

# Biological processes and landfill technology

6 LP / 4SWS

Type of examination: oral exam

Responsible: Prof. Dr.-Ing. Susanne Rotter / Albrecht Fritze



## Content:

- Quantification and characterization of organic waste, biological and geochemical conversion processes
- Process technologies for composting and anaerobic digestion facilities, and also landfills and mechanical-biological-treatment plants
- Design and dimensioning of composting and biogas plants or landfills
- Emission prevention by leachate and exhaust air treatment biological treatment plants
- Final storage criteria for landfill management
- Prognosis and utilization of landfill and biogas
- Measurement of greenhouse gas emissions from biological treatment plants, determination of depositing properties
- Remediation and decommissioning of landfills and special features of underground landfills

## Organisation:

- We will offer the integrated module biological processes and landfill technology as blended online learning courses.
- The module contains: video lectures, online consultations, group work, weekly tasks, preparation material, and more.
- **Start: 21.04.2020**

## Course registration, general enrollment procedure, and course access

Please register for the course via [moduleinschreibung@circulareconomy.tu-berlin.de](mailto:moduleinschreibung@circulareconomy.tu-berlin.de) as soon as possible, but latest until April 30, 2020. Please write an email with your full name, TU-email address and the module you would like to participate in.

Your registration is crucial for us to prepare and coordinate the modules for the registered number of students. We do our utmost to facilitate an exceptional learning experience for all of us.

