

Courses

NMR User Certification: Two hour class for safe and effective operation of the NMR spectrometers and probes.

- Pre-requisites: familiarity with NMR texts such as Spin Dynamics by Malcolm Levitt or Understanding NMR Spectroscopy by James Keeler
- Registrants: required for all hands-on NMR users
- Instructor: Sara Whittaker
- Dates: held quarterly (minimum enrolment of 6)

NMR Theory and Practice: Weekly discussions of basic & advanced NMR, pulse sequences and their applications.

[Basic NMR \(http://beregond.bham.ac.uk/nmrseminar/basic-nmr-course.html\)](http://beregond.bham.ac.uk/nmrseminar/basic-nmr-course.html)

- Pre-requisites: familiarity with NMR texts such as Spin Dynamics by Malcolm Levitt or Understanding NMR Spectroscopy by James Keeler
- Registrants: anyone interested in NMR
- Instructor: to be announced
- Dates: not running until further notice

[Advanced NMR \(http://beregond.bham.ac.uk/nmrseminar/advanced-nmr-course.html\)](http://beregond.bham.ac.uk/nmrseminar/advanced-nmr-course.html)

- Pre-requisites: hands-on practical NMR experience as well as familiarity with NMR theory and product operator formalism.
- Registrants: NMR spectroscopists with a few years' NMR experience
- Instructor: to be announced
- Dates: not running until further notice

Course materials (<http://beregond.bham.ac.uk/nmrseminar/>) and preparatory information are available for these courses from the instructors.

Please let the staff know (<mailto:s.b.m.whittaker@bham.ac.uk>) if there is another subject you would like to have covered.

Useful online sources of **NMR information** include:

- **[James Keeler's lectures \(http://www.keeler.ch.cam.ac.uk/lectures/index.html\)](http://www.keeler.ch.cam.ac.uk/lectures/index.html)**
- **[Joseph Hornak's site \(http://www.cis.rit.edu/htbooks/nmr/inside.htm\)](http://www.cis.rit.edu/htbooks/nmr/inside.htm)**
- **[David Jones' VnmrJ guide \(http://www.ucdenver.edu/academics/colleges/medicalschoo/programs/biomol/strucbiocores/nmr/Documents/pdf/UCDHSC-VNMRJ-NMR-GUIDEv3.pdf\)](http://www.ucdenver.edu/academics/colleges/medicalschoo/programs/biomol/strucbiocores/nmr/Documents/pdf/UCDHSC-VNMRJ-NMR-GUIDEv3.pdf)**