

Physical Limnology 2021
Workshop – Block Course

In 2021, on video only.

The link will be communicated to the enrolled participants closer to the date.

Schedule of lectures: 22nd – 30th March 2021

Start time	Mon 22 nd	Tue 23 rd	Wed 24 th	Thu 25 th	Fri 26 th	Mon 29 th	Tue 30 th
9:00- 10:00	B01	L1a	B04	L2b	B07	B10	L4a
10:00-11:00	B02	L1b	B05	L3a	B08	B11	L4b/B13
11:00-12:00	B03	L2a	B06	L3b	B09	B12	B14
afternoon	Ex-B1	Ex-L1	Ex-B2	Ex-L2	Ex-B3	Ex-B4	--

B Dr. Bertram Boehrer (Helmholtz Centre for Environ. Res. – UFZ, Magdeburg)
L Prof. Andreas Lorke (Univ. Koblenz-Landau, Landau)
Ex exercise sheet to solve

B01 - Stratification and circulation

B02 - Navier Stokes – eq.

B03 – Solutes, solubility

B04 – electrical conductivity, salinity

B05 – density

B06 - stability

B07 – surface waves

B08 – interfacial waves, seiche

B09 – internal waves

B10 – modal decomposition

B11 – Properties of internal waves

B12 – Ray Waves

B13 - Permanent stratification, meromixis

B14 - Climate sensitivity

L1a, b - Turbulence I: Introduction to turbulence

L2a, b - Turbulence II: Spectral characteristics and measurements

L3a, b - Turbulence III: Momentum and mass transport in turbulent boundary layers

L4a, b - Turbulence IV: Living in turbulence: biological – physical interactions

Further Information:

<http://www.ufz.de/index.php?de=18470>

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