GDAŃSK UNIVERSITY OF TECHNOLOGY

Subject card

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|---|---|---|---|
| Subject name and code | MODERN BANKING, PG_00058587 | | |
| Field of study | Economic Analytics | | |
| Date of commencement of studies | October 2024 | Academic year of realisation of subject | 2026/2027 |
| Education level | first-cycle studies | Subject group | Obligatory subject group in the field of study<br>Subject group related to scientific research in the field of study |
| Mode of study | Part-time studies | Mode of delivery | at the university |
| Year of study | 3 | Language of instruction | Polish |
| Semester of study | 5 | ECTS credits | 3.0 |
| Learning profile | general academic profile | Assessment form | assessment |
| Conducting unit | Department of Finance -> Faculty of Management and Economics -> Faculties of Gdańsk University of Technology | | |
| Name and surname of lecturer (lecturers) | Subject supervisor | dr Katarzyna Kubiszewska | |
| | Teachers | dr hab. Oleksandr Melnychenko | |

**Lesson types**

| Lesson type | Lecture | Tutorial | Laboratory | Project | Seminar | SUM |
|---|---|---|---|---|---|---|
| Number of study hours | 8.0 | 16.0 | 0.0 | 0.0 | 0.0 | 24 |

E-learning hours included: 0.0

eNauczanie source addresses:
Moodle ID: 6781 WSPÓŁCZESNA BANKOWOŚĆ
https://enauczanie.pg.edu.pl/2025/course/view.php?id=6781

**Learning activity and number of study hours**

| Learning activity | Participation in didactic classes included in study plan | Participation in consultation hours | Self-study | SUM |
|---|---|---|---|---|
| Number of study hours | 24 | 5.0 | 46.0 | 75 |

**Subject objectives**

Preparing students to analyze and evaluate the operations of banks and banking systems based on knowledge of economics and finance, while fostering responsible decision-making and the development of innovative solutions in the context of contemporary banking challenges.

**Learning outcomes**

| Course outcome | Subject outcome | Method of verification |
|---|---|---|
| [K6_W07] Knows professional methods for analyzing economic, financial, and social phenomena, taking into account economic, legal, and ethical considerations in an advanced manner | knows and understands professional methods for analyzing economic, financial, and social phenomena in the context of processes occurring within banks and banking systems | [SW2] Assessment of knowledge contained in presentation |
| [K6_U05] Designs innovative solutions to challenging problems by applying knowledge from the field of economic analytics, achieving economically and socially valuable outcomes. | can design innovative solutions to problems arising in banking operations by applying economic and financial analysis methods to assess the functioning of banks and banking systems | [SU1] Assessment of task fulfilment |

## Subject contents

Course content – lecture

1. The contemporary financial system, including the banking system in Poland and other countries.
2. Central banking: the role of the central bank, tools and instruments of influence.
3. Types of banks, banking activities and operations.
4. Bank financial statements.
5. Financial market supervision.
6. Risk in bank operations.
7. Settlement operations and means of payment.
8. Bank intermediation in the capital market.
9. Money laundering, AML, KYC.
10. The role of banks in the modern economy.
11. Information security in banking.
12. Behavioral banking.
13. Fintech, Open banking.
14. AI in banking. Robo-consulting.
15. Contemporary business challenges for banks. Green banking.

Course content – exercises

1. Contemporary Architecture of the Financial and Banking System in Poland and Around the World
2. Central Banking: Central Bank Functions and Monetary Policy Instruments
3. Bank Typology and Basic Banking Activities and Operations
4. Bank Financial Reporting and Analysis of Basic Financial Information
5. Institutional System of Financial Market Supervision
6. Risk in Banking: Types, Sources, and Management Methods
7. Settlement Systems, Payment Instruments, and Modern Payment Methods
8. The Role of Banks in Capital Market Intermediation
9. Combating Money Laundering and Terrorist Financing: AML and KYC in Banking
10. The Importance of Banks for the Functioning of the Modern Economy
11. Cybersecurity and Information Protection in Banking
12. Behavioral Banking: The Impact of Customer Behavior on Financial Decisions
13. Fintech and Open Banking as Directions for the Transformation of the Banking Sector
14. Artificial Intelligence and Robo-Advisory in Banking Services
15. Contemporary Strategic Challenges for Banks, Including the Development of Green Banking

## Prerequisites and co-requisites

## Assessment methods and criteria

| Subject passing criteria | Passing threshold | Percentage of the final grade |
|---|---|---|
| Group project (1) | 60.0% | 35.0% |
| Group project (2) | 60.0% | 35.0% |
| Written test with open-ended questions | 60.0% | 30.0% |

## Recommended reading

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|---|---|
| Basic literature | Iwanicz-Drozdowska, M., Jaworski, W.L. (2017). Bankowość. Instytucje - operacje zarządzanie. Warszawa: Poltext.<br>Zaleska, M. (red.) (2019). Świat bankowości. Warszawa:Difin<br>Kosiński, B., Nowak, A.Z., Karkowska, R., Winkler-Drews, T., (2017). Podstawy współczesnej bankowości. Warszawa: PWE.<br>Świderska, J., Galbarczy,k T., Klimontowicz, M., Marczyńska, K. (2016). Bank komercyjny w Polsce. Podręcznik akademicki. Warszawa: Wydawnictwo Difin.<br>Zaleska, M. (red.) (2021). Wpływ COVID-19 na finanse. Polska perspektywa. Warszawa: Difin.<br>Zaleska, M. (red.) (2016). Bankowość bez tajemnic. Warszawa: Difin.<br>Gostomski E. i in. (2017). Przewodnik bankiera. Vademecum wiedzy o bankowości. Poznań: BODiE.<br>Kaleśnik, J. (red.) (2016). Bankowość detaliczna. Warszawa: Difin.<br>Grzywacz, J. (2016). Bankowość elektroniczna w przedsiębiorstwie. Warszawa: SGH. |
| Supplementary literature | Hubbard, R. G., O'Brien, A.P. (2014). Money, Banking, and the Financial System, 2nd Edition, Pearson Education Limited, Harlow England.<br>Wiatr, M.S. (2015). Bankowość korporacyjna, wydanie II. Warszawa: Difin.<br>Zaleska, M. (red.) (2013). Bankowość. Warszawa: Wydawnictwo C. H. Beck, Warszawa.<br>Zawadzka, P. (2017). Modele nadzoru rynku finansowego. Aspekty prawne, Warszawa:CeDeWu. |
| eResources addresses | |

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|---|---|
| Example issues/ example questions/ tasks being completed | How are Polish banknotes secured?<br>What is the organizational structure of the selected bank?<br>Please present a preliminary analysis of the bank's financial statements.<br>Please discuss the stages of banking system development in the selected country. |
| Practical activites within the subject | Not applicable |

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