

Syllabus for GES-02 Advanced Data Analysis, Summer 2025-26

Instructors: Dr. Makan Karegar

Lab's instructors: Msc. Christian Mielke,

Location: Übungssaal II, Nussallee 17, second floor.

The APMG section of the GES-02 course this year consists of three lectures and a project submission. The project must be submitted in order to qualify for the examination.

**10.04.2025: Lecture 1:** Introduction to the APMG part and project definition

**08.05.2025: Lecture 2:** GRACE/FO and working with their data

**22.05.2025: Lecture 3:** Theory of solid Earth loading

**05.06.2025: Lecture 4:** Theory of solid Earth loading (Cont.)

**26.06.2025: Lecture 5:** Application of solid Earth loading

**03.07.2025: Lecture 6:** Practical 1&2 (Mielke)

**10.07.2025: Lecture 7:** Project progress discussion