Degree Programme	Master of Se	cience in Life Sciences (MSLS)	
Specialisation	Pharmaceutical Biotechnology		
Module	Master's Thesis		
Code	MSc_V2_M		
ECTS Credits	40		
Workload	1200 h		
Module Coordinator	Name Phone	Dr. Steffi Lehmann +41 (0) 58 934 50 64	
	Email	steffi.lehmann@zhaw.ch	
	Address	ZHAW Zürcher Hochschule für Angewandte Wissenschaften	
		Life Sciences and Facility Management	
		Einsiedlerstrasse 31 8820 Wädenswil	
Learning Outcomes and Competences	The objective of the Master's thesis is to enhance the student's scientific knowledge and competences and to increase professional, theoretical and methodological qualifications that develop the student's professional and interdisciplinary skills and the ability to work in related jobs in an industrial or academic environment.		
	The student demonstrates with the Master's thesis that he/she is skilled in independently transforming scientific theories and methods to solve a given problem. The quality of the Master's thesis is expected to be on the level of a peer-reviewed publication. Furthermore, the student is able to explain his/her research project in precise scientific terms, orally as well as in written form. The student		
	• is able (deve	e to analyse a problem taking relevant literature into account loping a scientific approach, concept, hypothesis, etc.)	
	strate can p project is abletican d	e to adequately design, plan and set up appropriate experimental gy (considering scientific standards) lan, implement, evaluate and carry out an original independent research ct individually using adequate, scientific methods (project management) e to critically interpret acquired experimental data raw final conclusions based on the evidence in the Master's thesis and resent results following scientific principles	
Teaching / Learning Methods	responsible for external research	thesis is conducted at a selected research group of the institute or the Master specialization or when agreed with the supervisor at an earch group in industry or academia. The work in a research group is to rect professional and methodological context of future fields of activity.	
	appropriate so at a high leve work as well a	vorks individually on the Master's thesis project and develops an olution for a predefined problem in terms of content and subject matter of self-competences and complying with the principles of scientific as with ethical responsibility. The Master's thesis is an independent, of work in an expert environment.	

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	The student presents his/her results in a scientific manner and is able to discuss the results in front of experts. He/she creates a poster following the corresponding research group's standards.		
Assessment of Learning Outcome	Milestone 1 "proposal / literature research"		
	Milestone 2 "experimental strategy"		
	Milestone 3 "experimental strategy"		
	Milestone 4 "final conclusions"		
	Oral presentation (pass/fail)		
Language	German		
	English		
Comments	Supervisors can be found on the homepage: https://www.zhaw.ch/de/lsfm/studium/master-of-science-in-life-sciences/vertiefung-pharmaceutical-biotechnology/masters-thesis/		
	Further information can be found in the document "Brochure for Master's Thesis MSLS": https://www.zhaw.ch/de/lsfm/studium/studiweb/master-ls/masters-thesis/		
Last Update	01.10.2021		

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