Title:	Nuclear magnetic resonance spectroscopy
Lecture hours:	30
Study period: (summer/winter)	summer
Number of credits:	2
Assessment methods:	The condition for passing the course is obtaining at least 50% of points during the final exam. Assessment criteria: 0-49% unsatisfactory (2) 50-59% satisfactory (3) 60-69% satisfactory+ (3+) 70-79% good (4) 80-89% good+ (4+) 90-100% very good (5)
Language of instruction:	English
Prerequisites:	Knowledge of the basics of general physics, general chemistry and quantum physics.
Course content: Learning outcomes:	 Basics of spectroscopy. The interaction of the magnetic field with matter. Magnetic resonance. Nuclear magnetic resonance. Chemical shift. Spin-spin coupling. Methodology of NMR spectra research. Influence of dynamic effects on the NMR spectrum. NMR spectroscopy. Magnetic resonance of other nuclei. 2D NMR correlation spectroscopy. Analysis of sample NMR spectra. Applications of NMR in medicine. P_W01 - Student has knowledge of the physical fundamentals of nuclear
-	magnetic resonance (K_W01) P_U01 - Student is able to interpret NMR spectra of chemical compounds (K_U01) P_K01 - Student understands social aspects of practical application of acquired knowledge (K_K07)
Name of lecturer:	dr Hubert Cybulski, associate professor
Email address:	hubert@ukw.edu.pl