



## Dottorato in Biotecnologie Università degli Studi di Perugia

### Learning activities for the XXXVI cycle (2020 -2023) – Information Sheet

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**

<b>First year courses</b>		
<b>Course name</b>	<b>Instructor(s)</b>	<b>CFU</b>
Winter School on Biotechnology	AA. VV.	5
Safety in laboratories and biotechnology	Assunta Marrocchi	2
Introduction to Data analysis and data formats	Gianluigi Cardinali	2
Femtobiology	Benedetta Carlotti	1
Gene Editing	Stefano Bruscoli & Francesco Paolucci	3
Functional Foods	Florentina Matei	1
<b>Second year courses</b>		
<b>Course name</b>	<b>Instructor(s)</b>	<b>CFU</b>
Winter School on Biotechnology	AA. VV.	5
Advanced databasing and programming in biotechnology	Vincent Robert	3
Bio-Governance and Bioethics	Assunta Morresi	2
Transcriptomics Data Mining	Giuseppe Nocentini	2



**Dottorato in Biotecnologie**  
**Università degli Studi di Perugia**

**Third year courses**

<b>Course name</b>	<b>Instructor(s)</b>	<b>CFU</b>
Winter School on Biotechnology	AA. VV.	5
Cancer Immunotherapy	Stefano Bruscoli , Efisio Puxeddu	1
Soil and Microbial Diversity management	Anna Benedetti	2

**NOTE**

**Materials are available in the Unistudium page of the doctorate**

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