


### Allegato 3 - Documento di pianificazione e di organizzazione delle attività formative e di ricerca (DPO)

	<b>Documento di pianificazione e di organizzazione delle attività formative e di ricerca (DPO)</b>	MODOT AQ 3 Rev.... Data....
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*Il Documento di pianificazione e di organizzazione delle attività formative e di ricerca viene richiesto al Corso di Dottorato prima dell'inizio di un nuovo ciclo del corso di dottorato. Ai contenuti del DPO viene data adeguata visibilità nel sito web del corso ai fini dell'attrattività e della trasparenza. Il DPO viene eventualmente aggiornato annualmente in caso di modifiche e si può redigere anche solo in lingua inglese.*

**Ph.D. Course:** Ethics of Communication, Scientific Research and Technological Innovation- XXXIX cycle

**Department:** Philosophy, social and sciences and education

**Site:** University of Perugia

**Notes:** Industrial and interdepartmental Ph.D. Course

#### Educational activities calendar (D.PHD.2.1)

*Indicare:*

- *l'elenco dei corsi organizzati, specificando la durata in ore, i cfu, il SSD, l'anno e il docente (componenti del Collegio dei docenti, studiosi ed esperti italiani e stranieri di elevato profilo provenienti dal mondo accademico, dagli Enti di ricerca, dalle aziende, dalle istituzioni culturali e sociali);*

The training activities provided as part of the Ph.D. Course in Ethics of Communication, Scientific Research and Technological Innovation - XXXIX cycle comprises 13 courses, whose teachers are members of the Teaching Board of the Ph.D. Course and high-profile Italian experts from the academic world, research institutions, and cultural and social institutions (18 CFU TOT; SSD: M-FIL/01; SPS/08; L-LIN/02; IUS/01; SPS/07; AGR/02; CHIM/08; BIO/14; SECS-S/06; MAT/06; MED/09; MED/44). The detailed list, with the names of the teachers, the credits relating to each course, and the year of the course, is shown at the following link

<https://docs.google.com/spreadsheets/d/1xmFR4v--cvDV82c1qhNazRHAIEPw5CS6/edit#gid=2139612049>

- *la presenza di una serie di seminari specifici del corso (numero annuo, cadenza temporale, cfu riconosciuti);*

Within the Ph.D. Course- XXXIX cycle, there are 18 inter-, multi- and trans-disciplinary training activities, 7 of which were about valorization and dissemination of results, of intellectual property, and of open access to data and research products; 1 about fundamental principles of ethics, gender equality, and integrity; 10 innovative teaching seminars specific to the contents of the Ph.D. course. The lecturers are also high-profile Italian and foreign scholars and experts from other Universities. The detailed list, with the Teachers' names, the CFU, and the academic year of each activity, is reported below:

<https://docs.google.com/spreadsheets/d/1xmFR4v--cvDV82c1qhNazRHAIEPw5CS6/edit#gid=2139612049>

- *la presenza di altri eventi scientifici (numero annuo e cfu riconosciuti)*

Every year the Ph.D. students organize an Open day under the supervision of the Coordinator and any professors from the Teaching Board, aimed at presenting the Ph.D. Course to the community and to the students of the Master's Degree Courses (1 CFU/6 hours). Furthermore, participation in national and international seminars, conferences, and/or workshops organized by universities, research institutes, scientific societies, and professional, national, and/or international organizations is highly recommended (1 CFU/6 hours).

### **Ph.D. students' integration in the scientific community (D.PHD.2.2)**

*Indicare:*

- *la presenza di momenti formativi di scambio/presentazione dei risultati della ricerca (numero e cadenza temporale)*

During the program, 1 annual activity of exchange/presentation of the research results is envisaged under the supervision of the Coordinator and any professors of the Teaching Board, in which Ph.D. students present and discuss the results of their research (1.5 CFU for each academic year, total 4.5 CFU).

- *la partecipazione a congressi e/o workshop nazionali e internazionali, anche in qualità di relatori (numero annuo per dottorando)*

The participation in at least two national or international congresses over the three years is expected, of which at least one international meeting, with contributions such as posters and oral presentations (1CFU/6 hrs).

- *la partecipazione a scuole di formazione nazionali e internazionali (numero annuo per dottorando).*

It's recommended that the students attend at least a national or international training school (Winter/Summer school) over the three years (1 CFU/6 hrs).

### **Autonomy of the Ph.D. student (D.PHD.2.3)**

*Indicare:*

- *le attività organizzate per sviluppare l'autonomia del dottorando nel concepire, progettare, realizzare e divulgare programmi di ricerca e/o di innovazione;*

As part of the Ph.D. program, the autonomy of the Ph.D. students is encouraged with specific educational training activities. More in detail, the following activities are preferably planned during the first and second year of the course:

- How to make a presentation at conferences: Poster presentation (1.5 CFU)
- How to make a presentation at conferences: Oral presentation (1 CFU)
- Pubblicare un articolo scientifico e una rassegna critica della letteratura (2 CFU)
- Pubblicare una monografia e un articolo scientifico in aree non bibliometriche (1 CFU)
- Pubblicare ad accesso aperto i risultati della ricerca (1.5 CFU)
- Contenuti e tecniche del trasferimento dei risultati della ricerca universitaria alle attività produttive (0.5 CFU)
- Norme e metodi per la gestione della proprietà intellettuale negli atenei (0.5 CFU).

