**Teaching activities 2022/2023**

Teaching activities of PhD students are planned and coordinated with Supervisors consistently with the Educational Offer of the PhD Course. The Courses must be listed in the  [Individual PhD Training program](https://www.phdanimalfoodscience.org/uploads/9/8/8/4/98844270/individualtrainingprogrammodule2022_2023.pdf)which is submitted to the PhD Council for approval three months before the start of the PhD program.

Courses other than those listed below can be included at the choice of the student/supervisor among the [teaching activities](https://docs.google.com/spreadsheets/d/1i_2h-7Fd71BrGlvefIFzBkDnWfjofWAb/edit%22%20%5Cl%20%22gid%3D611810456%22%20%5Ct%20%22_blank) shared by the PhD Courses of the School of Agricultural Sciences and Veterinary Medicine of the University of Padova.

During the first year, the PhD students attend the teaching activities corresponding to the minimum ECTS requirements in “Disciplinary training activities”. During the second year, secondments abroad and presentation of preliminary results at national and international congresses are previewed. The third year is mainly addressed to the writing of scientific papers for indexes journals and writing the PhD thesis.

Click [here](https://docs.google.com/spreadsheets/d/1i_2h-7Fd71BrGlvefIFzBkDnWfjofWAb/edit%22%20%5Cl%20%22gid%3D611810456) to see the schedule of all PhD teaching activities at the Agripolis campus (the updated calendar for 2022-2023 activities will be available by September 2022).

***DISCIPLINARY TRAINING ACTIVITIES***

**International short course on Animal and Food Science** (5 ECTS)

**Theoretical and Practical Bioinformatics Approaches in Animal and Food Science** (4 ECTS)

Teachers: Piergiorgio Stevanato, Samathmika Ravi (DAFNAE)

**Food Microbiota & Human microbiome** (1 ETCS)

Teachers: Alessio Giacomini, Viviana Corich

**Food technology** (1 ETCS)

Teachers: Anna Lante

**Econometric models to inform environmental resources management and food policies**(1 ECTS)

Teachers: M. Thiene, C. Franceschinis (TESAF)

**Strategies and tools to reduce environmental impacts: the case of LCA methodology**(3.5 ETCS)
Teachers: M. Masiero & M. Zanetti

**Scientific Writing in English** (4 ECTS)

Teacher: Mark E. Olson

**Basic Statistics**(3 ECTS)

Teachers: Marco Borga, Giulia Zuecco

**Applied Statistics with Applications in R** (2 ECTS)

Teachers: Alessio Cecchinato, Sara Pegolo (DAFNAE)

**Advances Statistics with R: Experimental Design in Lab and Field** (1.5 ECTS)

Teachers: Roberto Mantovani, Nicola Dal Ferro (DAFNAE)

**Advances Statistics with R: Mixed Models** (2 ECTS)

Teachers: Cristina Sartori (DAFNAE)

**The role of the Principal Investigator**(1 ECTS)

Teacher: Giancarlo Renella

**How to prepare and present a scientific paper**(1.5 ECTS)

Teachers: S. Segato & D. Pettenella (MAPS, TESAF)

***CROSS-CURRICULAR TRAINING ACTIVITIES AND SOFT SKILLS***

**LINGUISTIC**

**English language**

Teacher: Centro Linguistico di Ateneo (CLA)

**Italian language for foreigners**

Teacher: Centro Linguistico di Ateneo (CLA)

**INFORMATICS AND STATISTICS**

**Spatial statistics** (2 ECTS)

Teachers: M. Borga, G. Zuecco (TESAF)

**Introduction to GIS**(1.5 ECTS)

Teachers: R. Rossi (TESAF)

**Geomatics and Earth Surface Modelling**(0.5 ECTS)

Teacher: F. Pirotti (TESAF)

**Introduction to programming in Python**(0.5 ECTS)

Teacher: M. Zaramella

**Introduction to R for statistical analysis**(0.5 ECTS)

Teacher: G. Zuecco TESAF)

**RESEARCH MANAGEMENT, KNOWLEDGE OF RESEARCH SYSTEMS AND FINANCING PROGRAMS**

**Introduction to Mendeley**(0.5 ECTS)

Teachers: A. Leonardi

**Data collection: from questionnaries to participatory approaches**(2 ECTS)

Teachers: Elena Pisano, Laura Secco, Riccardo Da Re, Catie Burlando, Rudi Cassini

**Research organization and communication -**Introduction to Mendeley (0.5 ECTS)

Teacher: A. Leonardi

**Spatial statistics in socio-economic research** (2 ECTS)

Teachers: F.Pagliacci (TESAF)

**Health and Safety at work** (NO ETCS)

**IPR AND IPR EXPLOITATION**

**Dissemination of science: contents and tools**(1.5 ECTS)

Teacher: Massimo Polidoro

**The evaluation of research output: the Italian assessment framework**(1.0 ECTS)

Teacher: (E. Defrancesco)

**BASIC PRINCIPLES OF ETHICS, GENDER EQUALITY AND INTEGRITY**

**Ethics in scientific research**(2 ECTS)

Teacher: Ana Borovecki

**Ethics in writing and reviewing**(0.5 ECTS)

Teacher: Marco Borga (TESAF)

**Research integrity: pills of ethics before spritz break** (4 events - 1.5 h)

Teachers: M. Giantin & A. Squartini

***SEMINARS***

The PhD Course frequently organizes seminaries with the collaboration of the Professors and the contribution of the PhD students of the Course. Seminars are held by experts, PhD students, visiting PhD, visiting professors and visiting researchers at the University of Padova (DAFNAE, BCA and MAPS). The offer of the seminars is always shared with the other PhD Courses in Agripolis and is regularly announced on the NEWS section of the Course web page, besides being reported in the calendar of the teaching activity shared in Agripolis.

Additionally, the following activities are offered:

**Welcome to research** in Animal and Food Science and Crop Science PhD Courses

Teacher: Nicola Bertin

**PhD educational week on transferable skills** (organized by UNIPD)

**Yearly WORKSHOP** of the Italian Network of the PhD Courses in Food Science, Technology and Biotechnology (September 2022)

**ADDITIONAL DISCIPLINARY COURSES OR CROSS-CURRICULAR TRAINING ACTIVITIES**

Additional Courses or cross-curricular activities and soft skills (already included in the Educational Offer of the PhD Courses of Agripolis or selected elsewhere by the PhD student with his/her supervisor) can be selected and already specified at the time of the submission of the individual training course to the Council by the PhD students. These Courses do not contribute to satisfying the minimum requirements.