

Course title: **International Financial Technologies**

Studies: International Business

Course description form (syllabus form)

General data						
Cycle of studies	2024-2027					
Organizational unit	Faculty of Economic Sciences					
Studies	International Business, first-cycle studies					
The profile of education	general academic					
Semester	06					
Mode of studies	full-time					
Type of course	Lecture	Practical session	Laboratory	Conversatorium	Seminar	Project
Number of hours	15	-	30	-	-	-
Number of ECTS	4					
Examination	Graded credit					
Language	English					
Content author	Karolina Smętek, Msc					
Course objectives						
The aim of the course is to familiarize students with knowledge of the use of new technologies in finance from an international perspective. In particular, issues related to the essence of new technologies in finance, types of FinTechs dedicated to various financial sectors and the benefits of using them will be discussed.						
Prerequisites						
Basic knowledge of finance.						
Student workload						
1. Class sessions - 45 hours 2. Reading literature for classes - 14 hours 3. Preparing for classes – 14 hours 4. Project – 15 hours 5. Consultations – 2 hours 6. Exam/Assessment preparation - 15 hours TOTAL: 100 hours (4 ECTS)						
Short description						
Introduction to New Technologies in Finance. History of New Technologies in Finance. Legal Standards regulating New Technologies in Finance. Types of New Technologies in Finance - general presentation. New Financial Technologies in household and business finances. New Financial Technologies in the banking sector. New Financial Technologies in the insurance sector. New Financial Technologies in the stock market sector. Examples of Financial Technologies from an international perspective - similarities and differences. The future of New Technologies in Finance in the era of dynamic economic changes in the global perspective.						
Learning outcomes						
KNOWLEDGE: W01. Participants have advanced knowledge of new technologies used in the financial sector (IB1_W01). W02. Participants have advanced knowledge about the impact of new technologies in finance on the functioning of enterprises and other international institutions (IB1_W02). W03. Participants know and understand technological solutions enabling the collection and analysis of data used by financial sector entities on an international scale (IB1_W04). SKILLS: U01. Participants are able to identify, plan and analyze complex financial processes of financial sector enterprises, taking into account new technologies (IB1_U01). U02. Participants are able to appropriately select and interpret the use of new technologies in financial sector enterprises on the domestic and foreign markets (IB1_U02). U03. Participants are able to plan and organize individual and team work, as well as discuss and cooperate in an interdisciplinary team in analyzing the possibilities of using new technologies in the finance sector from an international perspective (IB1_U04). COMPETENCIES: K01. Participants are ready to critically evaluate their knowledge and received content in the area of the use of new technologies in finance (IB1_K01). K02. Participants are ready to prepare, implement and take responsibility for international business and social projects, including the implementation of new technologies in the field of operations of financial enterprises (IB1_K02). K03. Participants are ready to think in an entrepreneurial way and to work at various levels in financial institutions and organizations on the domestic and international markets (IB1_K03).						
Form of verification						
Conversatorium: Graded Credit - a project concerning on new technologies in finance in the selected EU country. Lecture: Graded Credit - Single choice test.						
Detailed data						
Type of course: Lecture						
Bibliography						

Bibliography:	
1. Gupta P., Tham T.M., Fintech. The New DNA of Financial Services, De Press, 2018 (https://books.google.pl/books?id=u0eHDwAAQBAJ&printsec=frontcover&hl=pl&source=gbs_ge_summary_r&cad=0#v=onepage&q&f=false).	
2. Marszk A., Lechman E., The Digital Disruption of Financial Services. International Perspectives, Taylor & Francis, 2021.	
3. Marszk A., Lechman E., The Digitalization of Financial Markets. The Socioeconomic Impact of Financial Technologies, Taylor & Francis, 2021.	
Supplementary:	
1. Martino P., Blockchain and Banking. How Technological Innovations Are Shaping the Banking Industry, Springer International Publishing, 2021.	
2. Phadke S., FinTech Future. The Digital DNA of Finance, SAGE Publications India Pvt Limited, 2020.	
3. Arjuwadkar P.Y., FinTech. The Technology Driving Disruption in the Financial Services Industry, CRC Press, 2018.	
Range of content	
1.	Introduction to New Technologies in Finance.
2.	History of New Technologies in Finance.
3.	Legal Standards regulating New Technologies in Finance.
4.	Types of New Technologies in Finance - general presentation.
5.	New Financial Technologies in household and business finances.
6.	New Financial Technologies in the banking sector.
7.	New Financial Technologies in the insurance sector.
8.	New Financial Technologies in the stock market sector.
9.	Examples of Financial Technologies from an international perspective - similarities and differences.
10.	The future of New Technologies in Finance in the era of dynamic economic changes in the global perspective.
Didactic methods	
1.	Lecture with multimedia presentation
2.	Discussion
3.	Literature study
Assessment methods and assessment criteria	
Grated Credit - Single choice test questions regarding the material discussed during classes.	
Grading scale:	
60% - rating 3.0	
70% - 3.5	
80% - 4.0	
90% - 4.5	
95% - 5.0	

Detailed data	
Type of course: Laboratory	
Bibliography	
Bibliography:	
1. Gupta P., Tham T.M., Fintech. The New DNA of Financial Services, De Press, 2018. (https://books.google.pl/books?id=u0eHDwAAQBAJ&printsec=frontcover&hl=pl&source=gbs_ge_summary_r&cad=0#v=onepage&q&f=false).	
2. Marszk A., Lechman E., The Digital Disruption of Financial Services. International Perspectives, Taylor & Francis, 2021.	
3. Marszk A., Lechman E., The Digitalization of Financial Markets. The Socioeconomic Impact of Financial Technologies, Taylor & Francis, 2021.	
Supplementary:	
1. Martino P., Blockchain and Banking. How Technological Innovations Are Shaping the Banking Industry, Springer International Publishing, 2021.	
2. Phadke S., FinTech Future. The Digital DNA of Finance, SAGE Publications India Pvt Limited, 2020.	
3. Arjuwadkar P.Y., FinTech. The Technology Driving Disruption in the Financial Services Industry, CRC Press, 2018.	
Range of content	
1.	Introduction to New Technologies in Finance. Discussion of the rules of passing.
2.	Legal Standards regulating New Technologies in Finance.
3.	Types of New Technologies in Finance - general presentation.
4.	New Financial Technologies in household and business finances.
5.	New Financial Technologies in the banking sector.
6.	New Financial Technologies in the insurance sector.
7.	New Financial Technologies in the stock market sector.
8.	Examples of Financial Technologies from an international perspective - similarities and differences.
9.	Opportunities and threats resulting from new technologies in finance.
10.	Presentation of final projects
Didactic methods	
1.	Project
2.	Discussion
3.	Literature study
Assessment methods and assessment criteria	

Conversatorium: Graded Credit - a project concerning on new technologies in finance in the selected EU country.

As part of the project, students collectively select one country belonging to the European Union.

In its project, the group's task is to demonstrate the types of new technologies used in finance for various sectors (number, pace of implementation of new technologies, changes over the years, impact of their use, own assessment).

Grading scale:

5.0 - the project fully meets the criteria

4.5 - the project contains minimal errors that do not affect the substantive dimension of the work

4.0 - the project contains several errors that do not affect the content of the work

3.5 - the project contains several errors, some of which affect the substantive quality of the work.

3.0 - the project is on topic, but contains a large number of errors, several of which significantly affect the content of the work.

2.0 - the project is factually incorrect/off-topic.