

Course description

Course Title Organometallic Chemistry Química Organometálica		
Type/Attendance Time Lecture: 3 hours per week Tutorial: 0.5 hour per week	Credit points (ECTS) 5	Type of Examination Examination 120 min
Recommended Prerequisites none		
Content Fundamentals Methods of preparing metalorganic compounds Main group organyls (Groups 1, 2, 12, 13, 14) Cyclopentadienyl compounds of main group elements Bonding types in transition metal complexes Metal carbonyls Carbene and carbyne complexes Olefin and alkyne complexes Allyl and enyl complexes Cyclopentadienyl complexes of subgroup elements Arene complexes and specific ligands Lanthanoid compounds		
Conteúdo Fundamentos Métodos de preparo de compostos metalo-orgânicos; Organil do grupo principal (Grupos 1, 2, 12, 13, 14); Compostos ciclopentadienila dos elementos do grupo principal; Tipos de ligação dos complexos de metais de transição; Carbonilas metálicas; Carbeno e carbino complexos; Olefina e alcino complexos; Alil e enil complexos; Ciclopentadienil complexos de elementos do subgrupo; Areno complexos e ligantes específicos; Compostos de lantanídeos.		