Name of the course	**Medicinal chemistry**
Number of instruction hours	20
Outline of course/module content	Principle of medicinal chemistry: Drugs and receptors, Enzymes as targets for drug action, Strategies in drug development Development of successful drugs: Inhibitors of angiotensin converting enzyme; Potassium and calcium channel blockers; Antagonists of histamine receptors (H2); Proton pump inhibitors and gastric acid secretion; Antidepressant; Ligands for benzodiazepine receptors; Blockers of the H1 receptors; Antibacterial DNA gyrase inhibitors; Inhibitors of human HIV reverse transcriptases; Anticancer drugs as antimetabolites, inhibitors of hormone action, DNA alkylating agents, Alkylating and non-alkylating compounds interacting with the DNA minor groove, DNA intercalators and topoisomerase I and II inhibitors, tubule and microtubule inhibitors, protein kinase inhibitors.
Description of instruction methods	Lectures, seminars and consultations
Description of course/module requirements	Seminar papers and oral examination