

## Evolution and Ecology Research School Tübingen (EVEREST)

Recommended **Courses** and offers for **individual Consultation** (version 2022.11.25)

White areas:	<b>Routine courses</b> offered within our faculty, Tübingen university, or external. <b>Check with course advisors</b> options to attend, possibly also for parts of a course only.
Red shading:	Specific EVEREST <b>Workshops</b> (1-2 days). We are happy to receive suggestions by PhD students for topics that would make useful EVEREST workshops!
Blue shading:	EVEREST <b>Consultants</b> : these scientists are available to aid with your individual questions or act as collaboration partners

Topic	Host	Advisor(s)	Title / Content	Time	ECTS	Comment	Alma #
<b>Statistical analyses, modelling &amp; experimental design</b>							
Experimental design	external	International faculty	<a href="#">Guarda workshop</a>	June	ca. 2	Application every year in January - highly recommended!	
Statistics in Geosciences	MNF	Drews	Applied Data Analysis and Models for Geoscientists	SS + WS	4 SWS		Geow-M317-V
Introductory statistics (software R)	MNF	Anthes, Michiels	<a href="#">Biostatistics I</a>	WS	6	linear models (ANOVA, regression, m	Bio-3010-en
Coding in R	MNF	Tomioło	<a href="#">Fundamentals of coding in R</a>	WS	3	Project management, data managem	Bio-4134
Advanced statistics	MNF	Tielbörger, Tomioło	<a href="#">Biostatistics II / Advanced Biometry</a>	WS	6	Multiple regression, LM, linear mixed	Bio-4008
Advanced statistics	external	Oikostat.ch	<a href="#">various, check their website</a>	SS + WS	ca. 2	GLM, GLMM, GAMM, MCMC, ...	-
Advanced statistics	external	Highland Statistics	<a href="#">various, check their website</a>	SS + WS	ca. 2	GLM, GLMM, GAMM, MCMC, ...	-
Advanced statistics	external	PRstatistics	<a href="#">various, check their website</a>	SS + WS	ca. 2	as above, also spatial analyses, Bioinf	-
Modelling	MNF	Schmid	<a href="#">Computational Ecology</a>	SS+WS	6	Introduction to individual-based simu	Bio-4209
<b>Own data handling</b>	EVEREST	<b>various EVEREST scientists</b>	"EVEREST statistics forum": Discussion of analytical appro	SS/WS	none	on request; contact Nils Anthes	
<i>Consulting for statistical analyses</i>							
		Max <b>Schmid</b> (individual-based simulations, mathematical modeling)				(also individual appointments possible)	
		Nils <b>Anthes</b> (experimental design, linear models, mixed models, GLM, GLMM)				(also individual appointments possible)	
		Oliver <b>Bossdorf</b> (quantitative genetic analyses, mixed models, Bayesian estimation)				(also individual appointments possible)	
		Todd <b>Ehlers</b> & group (numerical modeling, time-series data analysis)				(also individual appointments possible)	
		Katharina <b>Foerster</b> (uni- and multivariate trait observations, pedigrees, microsatellite data)				(also individual appointments possible)	
		Katja <b>Tielbörger</b> (experimental design; multifactorial models)				(also individual appointments possible)	
		Sara <b>Tomioło</b> (experimenta design, data visualization, reproducibility, mixed models, GLM, software R - tidyverse)				(also individual appointments possible)	
<b>Scientific communication: writing, publishing, reviewing, presenting</b>							
Scientific writing	MNF	Nils Anthes	<a href="#">Scientific Writing Skills</a>	WS	6	8 half days + training: Structuring, dr:	Bio-3074
Scientific communication: various topics	Grad academ	various	<a href="#">Check their current program for PhD students</a>	SS+WS	various		-
Scientific communication: various topics	Career Servic	various	<a href="#">Check their current program for PhD students</a>	SS+WS	various		-
Scientific communication: various topics	ZDV	various	<a href="#">Check their current program for PhD students</a>	SS/WS	various	e.g. GIMP, Adobe Illustrator, Adobe F	-
<b>Workshop Reviewing and publishing</b>	EVEREST	<b>Nils Anthes</b>	Getting manuscripts ready to publishing and understandii	SS	0,5	1 day workshop, offer planned pending sufficient interest	
<i>Your individual consultants</i>	EVEREST	<b>Nils Anthes</b>	Scientific writing & publishing	appoint.			-
<i>Your individual consultants</i>	EVEREST	<b>Oliver Bossdorf</b>	Scientific writing & publishing	appoint.			-

