



## Announcement of Lectures and Exercises

### **Global Climate dynamics** (Master Module P4)

- Lecturers:** Johannes Quaas (Lectures)  
Jan Kretzschmar (Exercises)
- Location:** Bjerknes auditorium, Stephanstr. 3  
Lectures will be **online-only** for 9 April – 7 May and 28 May – 11 June  
<https://uni-leipzig.zoom-x.de/my/jquaas>
- Time:** Wednesday 10.15 – 11.45 h (Lectures)  
Wednesday 12.00 – 13.30 h (Exercises)
- Start:** Wednesday 9 April 2025 (Lectures)  
Wednesday 23 April 2025 (Exercises)
- Topics:** Atmospheric and oceanic large-scale circulation, energy cycles,  
Coupling of energy and water cycles, climate feedbacks, physics of  
climate change
- Module exam:** Oral exams (30 min.; individual appointments 7 – 10 July)
- Moodle:** <https://moodle2.uni-leipzig.de/course/view.php?id=48569>
- Literature:** Peixoto and Oort, Physics of Climate, Springer, 2007, 564pp.  
Holton, An Introduction to Dynamic Meteorology, Elsevier Academic Press,  
2004, 535pp.  
Emanuel, Atmospheric Convection, Oxford University Press, 1994, 492pp.