The University of Perugia usually organizes courses in research management, knowledge of research systems and funding systems (1 CFU/6 ORE).

- *la presenza di componenti del Collegio dei docenti, tutor esterni di caratura nazionale/internazionale e/o professionale che svolgono funzioni di supporto e guida;*

Each Ph.D. student is supported by a supervisor within the Teaching Board and by at least one co-supervisor of national/international standing. The international co-supervisors of the XXXIX cycle Ph.D. students are: Prof. Urs Fischer, University of Basel, Switzerland; Prof. Maria Ermolaeva, Leibniz Institute of Aging, Fritz Lipman Institute, Jena, Germany.

- *la presenza di un co-supervisore all'interno dell'impresa per i dottorati industriali;*

For the XXXIX cycle, the presence of a total of three co-supervisors within the company (Experimental Zooprophyllactic Institute of Umbria and Marche "Togo Rosati" - IZSUM) is expected for the two Ph.D. students who benefit from the scholarship financed by the company. The industrial co-tutors (IZSUM) are Dr. Andrea Valiani, Dr. Chiara Francesca Magistrali, and Carmen Maresca. Furthermore, within the Teaching Board, there is an employee of IZSUM (Dr. Roberta Galarini).

- *le modalità di individuazione del tutor e il numero massimo di dottorandi assegnati.*

The Teaching Board identifies the supervisor on the basis of the Curriculum chosen by the Ph.D. student and the contents of the project proposed by the student him/herself. Each supervisor can monitor a maximum of two Ph.D. students per cycle.

#### **Financial and structural resources (D.PHD.2.4)**

*Indicare:*

- *le risorse fornite dall'Ateneo;*

The University Regulations about Ph.D. programs state that “in addition to the scholarship, the Ph.D. student is guaranteed a budget, appropriate to the specific Ph.D. Course and, in any case, not less than ten percent of the amount of the scholarship itself, financed with the resources available in the budget of the University or of any funding Institution”. Furthermore, again based on the provisions of the University Regulations, the amount of the scholarship is increased by 50%, for a total period of no more than twelve months, for carrying out research activities abroad.

- *le risorse fornite dal Dipartimento e/o dai supervisori;*

Each Ph.D. student can take advantage of funds obtained by the supervisor or assigned by the Departments for carrying out specific research projects in which the student is involved, compatibly with the training and research activities envisaged by the Doctoral Program.

- *le strutture operative e scientifiche a disposizione dei dottorandi.*

Ph.D. students can access the University's facilities (e.g. centers, libraries, laboratories) and the 9 Departments belonging to the College's teachers (Economics; Philosophy, Social, Human and Educational Sciences; Engineering; Letters, Languages, Literature and Ancient and Modern Civilizations; Mathematics and Computer Science; Medicine and Surgery; Veterinary Medicine; Pharmaceutical Sciences; Political Sciences), as well as IZSUM, a public health company by virtue of which the Doctorate is industrial.

#### **Teaching and tutoring activities (D.PHD.2.5)**

*Indicare:*

- *le attività di didattica e/o tutoraggio coerenti con il progetto di ricerca consentite ad ogni dottorando (numero massimo di ore annue).*

As stated in the University Regulations, “Ph.D. students can carry out tutoring activities (free or paid), as an integral part of the training project, subject to authorization from the teaching staff and without an increase in the amount of the scholarship, as well as, within the limit of 40 hours for each academic year, supplementary teaching activities”.

### **Scientific reports and Ph.D. students' mobility (D.PHD.2.6)**

*Indicare:*

- *la presenza di cotutele e/o il rilascio di titoli multipli;*

The Teaching Board is working to finalize an agreement with the Institut Cathpòique de Toulouse for the issue of a co-tutorship degree.

- *la durata di periodi di mobilità obbligatoria dei dottorandi presso qualificate Istituzioni accademiche e/o industriali o presso Enti di ricerca pubblici o privati, italiani o esteri.*

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Following the University Regulations, "each Ph.D. student is expected to carry out research and training activities, consistent with the Ph.D. project, at highly qualified foreign Institutions, for a minimum period of six months, even non-continuous".

### **Research products (D.PHD.2.7)**

*Indicare:*

- *la tipologia e il numero dei prodotti della ricerca attesi per ogni dottorando (pubblicazioni su riviste, pubblicazione della tesi, deposito di brevetti, sviluppo di strumenti o software, etc...)*

Each Ph.D. student is required to produce at least one published research product over the three-year period, i.e., an article or essay published in a scientific journal, a book chapter, or a monograph published by a valuable publishing house. Furthermore, each student must carry out at least 5 hours in third mission activities, e.g., sharing of knowledge and research activities in the territory and participation in the "Researchers' Night." A Ph.D. student from the medical-health curriculum with a DM 118 PNRR grant, thanks also to the establishment of the University Hospital, will carry out clinical-assistance activities specific to the study project and coordinated by her supervisor. A doctoral student from the Scientific-Technological curriculum with a DM 118 PNRR grant will carry out a period of study and research at the laboratories of Plaisant, Castel Romano, and at the laboratories of Dr. Cornelius Gross (EMBL, <https://www.embl.org/sites/rome/>) and Dr. Silvia Mandillo (CNR, Monterotondo). The two doctoral students employed by IZSUM carry out their projects as part of the activities specific to their professional roles within the company.