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Lehrveranstaltungsankündigung - Sommersemester 2026

Thermal Waste Treatment

LV 6108000001(2SSt VO)

Dozenten: Prof. Dr. rer. nat. Markus Reinmüller / Dr.-Ing. Paul Alps

Vorlesungsbetreuung: Dr.-Ing. Abdul Samad

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Vorlesungszeit: Donnerstag, 08:00 – 09:30 Uhr

Vorlesungsbeginn: 09.04.2026

Ort: IFK, Pfaffenwaldring 23, V 23.01

Inhalt der Vorlesung:

In addition to an overview about the waste treatment possibilities the students get a detailed insight to the different kinds of thermal waste treatment. The legal aspects for thermal treatment plants regarding operation of the plants and emission limits are part of the lecture as well as the basic combustion processes and calculations.

Thermal Waste Treatment (Lecture: 2SSt)

- Legal and administrative aspects of thermal waste treatment
- Trends in waste production
- Trends and development of thermal waste treatment
- Thermal conversion technologies for waste treatment (pyrolysis, gasification, combustion)
- General overview of air pollution control devices
- Monitoring and process control systems
- Calculations concerning waste combustion

Excursion Biological & Thermal Waste Treatment Plant (LV-Nr. 610802400) (8 h): to a Thermal Waste Treatment Plant. **The date will be announced in the lecture/ILIAS. Please register in C@MPUS.**

Prof. Dr. rer. nat. M. Reinmüller