

## COURSE DESCRIPTION CARD

NOTE: If the course includes lectures and classes, the Course Description Card applies to both types of instruction.

**1. Course title:**

FinTech: Finance Industry Transformation  
FinTech: transformacja branży finansowej

**2. Course code:**

Number of ECTS credits: 3  
Course completion mode: Z  
Course commenced /Year 2023/24

**3. Major: Finance and Accounting for Business**

**4. Department of major coordinator: Banking and Financial Markets**

**5. Name of course instructor:**

Lecture dr Krystyna Mitrega-Niestrój,  
Examiner dr Krystyna Mitrega-Niestrój

**6. Department of course instructor: Banking and Financial Markets**

**7. Number of contact hours with students:**

Type of instruction	Full-time study	Part-time study
lectures	15	9
classes	-	-
foreign language classes	-	-
lab classes	-	-
seminars	-	-
e-learning	-	-
other	-	-
<b>Total hours</b>	<b>15</b>	<b>9</b>
examination (hours)	-	-

**8. Course timeframe - no. of semesters: 1**

Course commencement / Year 1

Course commencement / Semester 2

**9. Level of tertiary education: II**

**10. Course status**

- Compulsory for the major-  
 Compulsory for the specialization -  
 Elective

**11. Course prerequisites**

Compulsory: -  
Recommended: -

**12. Course objectives:**

The main aim is to familiarise students with the functioning of the FinTech industry, the factors facilitating its development as well as its importance to the traditional financial sector. The practical knowledge is intended to help students understand the specifics of FinTech entities, learn about their areas of activity, technologies used, as well as opportunities and threats related to the development of this industry and the future of financial services.

**13. Teaching and learning methods:****A. Direct student-instructor contact:**

No.	Teaching methods	Description	Number of hours	
			Full-time study	Part-time study
1.	Active lecture with using of the multimedia technology	Lecture activating students	6	3
2.	Presentations	Presentations concerning technology	5	2
3.	Case study analysis	Case study concerning Fintech entities	2	2
4.	Discussion	Discussion concerning lecture's topics	2	2
Total			AS: 15	AN: 9

**B. Self-study:**

No.	Learning methods	Description	Number of hours	
			Full-time study	Part-time study
1.	Work on a case study	Preparation and analysis of case studies in teams	20	20
2.	Preparation of presentation	Preparation of presentations in teams	20	20
3.	Analysis of the source materials and lecture notes	Lecturer's materials and materials indicated by the lecturer	20	26
Total			BS: 60	BN:66

Total AS+BS = 75

Examination (E) = -

Total AS+BS+E= 75

Total AN+BN = 75

Examination (E) = -

Total AN+BN+E = 75

**14. Key words: FinTech, financial system, technology, financial services****15. Course content:**

1. FinTech - concept, genesis, evolution. Fintech and other "Techs". Embedded finance.
2. FinTechs versus the traditional financial sector. FinTech - challenger banks - neobanks.
3. Drivers of FinTech development.
4. Technologies used by the FinTech industry.
5. Areas of FinTech activity (payments, financing, insurance, asset management, others).
6. The future of FinTech - opportunities and threats. The future of financial services.

**16. Course learning outcomes as related to the learning outcomes of the major and methods for assessing student attainment**

Intended learning outcomes of the major / Symbols	Intended learning outcomes of the course	Methods for assessing student learning outcomes	Documentation
<u>Knowledge</u>			
FAB2_W01#	Student gains an in-depth knowledge and understanding of the problems of the FinTech industry and its significance for the development of financial services in the national and international context.	Test	Test document
FAB2_W02#	The student knows and understands the main determinants of change conducive to the development of FinTech on a national and international scale.	Test	Test document
FAB2_W03#	The student knows and understands the fundamental dilemmas and challenges of today's financial sector and the implications of the development of the FinTech industry for its future, also from an international perspective.	Test	Test document
<u>Skills</u>			
FAB2_U04#	The student has language skills at B2+ level of the Common European Framework of Reference for Languages in finance and accounting, in English - in oral interaction, speaking, reading, listening and writing	Test, presentations, case studies	Test, presentations, case studies documentation
FAB2_U05#	The student is able to manage a team, cooperate with its members, including in an international environment, and act as a leader when preparing presentations and case studies.	Presentations, case studies	Presentations, case studies documentation
<u>Social competences</u>			
FAB2_K01#	The student is ready to critically evaluate the information obtained and the knowledge possessed concerning the functioning of the FinTech industry, also from an international perspective.	Discussion	Lecturer's notes

**17. Method for determining the final course grade:**

No.	Methods for awarding credits and course completion requirements	Description	Percentage of the final course grade*
1	Test	Test questions (single-choice), open questions	50%
2	Case study analysis	Preparation and analysis of a case study of the FinTech entities (in teams)	30%
3	Presenatation	Preparing presentations on the technology used in the FinTech industry (in teams)	20%

\* If students are required to obtain both a class grade and an exam grade, the class grade constitutes at least 30% of the final course grade.

## **18. Reading list**

### Mandatory readings:

1. Materials provided by the teacher.
2. Materials available on the Internet including studies and case studies.

### Suggested readings:

1. Douglas Arner, János Barberis, Ross Buckley: The Evolution of FinTech: A New Post-Crisis Paradigm?. Wyd. University of Hong Kong Faculty of Law Research Paper No. 2015/047.
2. FinTech: Overview of Innovative Financial Technology and Selected Policy Issues. Congressional Research Service, 2020.
3. World Economic Forum, Deloitte: The Future of Financial Services. Final Report. 2015.
4. Monika Klimontowicz, Krystyna Mitreğa-Niestój: FinTechs as alternative financial market players (in:) European Financial Systems 2019. Proceedings of the 16th International Scientific Conference, ed. Josef Nesleha, Lukas Marek, Miroslav Svoboda, Zuzana Rakovska. Wyd. Masaryk University, Brno, 2019.
5. Monika Klimontowicz, Krystyna Mitreğa-Niestój: The role of BankTechs in developing mobile payments in Poland the case of BLIK (in:) Financial Management of Firms and Financial Institutions. 12th International Scientific Conference. Proceedings, ed. Miroslav Culik. Wyd. VSB - Technical University of Ostrava, Ostrava, 2019.

## **19. Language of instruction: English**

## **20. Course instructors' recommendations: multimedia classroom**