Dottorato in Biotecnologie
Università degli Studi di Perugia

Learning activities 2021

Students are currently required to achieve a total of **50** credit forming units (CFU).
All students will present a yearly learning plan to the tutor and to the PhD faculty for approval.
Students can attend different types of courses and of experiences as listed below:

1. **Courses of the doctorate in Biotechnology (see Table 1)**
2. **Traineeship abroad:** Students are requested to spend at least three months in foreigner institutions during the three years.
3. **Courses within the University of Perugia.** Only courses at Master Degree level (Laurea Magistrale) are allowed and exclusively for topics lacking from the topics attended by the student prior to his/her enrolment in the PhD program.
4. **Linguistic, Information Technology and Soft Skills courses from the University of Perugia and other institutions**
5. **Courses from other PhD programs**
6. **Other external instruction programs out of the University of Perugia**
7. **Seminars, meetings and congresses**

Attribution of CFU for different learning activities

✓ Courses of the doctorate: **1 CFU** / day
✓ Meetings, Congresses and Workshops on topics related to the PhD program: **0.5 CFU**/day
✓ Seminars on topics related to the PhD program: **0.2** CFU
✓ Supporting teaching activity carried out by the student :**1 CFU** / 6 hrs
✓ Tutorship carried out by the student **1 CFU** / 25 hrs.
✓ Traineeship and stages abroad: **5 CFU** /month

Table 1. **Courses of the Doctorate in Biotechnology**

First year courses

Course name	Date/hr	Instructor(s)	CFU
Winter School on Biotechnology	-	AA. VV.	5
Safety in laboratories and biotechnology	6,7, 8, 9 Sep (15-18)	Assunta Marrocchi	2
Introduction to Data analysis and data formats	18;19;20 MAY (15-19)	Gianluigi Cardinali	2
Femtobiology	24;25;26 MAY (15-19)	Benedetta Carlotti	1
Gene Editing	13;15;16; 20; 21; 22 SEP (15-19)	Stefano Bruscoli & Francesco Paolocci	3
Functional Foods	5;6 July (15-18)	Florentina Matei	1

Second year courses

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Course name	Date/hr	Instructor(s)	CFU
Winter School on Biotechnology	-	AA. VV.	5
Advanced databasing and programming in biotechnology	September 2021	Vincent Robert	3
Bio-Governance and Bioethics	7;8;10; 11 June (15-18)	Assunta Morresi	2
Transcriptomics Data Mining	14;15; 16; 17 June (15-18)	Giuseppe Nocentini	2

Third year courses

Course name	Date/hr	Instructor(s)	CFU
Winter School on Biotechnology	-	AA. VV.	5
Cancer Immunotherapy	28; 29; 30 June (15-17)	Stefano Bruscoli & Efisio Puxeddu	1
Soil and Microbial Diversity management	22; 23; 24 June (15-19)	Anna Benedetti	2

NOTE
Materials are available in the Unistudium page of the doctorate
Reservation is mandatory to get the credits

Teaching in remote mode will be held in the Teams Room of the doctorate