Physical Limnology 2020
Workshop – Block Course

On the campus "Im Neuenheimer Feld" of the Heidelberg University.
Building INF (not known yet) seminar room (not known yet)

Schedule of lectures: 30th March to 3rd April 2020

Start time	Mon	Tue	Wed	Thu	Fri
9:00-9:30	--	Ex-L1	Ex-B2	Ex-T1	Ex-L2
9:30- 11:00	**B1+ex**	**L2+ex**	**B4+ex**	**T2**	**B7**
11:15-12:45	**L1+ex**	**B3+ex**	**T1+ex**	**B6**	**L4**
14:15-14:45	Ex-B0	Ex-B1	Ex-B3	Ex-B5	--
15:00-16:30	**B2+ex**	**S1**	**B5+ex**	**L3**	**--**

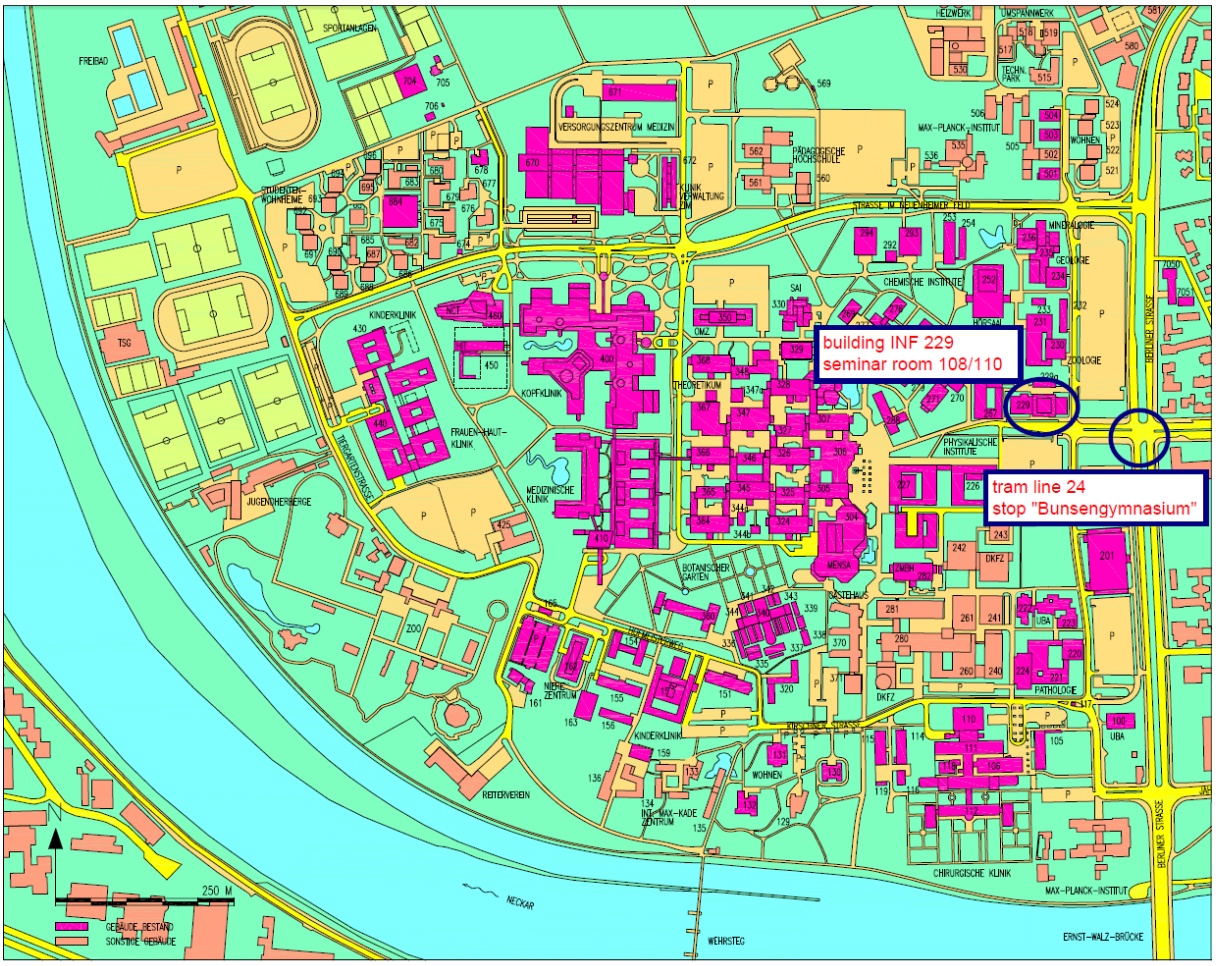
B Dr. Bertram Boehrer (Helmholtz Centre for Environ. Res. – UFZ, Magdeburg)
L Prof. Andreas Lorke (Univ. Koblenz-Landau, Landau)
T Prof. Marco Toffolon (Univ. Trento)
S Maximilian Schmidt (Univ. Heidelberg)
ex brief exercise sheet handed out.
Ex exercise group

B1 - Stratification and circulation of lakes, Navier Stokes – eq.
B2 – solutes, solubility, electrical conductivity
B3 – density, stability and mixing, deep water renewal
B4 – surface waves, seiche, interfacial waves
B5 – internal waves
B6 – properties of internal waves
B7 - Permanent stratification, meromixis, climate sensitivity
L1 - Turbulence I: Introduction to turbulence
L2 - Turbulence II: Spectral characteristics and measurements
L3 - Turbulence III: Momentum and mass transport in turbulent boundary layers
L4 - Turbulence IV: Living in turbulence: biological – physical interactions
T1 – wind-driven circulation in lakes
T2 – transport in lakes by turbulent diffusion and shear dispersion
S1 – Tracers in physical limnology

Further Information:
http://www.ufz.de/index.php?de=18470
Bertram.Boehrer@ufz.de

This block course is sponsored by

Sea and Sun Technology, Trappenkamp
http://www.sea-sun-tech.com/technology.html



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