

Physical Limnology 2027

Workshop – Block Course

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

Schedule of lectures: 8th to 12th March 2027

Start time	Mon	Tue	Wed	Thu	Fri
9:00-9:30	--	Ex	Ex	Ex	Ex
9:30- 11:00	lecture	lecture	lecture	lecture	lecture
11:15-12:45	lecture	lecture	lecture	lecture	lecture
14:15-14:45	Ex	Ex	Ex	Ex	--
15:00-16:30	lecture	lecture	lecture	lecture	--

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

- **Stratification and circulation of lakes, Navier Stokes – eq.**
- **solutes, solubility, electrical conductivity**
- **density, stability and mixing, deep water renewal**
- **surface waves, seiche, interfacial waves**
- **internal waves**
- **properties of internal waves**
- **Permanent stratification, thermobaricity**
- **meromixis, climate sensitivity**
- **Turbulence I: Introduction to turbulence**
- **Turbulence II: Spectral characteristics and measurements**
- **Turbulence III: Momentum and mass transport in turbulent boundary layers**
- **Turbulence IV: Living in turbulence: biological – physical interactions**

Further Information:

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

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