



UNIVERSITETI / UNIVERSITY
"ISA BOLETINI"
MITROVICË

Course Curriculum Model (Syllabus)		
Faculty:	FACULTY OF MECHANICAL AND COMPUTER ENGINEERING	
Department:	Mechanical Engineering and Economics Engineering	
Study Program	MSc. in Manufacturing Technology and Management	
Level:	Master	
Code of the course:	113MTM	
Course:	Financial and Risk Management	
Course Status:	Elective	Mandatory/Elective
Semester:	II	Winter/Summer
Number of hours per week:	2+1	
ECTS:	5	
Time / location:	Thursday, 10 ⁰⁰ -11 ³⁰ , K-P 07	
Academic Year / Semester	2026/2027	
Language of Instruction:	Albanian (with flexibility in English)	
Lecturer:	Prof. Ass. Dr. Safet Abdullahu	
Assistant:		
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Course Description	This course addresses the concepts and techniques of financial management and risk management in modern organizations. Students will learn to analyze financial situations, measure and manage risks using financial instruments and insurance. The course integrates theory and practice in strategic finance and risk management.	
Course Purpose / Course Goals	- To provide students with knowledge of financial management and risk management. - To enable students to use financial instruments for risk control. - To develop decision-making skills under uncertainty.	
Course Objectives	Upon completion, students will be able to: - Understand fundamental concepts and theories of finance and risk. - Analyze financial statements and assess organizational financial health. - Develop financial plans and working capital strategies. - Apply derivatives and insurance for risk management. - Use financial models to measure and manage risks. - Make ethical and sustainable financial decisions.	

Intended Learning Outcomes (ILOs)	• Knowledge: ○ K1: Understands the fundamental concepts of finance and risk. ○ K2: Describes financial instruments for risk measurement and management. ○ K3: Analyzes the implications of financial decisions in organizations. • Skills: ○ S1: Analyzes financial statements. ○ S2: Measures risk using financial models. ○ S3: Uses derivatives and insurance for risk management. • Competences: ○ C1: Manages capital and organizational finance. ○ C2: Applies strategies for risk reduction. ○ C3: Makes ethical and sustainable financial decisions.

	Weeks	Lecture
Program	<i>First week</i>	1. Introduction to financial and risk management
	<i>Second week</i>	2. Financial analysis: key ratios
	<i>Third week</i>	3. Financial planning and budgeting
	<i>Fourth week</i>	4. Sources of financing
	<i>Fifth week</i>	5. Working capital management
	<i>Sixth week</i>	6. Long-term investments
	<i>Seventh week</i>	7. Concepts of risk in finance
	<i>Eighth week</i>	8. Identification of financial risks
	<i>Ninth week</i>	9. Risk measurement (VaR, statistical models)
	<i>Tenth week</i>	10. Financial risk management strategies
	<i>Eleventh week</i>	11. Derivative instruments (options, futures)
	<i>Twelfth week</i>	12. Insurance as a risk management tool
	<i>Thirteenth week</i>	13. Strategic risk management at organizational level
	<i>Fourteenth week</i>	14. Case study in financial and risk management
	<i>Fifteenth week</i>	15. Course review and exam

Literature / Reading List:	
Literature	Core Texts: - Brealey, R., Myers, S., & Allen, F. (2022). <i>Principles of Corporate Finance</i>. McGraw-Hill. - Saunders, A., & Allen, L. (2022). <i>Credit Risk Management</i>. Wiley. - Crouhy, M., Galai, D., & Mark, R. (2021). <i>Risk Management</i>. McGraw-Hill. Additional: - Hull, J. (2020). <i>Risk Management and Financial Institutions</i>. Wiley. - Fabozzi, F. (2020). <i>Handbook of Finance</i>. Wiley. Online: - CFA Institute – cfainstitute.org - Investopedia – investopedia.com - Wiley Online Library – Finance & Risk Management journals - ScienceDirect – finance and risk management research

Teaching and Learning Methods	Lectures, practical exercises, case studies, presentations, individual research work.			
	Contribution to student workload (which should correspond to student learning outcomes - 1 ECTS credit = 25 hours)			
	Activity	Hours	Days/weeks	Total
	Lectures	2	15	30
	Exercise sessions (with TA)	1	15	15
	Practical work	3	3	9
	Office hours	1	15	15
	Fieldwork	1	2	2
	Midterms, seminars	2	2	4
	Homework	2	5	10
	Self-study	4	3	12
	Final exam preparation	3	4	9
	Time spent in exams	2	2	4
	Projects, presentations, etc.	3	5	15
Total				125

Evaluation	Evaluation		
	- Participation and activities – 10% - Assignments / presentations – 30% - Final exam – 60%		
	(according to the Statute and Regulation for studies of UMIB)		
	Final grade	Points (%)	Mark
		91 – 100	10
		81 - 90	9

		71 - 80	8
		61 - 70	7
		51 - 60	6
Academic policies	• Attendance: Students must attend lectures and exercises regularly. Active participation is considered part of the final grade. • Academic Integrity: Plagiarism, cheating during exams, or manipulation of financial data is strictly prohibited and will be sanctioned according to university regulations. • Deadlines: All assignments and projects must be submitted within the given deadlines. Late submissions will be penalized. • Teamwork: Collaboration and responsibility sharing in group work is emphasized. Each member is responsible for their contribution. • Discussions and Communication: Students are expected to participate respectfully and professionally in discussions on finance and risk topics.		
	Ethics in teaching: Graphic works should be personal works of each student. There will be no tolerance for copying, "borrowing" from the Internet or any other material. The same or similar works will have negative evaluations in the final evaluation of the student. Time: In agreement with the students, the deadlines for submitting works will be determined. There will be no tolerance for delays in the submission of works. Failure to arrive at the time when the assignment is explained does not justify the student for not submitting the paper. The deadline will be given earlier. If you are going to travel abroad, then you need to submit the paperwork in advance. The student has the right to request a consultation with the professor whenever he / she deems it reasonable and necessary for the performance of his / her work. Rules of conduct and academic policies: • active participation of students in lectures o participation in discussion, comments and free expression of opinion, opinion and academic position (with arguments) • mandatory independent work and use of additional sources of information (various scientific websites, scientific journals, conference proceedings, etc.) • respecting lecture schedules without compromising academic freedom (silent cell phones) of respecting the word, thoughts and ideas of colleagues, • it is not allowed to arrive late and leave without a valid reason from the lecture, test or exam o preparation and holding of relevant lectures, (obligation of the teacher). • if the student is absent more than four times without reason in lectures and exercises, does not receive the signature for attendance. o the student cannot take the exam without an official document, • if the student is dissatisfied with the grade obtained, has the right to complain in writing to the dean, within two working days after the announcement of the results, UMIB Statute o if the student does not follow the rules, in the exam uses tools that are not allowed, it is evaluated with a negative grade. Plagiarism or cheating will be penalized according to university regulations.		

Prof. Ass. Dr. Safet Abdullahu