

<b>Module code</b>	SEL508	<b>Level</b>	5
<b>Module title</b>	Financial Innovation and Technology	<b>Credit value</b>	10
<b>Common/Core/ Elective</b>	Elective	<b>ECTS Credits</b>	5
		<b>Notional learning hours</b>	100
<b>Courses on which the module is taught</b>	All	<b>Teaching Period</b>	Autumn/ Spring

### 1. Module description

This module will be of interest to those who are curious to explore fintech and new technologies that are disrupting the financial service industry. You will explore business models, products, applications, and user interfaces. You will gain an overview of artificial intelligence and machine learning, blockchain technology and open APIs. You will also understand the competitive landscape, and how start up, big finance and big tech companies interrelate.

In this module, you will gain critical reasoning skills by reflecting on and understanding the lessons behind fintech companies, and by strategically analysing business and technology.

### 2. Learning outcomes

*Upon successful completion of this module you will be able to:*

#### **Professional Development (MLO 03)**

Develop a business and operating plan for a fintech start-up, helpful for entrepreneurship, fundraising, and investment activities.

#### **Decision-making (MLO 04)**

Formulate informed decisions on setting up and evaluating a fintech idea or company using critical thinking.

#### **Digital Data and Tools (MLO 06)**

Analyse and use digital fintech solutions and data responsibly in the context of designing new ventures.

### 3. Learning and teaching methods

Classes approach the learning of Fintech in an active way: you are at the centre with your participation and dynamic engagement.

Each week you will participate in a variety of activities, such as individual and collaborative work, theoretical and practical explanations, discussion of case studies, analysis of real-life, as well as toy, examples.

Among the range of learning and teaching methods to facilitate the understanding of financial innovation and technology and its investment environment there is a role-playing

exercise within the context of the assessment. Each student will have to allocate a made-up amount of dollars to the fintech ideas/startups presented by the groups for their assessment. The final result will allow the groups to appreciate, among other things, the complexity and stress behind fundraising.

Learning hours	
Directed learning	36 hours
Workshops/classes	36
Guided/Self-guided learning	64 hours
Total	100

#### 4. Assessment, formative feedback and relative weightings

##### Assessment: Presentation (Group Assessment)

**Weight (%):** 100

**Word Count or Equivalent:** 10-15 minutes

In small groups, you will prepare a pitch presentation to prospective investors to convince them to invest in your company (fundraising objective). The group will prepare a presentation, which will then be delivered orally.

Each summative assessment will be preceded by an opportunity of formative assessment accompanied by formative feedback

Mapping of assessment tasks for the module								
Assessment tasks	MLO3	MLO4	MLO6					
Presentation	x	x	X					

#### 5. Indicative resources

“The FINTECH Book: The Financial Technology Handbook for Investors, Entrepreneurs and Visionaries”, 2016, Susan Chishti and Janos Barberis

“The Future of Finance: The Impact of FinTech, AI, and Crypto on Financial Services”, 2019, Henri Arslanian and Fabrice Fischer

##### Journals

Journal of Fintech <https://www.worldscientific.com/worldscinet/jft>