

Recommended Textbooks:

- selected Chapters of: Classics in Stereoselective Synthesis; Carreira, E. M.; Kvaerno, L; Wiley VCH Verlag GmbH & Co. KGaA, Weinheim, 2009.
- March's Advanced Organic Chemistry: Reactions, Mechanisms, and Structure; Smith, M. B.; March, J.; 6. Edition; John Wiley & Sons: New York, 2007.
- Advanced Organic Chemistry - Part A: Structure and Mechanisms; Carey, F. A.; Sundberg, R. J.; 5. Edition; Springer-Verlag: New York, 2007.
- Advanced Organic Chemistry - Part B: Reactions and Synthesis; Carey, F. A.; Sundberg, R. J.; 4. Edition; Springer-Verlag: New York, 2001.
- Advanced Organic Chemistry Reaction Mechanisms; Brückner, R.; Harcourt /Academic Press: San Diego, London, Burlington, 2002. Reaktionsmechanismen: Organische Reaktionen, Stereochemie, Moderne Synthesemethoden; Brückner, R.; 3. Auflage; Spektrum Akademischer Verlag GmbH: Weinheim, 2004.

Advanced:

- Strategic Applications of Named Reactions in Organic Synthesis; Kürti, L.; Czako, B.; Elsevier Academic Press: San Diego, London, Burlington, 2005.
- Frontier Orbitals and Organic Chemical Reactions; Fleming, I.; John Wiley & Sons: New York, 1976. Grenzorbitale und Reaktionen organischer Verbindungen; Fleming, I.; VCH Verlagsgesellschaft: Weinheim, 1990.
- Classics in Total Synthesis: Targets, Strategies, Methods; Nicolaou, K. C.; Sorensen, E. J.; VCH Verlagsgesellschaft: Weinheim, 1996.
- Classics in Total Synthesis II: More Targets, Strategies, Methods; Nicolaou, K. C.; Snyder, S. A.; Wiley-VCH: Weinheim, 2003.
- Stereochemistry of Organic Compounds; Eliel, E. L.; Wilen, S. H.; John Wiley & Sons: New York, 1994.