

Course description

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| Course Title Introduction into Modern Methods of One- and Two-Dimensional NMR-spectroscopy Introdução em Métodos Modernos de espectroscopia de RMN Uni- e Bidimensional | | |
| Type/Attendance Time Lecture: 2 hour per week | Credit points (ECTS) 3 | Type of Examination Written exam |
| Recommended Prerequisites none | | |
| Content Basics and theoretical description of NMR-experiments, interaction mechanisms (chemical shift, scalar coupling, dipolar coupling, relaxation, NOE, hetero nuclei) basics of performing NMR experiments (functional principles of NMR spectrometers, lock, HF-pulse, phase cycles, gradients, important impulse sequences, data processing (FT, filters) artefacts). | | |
| Conteúdo Descrição básica e teórica de experimentos de RMN, mecanismos de interação (deslocamento químico, acoplamento escalar, acoplamento dipolar, relaxação, NOE, núcleos hetero), fundamentos de realização de experimentos de RMN. | | |