

Vorlesungsankündigung SS 2026

"Metrology in Chemistry – From Data Evaluation to Traceability in Chemical Analysis"

Main content:

- Introduction to metrology and the total analytical process
- The International System of units (SI)
- Concept of metrological traceability and its realisation in chemical measurements
- How to express analytical results
- Concepts, approaches and examples for estimating measurement uncertainty
- Principles of analytical quality assurance and quality control incl. ISO/IEC 17025
- Modern validation of analytical procedures
- Proficiency testing of laboratories
- Reference materials
- The international measurement infrastructure

Place: Universität Duisburg-Essen, Standort Essen, Raum T03 R02 D81

Time: **16.04.2026 & 23.04.2026 & 30.04.2026 & 07.05.2026**
14:00 – 18:00 h

Prof. Dr. Hendrik Emons

Participants will receive a certificate and 2 Credit Points after successfully passing a written test on 07th May 2026

Further information via e-mail: hendrik.emons@uni-due.de