GEORG-AUGUST-UNIVERSITÄT GÖTTINGEN

GGNB
Göttingen Graduate Center for Neurosciences, Biophysics, and Molecular Biosciences

GGNB: Short Methods Courses & Method Seminars; Extended Methods Courses

Program October 2026 - March 2027 (winter semester 2026/27)

- Registration possible two months before the course month -

Link to EXA

IMPORTANT:

1) Check the detailed course descriptions in UniVZ or Stud.IP before signing up as some courses require pre-work / follow-up work or have an unusual duration! 2) Participation is binding. Cancellation is only possible via the GGNB Office (NOT via contacting the trainer directly) with a) sick certificate, or b) statement by supervisor for science reasons. If you do not provide this, you will be excluded from courses for the next 12 months, as well as travel grants and other financial support. No exceptions.

By signing up you agree (1) to carefully check in advance whether you will be able to attend the course (e.g. do not register for 2 courses taking place on the same dates - the above mentioned sanctions apply!), (2) to frequently check your student e-mail account, as all information on courses will exclusively be sent to that account; (3) that your name and e-mail address may be forwarded to the course instructor(s) for communication before and after the course; (4) to complete the course evaluation; (5) inform us if you no longer wish to maintain a waiting list position; (6) that you only receive credits for attending the entire workshop - you will not get partial credits for part-time attendance.

Department/Group	Supervisor(s)	EXA ID	ID	Title of Course	Credits	Status	Date
Biochemistry							
Feußner, Ivo	Herrfurth, Cornelia	340045	A 016	Introduction to lipid analysis	1.0	**Presence**	22-24 Mar 2027
Tittmann, Kai	Fabian Rabe v. Pappenheim	340018	A 064	Principles and methods of protein purification by chromatography	1.0	**Presence**	9-10 Nov 2026
Rodnina, Marina	Bee-Zen Peng	340010	A 081	Introduction to transient kinetic methods	1.0	**Presence**	12-13 Oct 2026
Rehling, Peter	Suman Mhatre, Paula Mesh	340211	A 163	Native membrane protein complex isolation	0.5	**Presence**	26 Nov 2026
Molecular Biology & Genetics							
Pöhlmann, Stefan	-	350058	A 160	Molecular Biology of HIV replication and pathogenesis	2.0	**Presence**	Thursdays, 05 Nov 2026 - 18 Feb 2027
Pöhlmann, Stefan	Michael Winkler, Markus Hoffmann	340221	A 171	Viral transduction systems	1.5	**Presence**	27-29 Oct 2026
Jakobs, Stefan	Daniel Jans	340459	A 260	STED nanoscopy and immunolabeling	1.0	**Presence**	13-14 Oct 2026
Hörandl, Elvira	Antje Menster	340037	A 304	Evolutionary Genomics of Biodiverse Reproductive Systems	1.0	**Presence**	6 Nov 2026 - 12 Feb 2027, Fridays biweekly
Cell Biology & Microbiology, Imaging							
Mitkovski, Mišo	-	340066	A 098	Introduction to image processing in biology with ImageJ and FIJI	1.5	**ONLINE**	2-4 Dec 2026
Steinem, Claudia	Heike Conrad	340496	A 276	Hertha Sponer College Lecture Series	0.5	**Hybrid**	monthly, every 2nd Tuesday of a month, registration via **heike.conrad@med.uni-goettingen.de**
Roos, Christian	Liye Zhang	340322	A 291	Tracing demographic histories from NGS data	1.0	**CANCELLED**	2-3 Nov 2026
Roos, Christian	Liye Zhang	340323	A 292	Tracing selective sweeps in NGS data	1.0	**Presence**	9-10 Nov 2026

