

Program: Chemistry (15025012071P6)

Course: ADVANCED ORGANIC CHEMISTRY

Code: PPGQU0066

Workload: 90 hours

Credits: 06

Syllabus:

Chemical Bonds and Structural Theory; Aromaticity; Reactivity and Structure; Stereochemistry and Conformational Analysis; Acids and Bases; Reactive Intermediates and the Woodward-Hoffmann Rules.

Bibliography:

MICHAEL B. and SMITH, M. Advanced Organic Chemistry: Reactions, Mechanisms, and Structure, 7th Edition, 2013.

CLAYDEN, J.; GEEVES, N. and WARREN, S. Advanced Organic Chemistry, Paperback, 2nd edition, Oxford University Press, 2012.

CAREY, F. A. and ROBERT, M. G. Advanced Organic Chemistry, 8th edition, The McGraw-Hill Companies, New York, 2011.

CAREY, F. A. and SUNDBERG, R. J. Advanced Organic Chemistry, Part A: Structure and Mechanisms, 4th ed., Plenum Press, New York, 2004.

Articles related to the research lines of PPGQ published in journals indexed in QUALIS.