Tentative schedule for the PhD NMR course HT-2020

Week 39		
Sept 29	**Lecture-1 (9-11)** *Basic principles of NMR spectroscopy, the spectrometer*	**Lecture-2 (13-15)** *Spectral parameters-1 (chemical shift, couplings)*
Sept 30	**Lecture-3 (9-11)** *Spectral parameters-2 (chemical shift, couplings)*	**Lecture-4 (13-15)** *Relaxation, ^{13}C-NMR, Polarization transfer experiments, Nuclear Overhauser Effect (NOE)*
Oct 1	**Seminar-1 (9-11)** *Problems based on 1D-NMR spectra*	**Lecture-5 (13-15)** *2D-NMR spectroscopy, Protocol for routine structure determination*
Oct 2	**Lecture-6 (9-11)** *Dynamic NMR Spectroscopy*	-

Week 40		
Oct 6	**Seminar-2 (9-11)** *Problems based on 2D-NMR spectra(1)*	**Seminar-3 (13-15)** *Problems based on 2D-NMR spectra(2)*
Oct 7	**Lecture-7 (9-11)** *(Carbohydrates, hemicellulose and lignin)*	**Seminar-4 (13-15)** *(Problems on carbohydrates, hemicellulose and lignin)*
Oct 8	**NMR-lab demonstration (13-17)** *(How to setup and run some basic 1 and 2D NMR experiments)*	
Oct 9	**Seminar-5 (9-12)** *Student presentation of given problems in groups*	