

<b>Level:</b> PhD				
<b>Course title:</b> Intermolecular Interactions (DSH-607)				
<b>Status:</b> Elective				
<b>ECTS:</b> 15				
<b>Requirements:</b> None				
<b>Learning objectives</b> Acquiring profound theoretical and practical knowledge of particular topics of intermolecular interactions, depending on the subject of a PhD thesis.				
<b>Learning outcomes</b> Students should be able to apply the acquired broad knowledge of the relevant topics of intermolecular interactions to improve their PhD thesis and overall chemical education.				
<b>Syllabus</b> <i>Theoretical instruction</i> Intermolecular potentials. Orientation, induction and dispersion interactions between molecules. Hydrogen bonding. Theory of hydrogen bonding. Phenomena caused by hydrogen bonding. Spectroscopic manifestations of hydrogen bonding. Hydrogen bonding in biological systems.  <i>Practical instruction</i>				
<b>Weekly teaching load</b>				Other:
Lectures: 5	Exercises:	Other forms of teaching:	Student research: 5	