



## Advanced Methods PG: Stable Isotope Analysis

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**Applicability:** Master PG

**ECTS:** 15

**Number of participants:** max. 8

**Learning objectives and skills:** Stable isotopes are important tools for environmental research. They are widely applied, e.g. in paleoclimate, carbon cycle or ecosystem studies. Moreover, they are increasingly used for geographic provenancing related to “isotopic fingerprints”, e.g. in food control and forensics.

The major principles of stable isotope techniques will be communicated both theoretically and practically. Potential applications will be learned in form of exercises and joint project work.

**Learning achievements:** seminar talk, exercises, lab work, project work, paper writing



**Dates:** Block course 26.7.-30.7.2021 (Mo-Fr) 9 am-4 pm, soil lab, Bismarckstr. 1, Erlangen