses held at other universities may be given in other languages and have a different duration. The acquisition of the training credits by the student is obtained by presenting a certificate of attendance signed by the lecturer. For the courses organized by the Doctoral course, the PhD Student will be required to fill in an evaluation form at the end of the course. PhD students have to attend at least 75 % of the course. Courses offered by the Doctoral Course in Geosciences are taught in English.</p>
2) Definition of seminar	<p>seminar is defined as a presentation with a limited duration (typically one hour or even less), after which no formal exam is given. The seminar is given by qualified personnel on topics of high specialization and advanced research (of a technical-scientific subject or regarding soft skills).</p>
Training Plan activities	<p>The types of activities that each student can carry out to fulfill the requirements of their individual training plan are listed below.</p>
a) Compulsory course	<p>PhD students must take compulsory courses to complete their educational obligations. These are:</p> <ul style="list-style-type: none">-Chemometrics: Multivariate Analysis-Chemometrics: Experimental Design <p>See details at https://www.geoscienze.unipd.it/corsi/phd-course/coursework</p>
b) Sectorial/specific course	<p>PhD students can follow specific / sectorial courses to complete their training obligations. The list of possible courses organized by the Doctoral course is available at https://www.geoscienze.unipd.it/corsi/phd-course/coursework but the PhD students can also attend courses held by other PhD courses of the University of Padova, PhD courses of other universities (Italian or foreign), master degree course, courses organized by qualified industry associations, etc.</p>

c) <i>Soft skills</i> courses	PhD students must take soft skills courses to complete their training obligations. These are: -The PhD student in the research world (18 hours - 3CFU) -Scientific English for Ph.D. Geosciences Students 20 hours (3.3 CFU) -ABC Bibliographic Research in Geosciences (10 hours – 1.7 CFU) See details at https://www.geoscienze.unipd.it/corsi/phd-course/coursework
d) Seminars	PhD students must attend a minimum of 12 seminars (over the three years) to complete their educational obligations. The seminars include those organized by the Department of Geosciences for which we have an on-line system to certificate your attendance: More info available at https://www.geoscienze.unipd.it/corsi/phd-course/coursework However, seminars organized by other Departments (Italian and foreign) can be included if you have a certificate of attendance. Upon completion of this training activity, 2 credits (12 hours) will be awarded.
e) Group activities	These activities are not valid for the completion of the training obligations.
f) Schools	PhD students can participate in Schools to complete their educational obligations. The certified attendance to courses offered within national or international Schools can be assigned a number of CFU equal to 1 (one) every 6 (six) hours of frontal teaching. A student can obtain a maximum of 12 (twelve) CFU by participating in one or more national or international Schools.
g) Other training activities	PhD students can participate to other types of educational activities to complete their educational obligations. It is possible to partially meet the training obligations by attending any classes in the framework of courses/events organized by highly qualified professional associations.
h) Participation to conferences	The attendance of PhD students to conferences/workshop is warmly suggested but these activities are not valid to complete their educational obligations.
i) Other	-