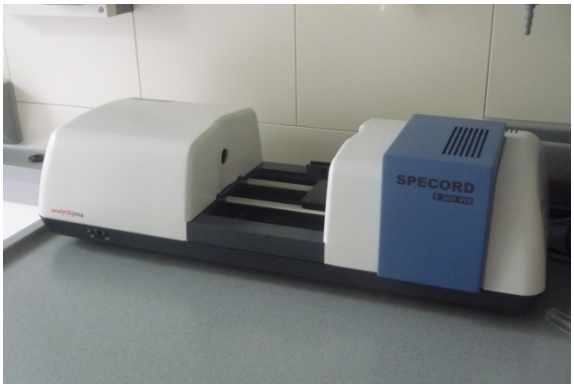
UV-Vis Spectroscopy	Model:	analytic jenaSpecord S 300 VIS
	Unit and Room:	Inorg. Chem, R 132 (ChemII)
	Responsible:	A. Manke
	Further Information:	manual

Short description: diode array Vis-Spectrometer (320 – 1100 nm) with sample holders for standard cuvettes (1mm-1cm). For measurements at controlled temperatures (T-range: 10 – 60 °C), a Peltier unit is also available. Due to the diode array set-up, a higher time resolution (up to 66spectra per second) can be reached than for normal UVVis spectrometers.	Picture of the Equipment 
Available Experiments/Techniques: absorption measurements in the visible light range (320 – 1100 nm) at controlled temperatures and with a high repetition rate. Coupling to electrochemistry (Vis-spectroelectrochemistry)	

Special Equipment: Peltierelement for sample thermostatation between 10 and 60°C

Measurements on the Equipment are currently done by:	☐ Students ☐ Students after Introduction ☐ Students after intensive training ☒ Trained scientific service personal
Recent publications, where this equipment was important	none
typical problems that may be solved with this instrument:	characterization of solution samples with absorption spectra in the visible light range