

HIGRADE Regular Courses

HIGRADE Courses, which we offer on a regular basis. Courses in bold are mandatory!

Transferable skills

Recommended for first year doctoral researchers

- **Doing your PhD Project at the UFZ (three times a year)**
- **Good Scientific Practice (twice a year)**
- Time and Self Management (once a year)

Recommended for second year doctoral researchers

- Scientific Writing (several times a year, different formats and lecturers)
- Academic Presenting in English (once a year)
- Concept, Design and Presentation of Scientific Posters (once a year)
- Teaching Skills for Scientists (once a year)
- Supervision (Master and PhDs every other year)

Recommended for third year doctoral researchers

- Excursion to stakeholder (e.g. UBA) (once a year)
- Fundraising (once a year)
- Alternative Career Paths (once a year)
- Career Planning and Application in German Universities and Research Institutes (once a year)
- Finish it! How to Finalize your Dissertation (once a year)
- Thesis Defence Training (once a year)
- Business Administration for Scientists (once a year)

Statistics and related methods

Introductory courses:

- Introduction to Geostatistics (once a year)
- Introduction to Applied Statistics with R (twice a year)
- Handling Spatial Data with R (once a year)
- Fundamentals of Statistics Using Python (once a year)
- Introduction to Matlab for Data Analysis (once a year)
- Introduction to ArcGIS (once a year)
- Introduction to Ecological Modelling (every two years)
- Effective Graphics and Visualization (once a year)
- Design and Analysis of Ecological Experiments (once a year)

Intermediate courses

- Multiple Regression and Model Selection with R (once a year)
- Ordination and Clustering (once a year)
- Generalized Linear Mixed Models with R (once a year)
- Practical Introduction to Time Series Analysis (every two years)

Advanced courses

- Optimization Techniques (once a year)
- Analysis of Spatiotemporal Data (every two years)
- Environment Modelling and Bayesian Inference (every two years)
- Special Topics in Advanced Statistical Models (every two years)