Bioinformatics & Genetics								
Bioinformatics	MNF	various	check various course offers on Campus					
<i>Your individual consultants</i>	EVEREST	<b>Oliver Bossdorf</b> (Analysis of methylation patterns)		appoint.				-
<i>Your individual consultants</i>	EVEREST	<b>Katharina Foerster</b> (Population genetics)		appoint.				-
<i>Your individual consultants</i>	EVEREST	<b>Henri Thomassen</b> (PCR, microsat & SNP analysis, wetlab skills)		appoint.				-
<i>Your individual consultants</i>	EVEREST	<b>Detlef Weigel</b> (whole genome analyses, NGS)		appoint.				-
Morphology, microscopy, histology, spectrometry etc.								
3D imaging and electron microscopy	MNF	M. Yavorskaya, O. Betz	<a href="#">Microscopic Imaging and 3D reconstruction</a>	WS	6	in English		Bio-3187
Bionics / Biomimetics	MNF	O. Betz	<a href="#">Biomimetics of animal constructions</a>	SS	6 (for biologists)	in English		Bio-3098
Palaeopathology	MNF	Katerina Harvati	can admit few students to existing courses, on personal request!					-
Geometric morphometrics	MNF	F. Alexandros Karakostis	<a href="#">Human Anatomy - Soft Tissue</a>	WS	6			ASHE-8d // NWA-08b-6a
Zooarchaeology	MNF	Starkovich, Drucker	Diet and subsistence in Prehistoric context	SS	3 + 3	given only during uneven years, starting SS 2023		NWA-09a
Special Topics in Paleoanthropology	MNF	F. Alexandros Karakostis	<a href="#">Activity reconstruction</a>	WS	3			ASHE-9d
Special Topics in Paleoanthropology	MNF	F. Alexandros Karakostis	<a href="#">Morphometrics, Epigenetics and Statistics</a>	every 2nd semester	3 + 3			PAL-10b-1, ASHE-9d
Isotope analysis	MNF	Bocherens, Drucker, Wissing	<a href="#">Terrestrial Ecosystems – Excavation and Laboratory Internship (Laboratory internship)</a>	SS	3	application at course advisors before 01 July, the practical course in isotope analysis is being conducted the second week of October		Geow-M401-Ü2
Stone Age Archaeology	MNF	Nicholas Conard	<a href="#">Introduction to Stone Age Archaeology</a>	WS	2	Thursday from 9-11, Schloss 119		ASHE-3f
Early Prehistory and Quaternary Ecology	MNF	Nicholas Conard	<a href="#">Departmental Colloquium for Early Prehistory and Quaternary Ecology</a>	every semester	3	Thursdays from 11-13, Schloss 119		ASHE-8f, UFG-MA-1, UFG-MA-10-2
Archaeological Sciences and Human Evolution	MNF	Nicholas Conard	<a href="#">Archaeological Sciences and Human Evolution Colloquium</a>	every semester	3	Fridays 10-12, Höderlinstr. 12		ASHE-1b // NWA-01-2
<i>Your individual consultants</i>	EVEREST			appoint.				-
<i>Your individual consultants</i>	EVEREST	Nicholas <b>Conard</b> (Cultural evolution, evolution of technology and material culture, excavations in Germany & abroad)		appoint.				-
<i>Your individual consultants</i>	EVEREST	Manfred <b>Drack</b>	Mechanische Analysen in der Biologie	appoint.		contact: manfred.drack@uni-tuebing		-
<i>Your individual consultants</i>	EVEREST	Katerina <b>Harvati</b> (Skeletal anatomy, geometric morphometrics)		appoint.				-
<i>Your individual consultants</i>	EVEREST	Annett <b>Junginger</b> (Paleolimnology and paleoclimate reconstructions)		appoint.				-
<i>Your individual consultants</i>	EVEREST	F. Alexandros <b>Karakostis</b> (Geometric morphometrics, functional morphology)		appoint.				-
<i>Your individual consultants</i>	EVEREST	Nico <b>Michiels</b> (Spectrometry + spectral analyses)		appoint.				-

Spatial analyses							
GIS course	MNF	FB Geowissenschaften	Grundlagen Geogr. Informationssysteme I II	SS	2 days	in German	GEO-GIZ 1, 3
Spatial genetics	MNF	Henri Thomassen	<a href="#">Landscape genetics</a>	WS	6	not offered in WS 20/21	Bio-3143
Workshop <b>GIS introduction</b>	EVEREST	A. Braun, FB Geo	Introduction to Geogr. Information Systems	<b>t.b.a.</b>	1	postponed, new dates pending pandemy development	
<i>Your individual consultants</i>	EVEREST	Henri <b>Thomassen</b> (Spatial & landscape genetics)		appoint.		-	
Career planning							
Career planning: various topics	CareerServic various		<a href="#">Check their current program for PhD students</a>	SS+WS		Job applications, funding applications	-
Workshop <b>Career Planning</b>	EVEREST	Katerina <b>Harvati</b>		WS	0,25	embedded in DOSE on irregular basis	
Workshop <b>Time management</b>	EVEREST	Nico <b>Michiels</b>	Reflecting time allocation in a research environment	t.b.a	0,25	embedded in DOSE on irregular basis	
<i>Your individual consultants</i>	EVEREST	Katerina <b>Harvati</b> (Grant applications)		appoint.		-	
<i>Your individual consultants</i>	EVEREST	Nicholas Conard (General life planning)		appoint.		-	
<i>Your individual consultants</i>	EVEREST	Detlef <b>Weigel</b> (Job applications)		appoint.		-	
General support							
Career Service Uni Tübingen	Uni	<a href="#">Link</a>	Broad offer regarding career planning				-
Graduate Academy Faculty of Sciences	MNF	<a href="#">Link</a>	Coordinates support for PhD students at Faculty level, including course offers				
Graduate Academy Uni Tübingen	Uni	<a href="#">Link</a>	Broad offer with respect to "soft skills" and job applications, some tailored specific: <a href="#">for PhD students</a>				<a href="#">for young Postdocs</a>