

Digital Finance

Module description valid from 01.09.2026

General module information

Module number	W.MSCIFM_DF03.26
type of module	C-Core Module
module level	B-Basis level
ECTS credits	3
module category	learning module (LM)
Workload	
Contact hours, in hrs	12.00
Supervised self-study, in hrs	12.00
Unsupervised self-study, in hrs	66.00
delivery / execution	autumn semester
regularity of in-person classes	block teaching
Module coordinator(s)	Stefan Hunziker (stefan.hunziker@hslu.ch) Imke Keimer (imke.keimer@hslu.ch)
Teaching language	English

Record

record	<p>In today's volatile and data-rich environment, traditional finance is no longer sufficient. Finance must evolve from a backwards-looking reporting function into a forward-looking, insight-driven partner that enables fast, confident decision-making. This module explores Digital Finance in an agile context—where data, analytics, and AI are not ends in themselves, but enablers of better business outcomes. Students will learn how modern finance functions operate as data-driven ecosystems, combining financial expertise, digital capabilities, and strong governance to drive value.</p> <p>Rather than focusing on tools, the course emphasises how finance leaders frame the right questions, build trusted data foundations, and translate data into decision-grade insights. Through real-world use cases and an interactive block week format, students will design digital finance solutions, evaluate AI use cases, and develop a future-ready finance roadmap—preparing them to act as impactful business partners in data-driven organisations.</p>
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Placement in the course of studies

degree programme / use	Master of Science in International Financial Management
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Module content

learning objectives	<p>By the end of the module, students will be able to:</p> <ul style="list-style-type: none"> • Explain the role of digital finance in modern, agile organisations • Understand the foundations of digital finance (data, analytics, processes, governance, and capabilities) • Translate business problems into data-driven financial insights • Evaluate digital and AI use cases in terms of value, risk, and adoption • Understand the importance of designing scalable, trusted data foundations for finance • Understand how finance roles evolve towards insight-driven decision support
learning content and structure	<p>The module is delivered as a block week with a strong workshop character, combining theory and application:</p> <ul style="list-style-type: none"> • Day 1— Roche, Finance & the Case for Digital • Day 2 — Foundations of Digital Finance • DAY 3 — The Insight Engine: Data, Analytics & AI • DAY 4 — Value, Adoption & Future Organisation <p>Each day follows a consistent structure: fundamentals, real-world application, and hands-on group work.</p>
teaching and learning methods	<p>Interactive lectures and discussions Real-world case studies and simulations Group work and collaborative exercises Agile, workshop-based learning</p>

Assessed assignment

Grading scale	HSLU.Halbe Noten
Examination/assessment 1	
Art	oral examination/assessment
Format	presentation
Time	during the semester/block week
Exam location	on-site/in-person
In group	Yes
Scope	20.00 Minute(s)
Contribution to final grade	80 %
Electronic	no
Examination/assessment 2	
Art	oral examination/assessment
Format	performance

Time	during the semester/block week
Exam location	on-site/in-person
In group	No
Contribution to final grade	20 %
Electronic	no

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