

Graduate course in Practical NMR spectroscopy for Organic chemists (7.5 hp)

Start: February 4, 2016

Time: 9.30

Place: Göran's room A627

The course covers 1D and 2D NMR experiments, in particular practical work at the spectrometers.

Litteratur:

T.D.W. Claridge: High-Resolution NMR Techniques in Organic Chemistry, 2nd Edition, Pergamon (ISBN-13: 987-0-08-054818-0)

or

J. B. Lambert and E. P. Mazzola: Nuclear Magnetic Resonance Spectroscopy: An Introduction to Principles, Applications, and Experimental Methods, Pearson Prentice Hall (ISBN 0130890669)

Please, bring with you a suggestion of 2 substances (~10-12 carbon atoms) that you can spare at least 200 mg of and that has good solubility (it may be a purchased compound) so that two samples can be prepared (for ¹H ca 15 mg/0.5 mL and for ¹³C ca 150 mg/0.5 mL). It may be a precursor (that you have purchased), but it should not be an intermediate compound in your ongoing research project.

Examination: Two written reports and participation in two seminars. Fulfillment of nitrogen filling of magnet and a probe change.

If you plan to attend, do email me at goran.widmalm@su.se

Best regards,

Göran and Kristina.