

**Program:** Chemistry (15025012071P6)

**Course:** SEPARATION METHODS

**Code:** PPGQU0062

**Workload:** 60 hours

**Credits:** 04

**Syllabus:**

Nucleophilic and Electrophilic Substitution Reactions; Addition reactions to carbon-carbon double bonds. Elimination reactions. Addition reactions to carbon-oxygen double bonds. Radical reactions. Rearrangement reactions. Oxidation/reduction reactions. Pericyclic reactions.

**Bibliography:**

CAREY, F.A.; SUNDBERG, E. R. J. Advanced Organic Chemistry, 4th ed., Kluwer Academic/Plenum Publishers, 2001.

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

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

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