

Name of the course	Principles and applications of organic photochemistry
Number of instruction hours	20
Outline of course/module content	Basic principles of photochemistry and applications of photochemical methodology for the synthesis of organic molecules. Principles of photochemistry (light absorption, electronically excited states, absorption spectra, photophysical deactivation of excited states, photochemical transformations, quantum yield, electron transfer). Electrocyclization reactions. Cycloaddition reactions. Photochemistry of alkenes, dienes and polyenes. Photochemistry of carbonyl compounds. Photochemistry of aromatic compounds. Experimental techniques (light sources and filters, photochemical reactors, actinometry).
Description of instruction methods	Lectures, seminar, consultations
Description of course/module requirements	Test paper, oral exam, oral presentation