UNIVERSITÁ DEGLI STUDI DI NAPOLI "FEDERICO II"
Scuola Politecnica e delle Scienze di Base
Dipartimento di Scienze Chimiche
Dottorato in Scienze Chimiche

neapōlis

Training activities (art. 4, comma 1, lett. f)

Linguistic training

Language training is carried out in collaboration with the University Language Centre (CLA), which organizes many activities aimed at promoting the learning, practice and study of foreign languages (English, German, French, Spanish and Catalan) and Italian language (for foreign students). These activities consist of the organization of frontal courses, language exercises, foreign language conversation groups.

CLA also supports the achievement of internationally recognized certificates of knowledge of foreign languages.

In agreement with the other PhD Schools of the Polytechnic and Basic Sciences School, courses are organized aimed at acquiring the basic language skills for writing scientific articles in English and for active participation in international academic contexts (conferences, seminars, etc.).

Computer Science Training

Computer training activity is organized with the PhD Schools of the Polytechnic and Basic Sciences School. Among the courses provided, there are training modules and specific seminars to provide appropriate preparation in the IT field. Among the courses that are offered there are: "Data Analysis" and "Big data modeling", "Numerical Methods for scientific calculation using Matlab", "Bioinformatics". Attending to seminars in the fields of "Statistics applied to chemical and biological models" and "machine learning for chemical system" is encouraged.

Management of research, knowledge of research and funding systems

The training objectives of the Ph.D. course also include achieving skills in the organization and management of research, presentation of results and knowledge of national and international funding sources and access.

This training activity is shared with the other PhD courses of the Polytechnic and Basic Sciences School. Experts belonging to the University or to other Institutions, representatives of companies, business associations and technology districts, will illustrate research funding systems, with a special attention to Europe funding. Particular attention is paid to prestigious forms of funding, such as Marie Curie and Starting Grant ERC, which are useful to accompany the PhD student towards an independent career. In this regard, the experience of winners of these projects is used.

Exploitation of research and intellectual property results

An important goal of the course is to teach the importance of enhancing research results and protecting intellectual property. Seminars are organized by experts in the enhancement of research, technological transfer and scouting of technological ideas. Seminars on the significance of intellectual property protection, illustrating the requirements necessary for the patentability of an invention (novelty, originality, industrial applicability), and the legal instruments that allow the use of intellectual property on the market are in program. This training activity is shared with the other PhD courses of the Polytechnic and Basic Sciences School.

Meetings are organized with experts (such as incubators, such as Campania NewSteel) to encourage partnerships with the industries and to support the creation of Spin-Off.