Announcement of Lectures and Practical Work

**Data assimilation**

(Master Elective Module T6)

**Lecturer:** J. Quaas

**Location:** Seminar room Vor dem Hospitaltore and CIP-Pool, Talstraße 35

**Time:** Wednesday 9.15 – 11.30
(8 Lectures, 6 April – 8 June; 4 courses Practical work 16 – 29 June; 2 Presentations, 6 – 13 July 2021)

**Start:** Wednesday, 6 April 2022

**Topics:** Combination of modelling and observations, Statistical basics, Objective analysis, cost function, Kalman filter, Variational assimilation

**Remark:** Some or all of the lectures will be taught in English, depending on the attendants

**Exams:** The exam for this class is an oral presentation about the practical work and a short written report.

**Moodle:** https://moodle2.uni-leipzig.de/course/view.php?id=37459

**Literature:**
Data Assimilation Research Testbed (DART),
http://www.image.ucar.edu/DAReS/DART/