UV/Vis-Spectroscopy	Model:	*Lambda 35 UV/Vis-Spectrometer Perkin Elmer Instruments*
	Unit and Room:	*Org./Bioorg. Chemistry, 1st floor, R.221F*
	Responsible:	*Prof. W. Bannwarth, E. Hensle*
	Further information:	

Short Description:

Scanning double-beam spectrometer for the UV/Vis range; operation by PC.
Range : 190 – 1100 nm
Bandwidth : 0.5 – 4 nm (variable)
Deuterium and Tungsten prealigned sources with automatic switch-over..

Picture of the Equipment

Available Experiments/Techniques:

Modes of Operation: scanning, wavelength program, time-drive, rate, quant, scanning quant
Measurements on liquids, solids, pastes and powder samples, also regulatory tests requiring variable resolution

Special Equipment:

Measurements on the equipment are currently done by:	☐ Students ☒ Students after Introduction ☐ Students after extensive training ☐ Trained scientific service personal
Recent Publications, where this instrument was important (optional): Give citation	C. Beller, W. Bannwarth, Helv. Chim. Acta, 2005, 88, 171 - 179
Typical problems that may be solved with this instrument:	The variable bandwidth operation allows sensitive measurements with accessories such as integrating spheres and fiber-optics probes, extending the range of samples that can be analyzed.