

Occupational toxicology

C5



Mickaël Rinaldo

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Aim	<p>Preventing and controlling possible adverse health effects of chemicals on humans at the workplace is essential. In this module, students will learn about the fundamentals of toxicology and intoxication-related first aid measures.</p> <p>Upon completion of the course, students will be able to:</p> <ul style="list-style-type: none"> • Retrieve and analyze advanced information on toxic effects of chemicals • Apply the basic knowledge of occupational toxicology to help employer in the management of chemical risks • Manage HAZMAT-events • Treatment of acute intoxications in first aid settings
Contents	<ul style="list-style-type: none"> • Basic principles of toxicology • Source of exposure and effects of the main toxic agents in the workplace in Switzerland • Carcinogenic, mutagenic and reprotoxic chemicals • Principles of regulatory toxicology • Toxicological data bases for work and health specialist • Official hazmat life support course, including international certification • Poisoning treatment paradigm, including specific Antidotes
Methods	Lectures; Group work; Practical exercise
ECTS credits	2 ECTS credits= approx. 60 hours of workload including 40 hours of on-campus lectures and 22 hours of pre-assignment and exam
Target audience	<ul style="list-style-type: none"> • Students in the DAS Work+Health program • Occupational physicians and occupational hygienists • Other occupational health specialists interested in toxicology and hazmat life support
Module manager	Dr. med. Mickaël Rinaldo; University of Lausanne, Institute for Work and Health
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Dates and location	3–7 September 2018 in Lausanne
Fee	CHF 3 400.–
Registration deadline	8 July 2018