

Identification	Subject	FIN 420 – Investment Management – 3KU credits (6 ECTS)	
	Department	Economics and Management	
	Program	Undergraduate	
	Term	Fall, 2026	
	Instructor	Tural Ahmadli	
	Email	tural.ahmadli@khazar.org	
	Classroom/hours		
Prerequisites	FIN 310 Fundamentals Financial Management		
Language	English		
Compulsory/Elective	Compulsory		
Textbooks and course materials	Core textbook: <i>Investments – Bodie, Kane & Marcus 13th edition (2023)</i> Additional reading: <i>Supplementary notes – Will be provided during the lecture</i>		
Course outline	This course introduces students to the principles of investment management, focusing on the characteristics and valuation of major financial instruments, portfolio construction, risk and return analysis, and the basics of derivative securities. Emphasis is placed on developing a practical understanding of how investment decisions are made in financial markets.		
Course objectives	By the end of this course, students should: • Understand the structure and functioning of financial markets and investment vehicles. • Analyze risk and return characteristics of different asset classes. • Apply portfolio theory concepts, including diversification and CAPM. • Value fixed-income securities and equities using standard models. • Gain an introductory understanding of derivatives (forwards, futures, options, swaps) and their applications in hedging and speculation. • Develop skills to evaluate and construct investment portfolios. • Develop a foundational understanding of how Artificial Intelligence and data analytics transform modern investment decision-making.		
Learning outcomes	Upon successful completion of the course, students will be able to: • Identify different financial instruments and explain their role in investment management. • Compute measures of return, risk, and correlation to evaluate investments. • Apply CAPM to estimate expected returns and assess portfolio performance. • Value bonds using present value concepts and measure their sensitivity to interest rates. • Value stocks using dividend discount models and relative valuation metrics. • Explain the mechanics and payoffs of forwards, futures, options, and swaps at a conceptual level. • Use derivatives in simple strategies for risk management.		
Teaching methods	Case analysis/ Exercises/Assignments		X
	Group discussion		X
	Lecture		X
Evaluation Criteria	Methods	Date/deadlines	Percentage (%)
	Midterm Exam	TBA	30
	Attendance		5
	Activity		5
	Business case		10
	Quizzes	5 th Week and 14 th Week	10
	Final Exam	TBA	40
Total points		100	

Policy		Activity and attendance: Mark will be evaluated based on the participation discipline in the classes and how active you interact during the lecture. Students exceeding the 25% absence limit will not be allowed to participate at final exam. Use of AI – Permitted for partial use only. You may use it to better understand the topic, map out the structure, and brainstorm ideas for your group project. Quizzes: During the semester, students will be assigned to two written assignments. The assignments will be analytical in nature and will consist of open-ended questions and will require students to apply the theoretical knowledge and concepts taught. In addition, the assignments will include calculation questions. Business case – There will be 1 business case in order to combine theoretic concepts with real world cases. Students expect to make write-up as well as present results.	
Tentative Schedule			
Week	Date/Day	Topics	Textbook/Assignments
1		Introduction to Investment Environment	Ch. 1
2		Securities Markets and Trading High-Frequency & Algorithmic Trading	Ch. 2
3		Mutual Funds and Other Investment Companies Robo-Advisors & Automated Wealth Management	Ch.4
4		Risk, Return, and Historical Record	Ch. 5
5		Portfolio Theory Basics (Part I) Quiz 1	Ch. 6
6		Portfolio Theory Basics (Part II)	Ch.7
7		CAPM (Investor/Market Equilibrium) AI/ML Portfolio Optimisation	Ch. 9
8		Mid-term Exam	
9		Fixed-Income Securities (Bonds I – Pricing, Yields)	Ch. 14
10		Fixed-Income Securities (Bonds II – Interest Rates)	Ch. 15
11		Fixed-Income Securities (Bonds III – Bond Portfolio)	Ch. 16
12		Equity Valuation – Dividend Discount Model, P/E Ratios NLP & Sentiment Analysis in Stock Valuation	Ch. 18
13		Options Markets – Calls, Puts, Basic Strategies	Chs. 20-21
14		Future Markets Quiz 2	Chs. 22-23
15		Course Review	Revision
16		Final Exam	