

Course description

Course Title Recent Synthetic Methods Métodos Sintéticos Recentes		
Type/Attendance Time Lecture: 3 hours per week Tutorial: 1 hour per week	Credit points (ECTS) 6	Type of Examination Written exam
Recommended Prerequisites none		
Content 1. Introduction to stereochemistry 2. Diastereoselective Reactions <ul style="list-style-type: none"> - Conformational analysis - Stereocontrol in cyclic systems - Diastereoselective addition to carbonyl compounds - Directed reactions - Aldol reactions - Enolate alkylation, - oxidation, - amination reactions - Diastereoselective olefin functionalization 3. (Transition) metals in organic synthesis <ul style="list-style-type: none"> - Principles of catalysis, enantioselective transformations - Palladium-catalyzed processes - Lewis acids in organic synthesis - Metal-mediated redox reactions - Ligand design 4. Retrosynthetic strategies		
Conteúdo <ol style="list-style-type: none"> 1. Introdução à estereoquímica; 2. Reações diastereoseletivas; 3. Metais (transição) em síntese orgânica; 4. Estratégias retró sintéticas. 		