



Financial Technology and digital innovation to modernise and develop curricula of Vietnamese and Philippines Universities

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MASTER IN FINTECH AND DIGITAL INNOVATION - MODULE SYLLABUS -



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1. Module details

Module Title	DIGITAL AND OPEN BANKING
Credits	
Hours	45h
N° of hours in presence	15h
N° of hours in distance learning	<i>At least 15</i>
Name of the leading institution	USGM

2. Module description

This module aims at developing students' understanding of banking industry evolution at global level. The module investigates how digital transformation is modifying banking industry worldwide.

More specifically, the module deepens some of the key functions of modern banks – with a special focus on commercial banking – and analyse how technological revolution is modifying key products and services offered by banks, how distribution channels are affected and how banks' business model is changing.

Furthermore, the interaction among banks and other providers of financial services is explored. In addition to that, the module covers how the global regulatory framework is reacting as a consequence of technological revolution as well as the impact of the above-mentioned changes on risk management, compliance and AML approaches.

Last, this module covers the impact of digital and open banking on the financial industries and the economic systems of emerging countries.

3. Learning Outcomes

The course overall learning outcomes are:

Knowledge and Understanding:

- a. The course will strengthen the theoretical and methodological foundations of digital

- and open banking for careful analyses and evaluations of the perspectives of banking industry, in a globalized context. It will offer also practical tools to manage real opportunities and problems, with relevant financial impacts, in the field of global banking, payment industry and investments.
- b. Students are expected to demonstrate an in-depth understanding of core concepts of digital and open banking (products and services, distribution channels, costs, business models, impact on emerging economies).
 - c. Students are expected to acquire the ability to collect and interpret real financial data in order to deal with banking decisions, risk analysis, financial regulatory issues, and to discuss the impact of these technological changes on emerging economies.
 - d. The course will lead students to solve and manage real business cases at banking levels.

Application and Problem-Solving Abilities:

Students will be able:

- a. to assess the role of the financial manager and the impact of his decisions on banks value creation process;
- b. to apply investment decision-making techniques, within different scenarios and uncertainty;
- c. to apply the main analytical tools, functions and online resources for business and financial modeling
- d. to apply an integrated understanding of markets and firms dynamics, in the context of technology-based finance
- e. to plan and execute significant research and development projects of financial management.

4. Module knowledge, skills and competencies (EQF*)

Students will acquire the knowledge and analysis tools that will allow them to deal with financial problems in a complex and dynamic context. Students will acquire the practical knowledge to act as Chief Financial Officer in domestic or multination firms. They will be able to develop discernment skills of the various problems relating to investments and the acquisition of financial resources by companies following strictly financial logics. Moreover, at the end of this course, the student will be able to (*<https://europa.eu/europass/en/european-qualifications-framework-eqf>) :

- Memorize and describe theories and tools of Advanced Corporate Finance;
- Identify the main problems and questions of global financial management;
- Apply methods and models of Financial Theory in the corporate problem-solving and decision-making processes;
- Classify, analyze, interpret, and predict the behaviour of the main financial variables of an international context;
- Design future competitive scenarios and hypothesize financial strategies and policies for

- domestic and multinational companies;
- Evaluate convenience and profitability of investment, financial and risk policies, estimating their impact on the firm value.

Communications Skills

The enhancement of written and oral communication skills will be encouraged by participation in business cases' analysis during the course. The communication skills will in particular be oriented to the critical analysis and solution of financial management problems within the company in different economic and business contexts, as well as to the development of active and critical comparisons with respect to the business issues addressed.

5. Module lessons

Lesson N.	1
Lesson title	Introduction to Digital and Open Banking
Duration	1h
Specific objectives	The lesson illustrates the most relevant technological changes which are affecting banking industry worldwide as well as the main consequences on traditional banks.
Topics	FinTech, commercial banking, retail banking.
In presence activity	
Distance learning type of learning object /task	<ul style="list-style-type: none"> • Audio/Video Lesson • Lecture note • Self-evaluation test
Other supporting material	Data on banking industry evolution.

