



Kursplan

för forskarkurs

Practical NMR Spectroscopy for Organic Chemists

Practical NMR Spectroscopy for Organic Chemists

7.5 Högskolepoäng

7.5 ECTS credits

Kurskod:	KO40005
Gäller från:	VT 2020
Institution	Institutionen för organisk kemi

Förkunskapskrav och andra villkor för tillträde till programmet

Admitted to PhD-studies

Lärandemål

After completion of the course, the PhD student should be able to perform NMR experiments and interpret NMR spectra from organic molecules.

Innehåll

1D NMR experiment.
2D NMR experiment.
Replacement of NMR probe and filling of cryogen in magnet.
Two seminars dealing with interpretation of 1D and 2D NMR spectra.

Obligatoriska moment

1D NMR experiment.
2D NMR experiment.
Replacement of NMR probe and filling of cryogen in magnet.

Examinationsformer

The course is examined as follows:
Written report on what the experiments are used for, and interpretation of 1D och 2D NMR spectra.

Arbetsform

Instruction (in English) consists of
Performing NMR experiments at the spectrometer.
Processing of NMR data.
Interpretation of NMR spectra.