

Modulbezeichnung	MALS-Toxikologie	
Modulbezeichnung (eng.)	MALS-Toxicology	
Semester (Häufigkeit)	WPM (nach Bedarf)	
ECTS-Punkte (Dauer)	5 (1 Semester)	
Art	Wahlpflichtmodul	
Studentische Arbeitsbelastung	60 h Kontaktzeit + 90 h Selbststudium	
Voraussetzungen (laut MPO)	no	
Empf. Voraussetzungen	no	
Verwendbarkeit	MALS	
Prüfungsform und -dauer	Klausur/Exam 1,5h	
Lehr- und Lernmethoden	Vorlesung/Lecture	
Modulverantwortliche(r)	M.Batke	
Qualifikationsziele		
We will deal intensively with special issues of toxicology and thus develop a deeper understanding of toxicological assessments of chemicals, starting from exposure and dose-response relationships, through standardised test procedures to in vitro and in silico methods and alternative assessment strategies.		
Lehrinhalte		
The lecture comprises background and applications of the following topics: external and internal exposure, dose-response relationships, standardised test methods (animal tests according to OECD guidelines), classical risk assessment of chemicals and food ingredients/contaminants, in-vitro tests (e.g. genotoxicity, mutagenicity), in silico methods (e.g. adverse outcome pathway (AOP) skin sensitisation, (quantitative) structure-activity relationships ((Q)SAR), threshold of toxicological concern (TTC)), alternative assessment strategies (e.g. read across, AOP, Integrated Approach to testing and assessment (IATA)).		
Literatur		
to be communicated in the lecture		
Lehrveranstaltungen		
Dozenten/-innen	Titel der Lehrveranstaltung	SWS
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