


Methods, IAAC, Hillebrecht

<h2>UV-Vis Spectroscopy</h2>	Model: Unit and Room: Responsible: Further information:	<i>Varian Cary 300 Scan UV-Vis Spectrometer</i> <i>Inorg. Chem., R. 142, (Chem. I)</i> <i>Dr. Henning Höpfe</i> http://portal.uni-freiburg.de/fkchemie/Ausstattung
Short Description: Cary 300 Scan UV-Vis spectrometer equipped with mercury UV lamp, halogen Vis lamp, pre-monochromator, sealed optics and variable slits.	Picture of the Equipment	
Available Experiments/Techniques: Absorption and diffuse reflectance measurements (200-800nm, minimal spectral bandwidth 0.2 nm)		
Special Equipment: Sample holder for solid samples, integrating sphere for reflection measurements		
Measurements on the equipment are currently done by:	<input type="checkbox"/> Students <input type="checkbox"/> Students after Introduction <input checked="" type="checkbox"/> Students after extensive training <input checked="" type="checkbox"/> Trained scientific service personal	
Recent Publications, where this instrument was important (optional): Give citation	K. Kazmierczak and H. Höpfe, <i>Eur. J. Inorg. Chem.</i> , 11 (2010)	
Typical problems that may be solved with this instrument:	<i>Characterization of optic transitions (absorption bands and band gaps), measurements on reflecting samples</i>	