

Lecture Announcement

Summer Term 2026



Methods of Green Chemistry

Prof. Dr. Guido Kickelbick

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2 SWS (3 CP)

Dates: Mondays at 14:00 – 16:00
Starting Date: Mon Apr 13, 2026
Lecture room: Building C4.3, Kleiner Hörsaal II
Registration: mandatory registration via LSF
course catalog



Explore how chemistry can actively contribute to a more sustainable and responsible future. This lecture introduces modern strategies for reducing waste, conserving resources, and designing safer reactions and materials. You'll learn how green chemistry principles drive innovation in research, help solve global environmental challenges, and shape the way we approach scientific progress.

Content

Principles and Concepts of Green Chemistry, Green Chemistry Metrics, Toxicity and its Measurement, Organic Synthesis in Benign Green Solvents, Inorganic and Organic Synthesis in the Solid State, Use of Alternate Energy Processes in Chemical Synthesis

Target Audience

Students in master's science programs, as well as doctoral students. Basic knowledge of chemistry is assumed.