



## Announcement of Lectures and Exercises

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

- Lecturers:** Johannes Quaas (Lectures)  
Jan Kretzschmar (Exercises)
- Location:** Seminar room, Stephanstr. 3
- Time:** Wednesday 9.45 – 11.15 h (Lectures)  
Wednesday 11.30 – 12.15 h (Exercises)
- Start:** Wednesday 5 April 2023 (Lectures)  
Wednesday 19 April 2023 (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 in the week 10 to 14 July)
- Moodle:** <https://moodle2.uni-leipzig.de/course/view.php?id=42831>
- 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.