

## Research skill – course overview

	Monday 21.10.	Tuesday 22.10.	Wednesday 23.10.	Thursday 24.10.	Friday 25.10.
9.15 till 12.45	<b>FH</b>  <b>Science and the scientific method</b>  <b>Course overview</b>  <b>Finding a question</b> Previous work Novelty	<b>FH</b>  <b>On the shoulder of giants: dealing with literature</b> Searching, Literat. DB, Jabref etc. <b>FH, PB</b>  Library visit 10:30	<b>FH</b> <b>Question rev.</b>  <b>Intro to statistics</b> Regression, NHST  <b>Design of Experiments</b> Planning Statistical power  100 blocked 14.00	<b>Field day</b>	<b>Scientific Ethics and Culture FH</b>  <b>Organizing your Research FH</b>  Good scientific practice, reproducibility, scripting, archiving,  Afternoon free
	Monday 28.10.	Tuesday 29.10.	Wednesday 30.10.	Thursday 31.10.	Friday 1.11.
9.15 till 12.45	<b>FH, PB</b>  <b>Introduction to R</b>  <b>Graphics</b>  What makes good graphics?  Afternoon exercise: graphics with R <b>PB</b>	<b>FH, PB</b>  <b>LaTeX</b>  Word processing with LaTeX  Afternoon exercise: Latex <b>PB</b>	<b>Communication Basics FH</b>  Ends and means, Elevator speech Social media  <b>Regression analysis with R FH</b>  Afternoon exercise: regression with R <b>PB</b>	<b>Writing 1 FH</b>  Article types  Publication Process  Structure of a research article	<b>Holiday</b>
	Monday 4.11.	Tuesday 5.11.	Wednesday 6.11.	Thursday 7.11.	Friday 8.11.
9.15 till 12.45	<b>Writing 2 FH</b>  Style  Paragraph structures  Choice of wording and common mistakes	<b>Poster FH</b>  What makes a good poster  <b>Presentation 1 FH</b>  Presentation types  Conference presentation	<b>Presentation 2 FH, CD, BG?</b>  Practice day	<b>Reviewing FH</b>  Peer review  <b>Choosing a career in science FH</b>  Should I do a PhD?	<b>Open</b>  Room 100 blocked

**FH** = Florian Hartig, **GB** = Gita Benadi, **CD** = Carsten Dormann, **PB** = Paul Bauche

Lectures start at 9 c.t. (this means: 9:15!), Room 100, afternoon exercises in CIP 2,3

Cip 3, Mittwoch 9.00-13.00, Dienstag nach 17.00 alle CIPs belegt

Usually, there will be homework but no teaching in the afternoon, unless afternoon exercises are scheduled. From the 30.10 to 7.11., homework will mostly consist of analyzing / writing down your project. During that time, Paul Bauche will be available to give help with statistics and LaTeX in the computer rooms. It is therefore recommended to work at the Uni, but it's not compulsory.

Stand: 24.10.13