

Practicals syllabus

Toxicology

4th year, WS 2026/27, K238

Friday: 13:00 – 15:30

Practical 1 (3h) 25.9.

Toxicology of xenobiotics in clinical practice

Practice: Solution of case studies

Responsible teachers: Peter Vavrínek, Assoc. Prof., MPharm., PhD.; Csaba Horváth, PharmD., PhD.

Assistance: Annamária Vančová, M.D.

Practical 2 (3h) 16.10.

Teratogenicity, genotoxicity, carcinogenicity and immunotoxicity of xenobiotics

Practice: In vitro and in vivo toxicity test results evaluation

Responsible teachers: Ondrej Sprušanský, MSc., PhD.; Katarína Hadová, PharmDr., PhD.

Assistance: Parsa Shafieikazerooni, MPharm.

Practical 3 (3h) 6.11.

Pesticides and their residues in food, impact on the environment. Chemical warfare agents.

Practice: Butyrylcholinesterase activity assay

Responsible teachers: Anna Paul Hrabovská, Assoc. Prof., PharmD., PhD.; Kristína Szmicseková, PharmD., PhD.

Assistance: Parsa Shafieikazerooni, MPharm., Rahul Sharma, MPharm.

Practical 4 (3h) 27.11.

Polymorphism and genetic variations of xenobiotic metabolizing enzymes and their impact on the efficacy and safety of pharmacotherapy

Practice: Investigation of CYP 450 polymorphism

Responsible teachers: Gabriel Dóka, PharmD., PhD., Lenka Bies Piváčková, MPharm, PhD.

Assistance: Krajčírová Natália, MPharm.

Practical 5 (1h) 18.12.

Repetition of the curriculum and consultation on the subject

Responsible teacher: Anna Paul Hrabovská, Assoc. Prof., PharmD., PhD.

Technical assistance: Petra Jánošová Dierová

Anna Paul Hrabovská, Assoc. Prof., PharmD., PhD.

Course supervisor

Peter Křenek, Assoc. Prof., PharmD., PhD.

Head of the department