

Structure and Reactivity

Tuesday 12h15-14h15, CH B330
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<https://www.epfl.ch/labs/lcsa/>

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Date	Topic
09.09.2025 12h15-14h00	1. Introduction: Goals of the lecture/ Position in the organic chemistry module 2. Short repetition: The chemistry of olefins and carbonyls
16.09.2025 12h15-14h00	3.1 Sigmatropic rearrangements
23.09.2025 12h15-14h00	3.1 Sigmatropic rearrangements 3.2 Rearrangements <i>via</i> reactive intermediates
30.09.2025 12h15-14h00	3.2 Rearrangements <i>via</i> reactive intermediates 4.1 Cyclization reactions using classical methods
07.10.2025 12h15-14h00	4.2 Electrocyclic and ene reactions 4.4. Cycloadditions 4.4.1 Diels-Alder cycloadditions
14.10.2025 12h15-14h00	Exercise Session 1
28.10.2025 12h15-14h00	4.4.2 [3+2] Cycloaddition reactions 4.4.3 Other cycloadditions
04.11.2025 12h15-14h00	5. The chemistry of radicals Exercise Session 2
11.11.2025 12h15-14h00	5. The chemistry of radicals 5. Photochemistry
18.11.2025 12h15-14h00	5. Photochemistry 6. Reactivity Umpolung
25.11.2025 12h15-14h00	7.1 Cross-couplings Exercise Session 3
02.12.2025 12h15-14h00	7.2 Metathesis 7.3 Olefin and C-H functionalizations
09.12.2025 12h15-14h00	7.5 Synthesis of carbocyclic and heterocyclic systems
16.12.2025 12h15-14h00	7.5 Synthesis of carbocyclic and heterocyclic systems Exercise Session 4