

Introduction to laser spectroscopy (1 credit)

On the lecture, in a small group, the basic principles of lasers will be presented and discussed, and different laser types introduced. Information will be provided about the equipment in spectroscopy, and safety issues. Included is a tour of the laser laboratories of the department of physical chemistry. Attending on this lecture is recommended before the following spectroscopy work: LIPS, Raman spectroscopy, and Quantum yield measurements.

Times of the lecture can be arranged with the laboratory assistants.

Before the lecture: Read P.W. Atkins' Physical Chemistry 8th ed., particularly its chapters 14.5 (*General Principles of Lasers*) and 14.1. (*Further Information: Examples of Practical Lasers*) with care.