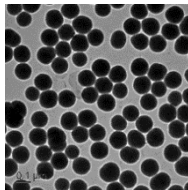
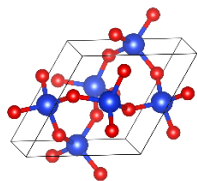


HyCoLab Course Announcement 2026



Lab Course: Hybrids and Coatings (HyCoP)

Prof. Dr. Guido Kickelbick

Duration: 60 h practical work + 30 h preparation of presentation and report (3 CP)

Dates: Lab Course **21.09.2026 – 09.10.2026**

Safety Seminar and first part of the preliminary test: **07.09.2026 at 9:00 a.m.**

Content:

The lab course focuses on the synthesis and surface-functionalization of nanocrystalline materials and nanoparticles and their incorporation into polymeric matrices. The particles and the final nanocomposites are characterized by a variety of methods including X-ray powder diffraction, dynamic light scattering, UV/Vis spectroscopy and many others. The goal of the course is to evaluate different synthesis routes and determine the major parameters in the synthesis of nanoparticles, nanocrystalline materials and homogenous nanocomposites. The synergistic properties of these target materials are compared to the precursors.

Information:

Preceding completion of the course "*Hybrids and Coatings (HyCoP)*" is not necessary.

As part of the mandatory preliminary discussion, there will be a pre-lab questionnaire on general chemical principles and methods relevant to the lab course after the safety seminar. Before each experiment, a discussion specific to that experiment will take place. A written report and presentation (English) are required to complete the course. A laboratory coat and protection goggles are needed.

Registration:

Registration is possible by e-mail to Susanne Limbach (susanne.limbach@uni-saarland.de) until **Sunday 30.08.2026**.

Please register as early as possible to gain access to the course material addressing the focus of the pre-lab questionnaire.