Department/Group	Supervisor(s)	EXA ID	ID	Title of Course	Credits	Status	Date
Cell Biology & Microbiology, Imaging							
Bouter, Yvonne	-	340022	A 301	Translational Imaging in Neurodegenerative Diseases: From Animal Models to Clinical Practice	1.0	**Presence**	10-11 Dec 2026
Schrader, Henning/Bauch, Hubert	-	340102	A 311	Fundamentals in Light Microscopy and Image Analysis	0.5	**Presence**	11 Feb 2027
Molecular & Cellular Neuroscience, Electrophysiology							
Pardo, Luis	Andrea Alcatraz	340040	A 063	Patch clamp	1.5	**Presence**	13-15 Oct 2026
Rhee, Jeong Seop	-	340038	A 096	Nerve cell culture and patch-clamp recordings from nerve cells	1.0	**Presence**	14-15 Dec 2026
Fiala, André	Ismael Fernández Hernández	340319	A 216	Neuronal circuit dissection in Drosophila	1.5	**Presence**	21-23 Oct 2026
Theoretical, Systems & Behavioral Neuroscience							
Wolf, Fred/ Wibral, Gollisch	-	530170	A 021	Theoretical and Computational Neuroscience: Collective Dynamics of Biological Neural Networks I	1.0	**Presence**	Mondays, 30 Oct 2026 -12 Feb 2027 AND Thursdays, 21 Jan - 11 Feb 2027
Antal, Andrea	-	340056	A 048	Transcranial magnetic- and electrical stimulation	1.0	**CANCELLED**	November 2026
Antal, Andrea	-	340056	A 048	Transcranial magnetic- and electrical stimulation	1.0	**Presence**	Mar 2027 tba
Structural Biology							
Bennati, Marina	Luming Yang, Yu Rao	340055	A 003	EPR-Spectroscopy	1.5	**Presence**	18-20 Jan 2027
Biophysics, Bioinformatics and Statistics							
de Groot, Bert/ Wörgötter Florentin	-	340166	A 025	Current Topics in Biophysics and Complex Systems - Lecture Series	1.0	**Presence**	Mondays, starting from Oct 2026
Friede, Tim	Christian Röver	340061	A 100	Basic statistics for graduate students in the life sciences - an introduction using R	1.0	**Presence**	3 Nov-1 Dec 2026
Steinem, Claudia	Juliane Haipeter, Mahdieh Khojasteh	340067	A 133	Using biosensors to study analyte-ligand interactions: basic principles and applications	0.5	**Presence**	27 Jan 2027
Grubmüller, Helmut / de Groot, Bert	-	340232	A 143	Theoretical and Computational Biophysics	2.0	**Presence**	Mondays, starting from October
Beißbarth, Tim	Tim Beißbarth, Nico Posnien, Maksims Fiosins	340208	A 157	Next Generation Sequencing (NGS) – Analysis of RNAseq and ChIP-seq data	1.5	**Presence**	2-4 Dec 2026
Beißbarth, Tim	Martín Bernaus	440727	A 176	Introduction to R and RNA - Seq analysis	1.5	**Presence**	13-15 Oct 2026

Department/Group	Supervisor(s)	EXA ID	ID	Title of Course	Credits	Status	Date
Biophysics, Bioinformatics and Statistics							
Janshoff, Andreas	Tabea Oswald	340235	A 169	Atomic Force Microscopy versatile tools to study surfaces and surface properties	0.5	**Presence**	4 Mar 2027
Jeschke , Markus	-	340464	A 265	Build your own experiments with Arduinos	1.5	**Presence**	8-12 Oct 2026
Rismondo, Jeanine	-	340542	A 290	Working with Geneious - from cloning to sequence data analysis	1.0	**ONLINE**	27-28 Jan 2027
Gregor, Carola	Leonie Tomm	340046	A 305	HSC Course Bioluminescence Imaging	1.0	**Presence**	5-6 Nov 2026
Posnien, Nico	-	340058	A 306	Bash for Biologists	0.5	**Presence**	17 Nov 2026
Hörandl, Elvira	O'Donnell, Andrew	340083	A 310	Bioinformatic analysis of loci under selection	1.0	**Presence**	19-20 Oct 2026
Vertebrate Animal Models							
Wirths, Oliver	-	340199	A 175	Neurodegenerative Diseases: Molecular pathology of Alzheimer's disease and relevant transgenic mouse models	1.0	**Presence**	20-21 Jan 2027
Weber, Martin	Jasmin Ochs	340645	A 296	Animal models of multiple sclerosis I	1.0	**CANCELLED**	19-20 Oct 2026
Weber, Martin	Jasmin Ochs	340650	A 296	Animal models of multiple sclerosis II	1.0	**CANCELLED**	23-24 Nov 2026
Bouter, Yvonne	-	340021	A 300	Animal models of Alzheimer's Disease	1.0	**Presence**	Dec 2026 tba
Python courses							
The university offers various courses on Python that PhD students may join:							
Wieder, Philip	-	502662	/	Einführung in Python für Data Scientists		Presence	Summer semester
Nobach, Holger	-	536420	/	Programmieren in Python		Presence	Summer semester
Geil, Burkhard	-	570940	/	Computergestützte Datenanalyse		Presence	Summer semester
Gipp, Béla	Lima Ruas, Terry	503496	/	Programming for Data Scientists: Python		Presence	Winter semester
Martin Suhm	Ricardo da Mata, Nils Lüttschwager	571370	/	Programmieren in Python		Presence	Winter semester