Lesson N.	2
Lesson title	How FinTech is affecting the payment industry
Duration	1h

Specific objectives	The lesson deepens how new technologies and different intermediaries are affecting banks' position within payment industry. Practical cases are presented.
Topics	Payment industry, payment facilities, impacts on banks.
In presence activity	
Distance learning type of learning object /task	<ul style="list-style-type: none"> • Audio/Video Lesson • Virtual classroom/ web-streaming conference • Lecture note • Self-evaluation test
Other supporting material	

Lesson N.	3
Lesson title	How FinTech is affecting asset management industry
Duration	1h
Specific objectives	The lesson investigates how FinTech is affecting asset management industry, in a global perspective, as well as the performance of asset management industry and the business models adopted by banks.
Topics	Asset management, analysis of new technologies for asset management (i.e., robo advising)
In presence activity	
Distance learning type of learning object /task	<ul style="list-style-type: none"> • Audio/Video Lesson • Virtual classroom/ web-streaming conference • Lecture note • Self-evaluation test

Other supporting material	
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Lesson N.	4
Lesson title	How FinTech is Affecting Lending Function
Duration	1h
Specific objectives	This lecture investigates how FinTech is affecting lending strategies and business models. Practical cases.
Topics	Lending business, artificial intelligence, changes in business models.
In presence activity	
Distance learning type of learning object /task	<ul style="list-style-type: none"> • Audio/Video Lesson • Virtual classroom/ web-streaming conference • Lecture note • Self-evaluation test
Other supporting material	

Lesson N.	5
Lesson title	FinTech and Risk Management
Duration	1h
Specific objectives	This lecture covers how FinTech is affecting risk management function (i.e., how different risks are affected by technology).
Topics	
In presence activity	
Distance learning type of learning object /task	<ul style="list-style-type: none"> • Audio/Video Lesson • Virtual classroom/ web-streaming conference • Lecture note • Self-evaluation test

Other supporting material	
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Lesson N.	6
Lesson title	Fin Tech, Regulation and Supervision
Duration	1h
Specific objectives	This lecture analyses how regulation is changing in order to allow technology to become part of banking business.
Topics	
In presence activity	
Distance learning type of learning object /task	<ul style="list-style-type: none"> • Audio/Video Lesson • Virtual classroom/ web-streaming conference • Lecture note • Self-evaluation test
Other supporting material	

Lesson N.	7
Lesson title	New technologies and banks' costs.
Duration	1h
Specific objectives	This lecture investigates how new technologies are modifying banks' costs. It covers costs of technology, human resources and the interaction with choices on the distribution channels.
Topics	
In presence activity	
Distance learning type of learning object /task	<ul style="list-style-type: none"> • Audio/Video Lesson • Virtual classroom/ web-streaming conference • Lecture note • Self-evaluation test

Other supporting material	
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Lesson N.	8
Lesson title	FinTech & Banks' business models
Duration	1h
Specific objectives	This lecture investigates how banks' business models are more and more affected by the technological revolution.
Topics	
In presence activity	
Distance learning type of learning object /task	<ul style="list-style-type: none"> • Audio/Video Lesson • Virtual classroom/ web-streaming conference • Lecture note • Self-evaluation test
Other supporting material	

Lesson N.	9
Lesson title	A Case Study of a FinTech Company
Duration	1h
Specific objectives	This seminar will be prepared by the CEO of a FinTech company which offers payment facilities.
Topics	
In presence activity	
Distance learning type of learning object /task	<ul style="list-style-type: none"> • Audio/Video Lesson • Virtual classroom/ web-streaming conference • Seminar note • Self-evaluation test
Other supporting material	

Lesson N.	10
Lesson title	Digital Banking: Where the Market is Going
Duration	1h
Specific objectives	
Topics	This lecture analyses the most relevant trends in digital banking industry, in a global perspective.
In presence activity	
Distance learning type of learning object /task	<ul style="list-style-type: none"> • Audio/Video Lesson • Virtual classroom/ web-streaming conference • Lecture note • Self-evaluation test
Other supporting material	

Lesson N.	11
Lesson title	Digital Banking in Emerging Economies
Duration	1h
Specific objectives	
Topics	This lecture analyses how digital banking is affecting the financial system, the economy and the society in emerging economies.
In presence activity	
Distance learning type of learning object /task	<ul style="list-style-type: none"> • Audio/Video Lesson • Virtual classroom/ web-streaming conference • Lecture note • Self-evaluation test
Other supporting material	