

Optional course for the Master of Medicine at USI

Title of the course	Clinical Toxicology
Brief description of the course	During this course the students will deepen their knowledge on diagnosis and treatment of acute poisonings with the most frequent and relevant medications and other substances.
Teacher(s)	Primary teacher: Prof. Dr. med. Alessandro Ceschi, M.Sc., FEAPCCT Co-teacher: Dr.ssa med. Francesca Bedussi
Discipline	Primary discipline: Clinical Pharmacology and Toxicology Collaborating disciplines: Emergency medicine and critical care
Learning objectives	Know how to diagnose and treat the most common and clinically relevant poisonings.
Topics treated	General approach to the acutely poisoned patient. General principles of diagnosis and treatment of acutely poisoned patients. Special aspects related to acute poisoning with certain medications and other substances.
PROFILES	EPA 6I Intoxication/poisoning SSP 211 intoxication, poisoning
Teaching format	Classroom, practical exercises and group work.
Structure of the course	1 st lesson: general principles of diagnosis and treatment of acute poisoning in humans and general approach to the acutely poisoned patient; poisoning with sedative and hypnotic drugs (incl. opioids). 2 nd lesson: anticholinergic drugs, antidepressants and antipsychotics 3 rd lesson: antiepileptics and dopaminergic drugs; ethanol (acute and long-term toxicity), methanol and ethylene glycol poisoning. 4 th lesson: cardiovascular agents; analgesics. 5 th lesson: muscle relaxants and malignant hyperthermia, caustics, carbon monoxide and cyanide poisoning. 6 th lesson: illicit drugs; venomous animals and mushrooms. Feedback and final considerations. Lectures followed by exercises and group work related to poisonings with different medications/classes of medications and other substances.
Place of course	CeSi (simulation center)
Teaching language	English.