Master in Life Sciences



System evaluation using standard benchmarks.

A cooperation between BFH, FHNW, HES-SO, ZHAW

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	Theme 3: (nn HES-SO, TBA: 16 lessons)
	 Image-based foundation models (e.g., Stable Diffusion, Flux,) at the application layer
	Tayer.
	Techniques for fine-tuning these models to pharmaceutical, chinical, and scientific
	uala diidiysis.
	System evaluation and validation
Teaching / learning	This module consists of five sessions, all centrally administered on campus. Students
methods	are required to cover designated reading materials before the school. Each session in
	the school consists of a morning lecture focused on theories and an afternoon session
	focused on doing hands-on exercises supervised by the lecturers. Students propose a
	mini project up until the last session, discuss it in the last session, and deliver it
	accompanied by a short report two weeks after the school completion at the latest.
Assessment of	 Entry exam on preparatory self-study materials (30%)
learning outcome	 Delivering solutions for at least 60% of the exercises (20%)
	 Final assessment as a project work (50%)
Format	1-week winter school: preparatory self-study before school, 5 days of school sessions,
	two-week deadline for final project submission.
Timing of the	Autumn semester, CW 04
module	
Venue	Olten
Bibliography	Selected parts of the following resources will be used as the study material.
	A: Speech and Language Processing
	B: Slides (TBA)
	C: Selected papers (TBA)
	D: The Illustrated Stable Diffusion
	E: What are Diffusion Models?
Language	English
Links to other	-
modules	
Comments	
Last Update	17.03.2025

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