



Game of Stocks

General data

Course code:	B19C13E
ECTS credits:	3
Type of the course:	General elective
Semester:	Spring
Course restrictions:	-
Course leader (with availabilities):	Ákos Tóth-Pajor toth-pajor.akos@tkk.pte.hu
Further lecturer(s) (with availabilities):	-

1. Description and aims

This module aims to examine theory and practice of equity investment. Game of Stocks is a virtual stock market competition with the purpose to promote financial literacy and self-care among the students of the University of Pécs, to connect students with future employers through networking events, and to develop them into exceptional analysts concerning equities. The course provide real world financial experience in the field of equity investment. Thus, it prepares students for the real world investment and analysis situations.

2. Intended Learning Outcomes (ILOs)

On completion of this module, the successful student will be able to:

1. Demonstrate high level of financial literacy (PILO1) ;
2. Develop investment strategies concerning equity investment, ESG investment and sustainable investment (PILO8);
3. Apply analytical methods for equity valuation (PILO3);
4. Judge the risks of an investment (PILO3).

This module will call for the successful student to demonstrate:

5. Model the fundamental value of an equity (PILO3);
6. Apply technical analysis to assess the performance of an equity (PILO3);
7. Criticise the applicability of the different investment strategies (PILO4).



3. Content, schedule

- Money management
- Psychology of trading
- Fundamental analysis
- Technical analysis
- Asset pricing
- Mathematical applications in finance
- Day trading
- Algorithm trading
- Strategies for equity investment
- ESG investment, sustainable investment
- Risk management

4. Learning and teaching strategy, methodology

In every week, we organize guest lectures about one of the syllabus topics. We choose guest lecturers from the corporate partners of our university, but we also provide opportunity for the faculty members with similar research interest. Students have to take part in a stock market competition, which is organized on the MarketWatch Virtual Stock Exchange, where they can challenge themselves by developing their own investment strategy based on real time data.

The students participate at the weekly meetings, workshops and guest lectures, where they can acquire the crucial skillset needed to make their own investment decisions and they can discuss the results of their investment strategies. In one of the weekly meetings, students have to deliver a presentation about their investment decisions on the virtual stock exchange. After the presentation, we discuss the pros and cons of their decisions with them.

At the end of the semester, students have to write a report about their investment policy. On the last weekly meeting, we organize a “coursework surgery” to provide feedback about the drafts of their investment policy report. If the finalized report is not accepted, students have the opportunity to rewrite the report until the end of the exam period.

5. Assessment

Formative assessment elements:

- Feedback on the investment decisions made on the virtual stock exchange
- Review of the investment policy report drafts in a “coursework surgery”



Summative assessment elements:

Individual Assessment	100%	Group Assessment	0%
------------------------------	------	-------------------------	----

Name of the element	Weight	Type	Details	Retake opportunity	Req.*	Related CILOs
Individual presentations about investment decisions made on the virtual stock exchange	40%	Oral/Individual	Students have to deliver a 5-minute presentation about their investment decisions made on the virtual stock exchange, in which they describe the analytical methods they used to evaluate the equities and they outline their money management strategy	One retake opportunity	Yes	3,5,6
Individual 2500 word report	60%	Written/Individual	Students have to write a report about their investment policy, in which they describe the specific attributes of their investment policy (time horizon, levels of diversification, currency of settlements, etc.) and they evaluate their performance on the virtual stock exchange based on the absolute and risk-adjusted returns. In the report, students have to outline the psychological aspects of their decisions and they have to assess the risks involved in their investment policy. We notify students about the acceptance of the report in 3 days after the submission. If the report is not accepted, students have the opportunity to rewrite the report once after the rejection until the end of the exam period.	One retake opportunity	Yes	1,2,4,7

* Req.: Completion of the element is required to pass the course, irrespective of the performance in other elements.

AI policy

In accordance with the guidelines of the University of Pécs Faculty of Economics and Business Administration on the use of artificial intelligence, this course adopts position 2 regarding the use of AI. The use of AI tools is permitted, but only responsibly, under supervision, and in a manner that complements the students' own professional competence in solving the tasks detailed below.

The use of AI tools is permitted when preparing individual assignments. During the assessment, we evaluate students' independent knowledge, understanding of the material, and ability to apply it. The assistance provided by AI does not replace their own knowledge, so students bear full responsibility for the accuracy of the AI answers they use.

Finally, we would like to point out that the textbook is the intellectual property, while the additional teaching materials (slides, exercises) are the intellectual property of the University of Pécs. Uploading them in whole or in part to publicly available generative AI tools or any external database is prohibited, as it infringes intellectual property rights and may result in proceedings in accordance with the internal regulations of the University of Pécs and the relevant laws.



6. Learning materials

- Essential

Zvi Bodie, Alex Kane, Alan J. Marcus: "Investments", Sixth Edition, Irwin, 2005.

- Recommended

Warren E. Buffett: Berkshire Hathaway letters to shareholders 1965-2017

<http://www.berkshirehathaway.com/letters/letters.html>

Benjamin Graham: The intelligent investor

Peter L. Bernstein: Capital Ideas: The Improbable Origins of Modern Wall Street

Damodaran: Investment Valuation

Walter Isaacson: Steve Jobs

Seth Klarman: Margin of safety

Edwin Lefèvre: Reminiscences of a Stock Operator

Jack Schwager: Market Wizards series

Thomas J. Stanley és William D. Danko: The Millionaire Next Door

T. Harv Eker: Secrets of the Millionaire Mind

George Soros: Alchemy of Finance

7. Further information

International aspects embedded with the course
Case examples, case studies about the international financial markets Guest lectures from international faculty
Ethics, Responsibility & Sustainability (ERS) aspects embedded with the course
Case examples, case studies about ESG investment and sustainable investment Guest lectures about ESG finance and sustainable investment The course contributes to SDG 8 and SDG 4
Connections to the world of practice of the course
Talks from practioners during class