

Lecture syllabus

Toxicology

4th year, WS 2022/23, FaF UK K337

Monday: 13:00 – 14:40

Week	Date	Lecture title	Lecturer
1	24.10.	Introduction to Toxicology Organization of the subject, basic terminology, general toxicology, toxicological tests	Anna Paul Hrabovská, Assoc. Prof., PharmD., PhD.
2	31.10.	Toxicokinetics and toxicodynamics Metabolism of xenobiotics: inactivation and bioactivation of toxic metabolites and idiosyncratic reactions, polymorphism and genetic variation, drug interactions, molecular and cellular mechanisms of toxicity	Anna Paul Hrabovská, Assoc. Prof., PharmD., PhD.
3	7.11.	Clinical toxicology and toxicovigilance Acute and chronic poisoning, mechanisms of toxicity, evaluation of toxicity of xenobiotics, reasons for poisoning, management of poisoning	Blažena Cagáňová, Assoc. Prof., PharmD., PhD.
4	21.11.	Organ toxicity Hepatotoxicity, renal toxicity, neurotoxicity, respiratory toxicity	Blažena Cagáňová, Assoc. Prof., PharmD., PhD.
5.	28.10.	Antidotes Specific and nonspecific antidotes, antisera and antitoxins	Silvia Plačková, PharmD., PhD., MPH
6.	5.12.	Poisoning by substances of plant and animal origin Plant and animal toxins, mushroom poisoning, snake venom poisoning	Silvia Plačková, PharmD., PhD., MPH
7.	12.12.	Replacement lecture, consultations	Anna Paul Hrabovská, Assoc. Prof., PharmD., PhD.

Recommended literature:

- Mulder G.J. *Pharmaceutical toxicology*. Pharmaceutical Press 2006
- Carson R.H.: *The toxicology handbook for clinicians*. Mosby Elsevier, Philadelphia, 2006 Hodgson E.: *A textbook of modern toxicology*, Wiley, 2010
- Friedman L.M. et al.: *Fundamentals of Clinical Trials*, Springer 2015
- Galin J.I. & Ognibene F.P.: *Principles and Practice of Clinical Research*, Academic Press 2007
- Presentations from lectures and seminars of the course.