



FACULTY OF BUSINESS
MASTER OF SCIENCE IN FINANCE WITH DATA ANALYTICS
LEARNING MODULE OUTLINE

Academic Year	2023/2024	Semester	1
Module Code	FIDA6101-111/112		
Learning Module	Financial Markets and Institutions		
Pre-requisite(s)	Nil		
Medium of Instruction	English		
Credits	3	Contact Hours	45
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MODULE DESCRIPTION

This module studies the functions, pricing, and institutional structures of financial markets. Topics include determinants of interest rates, interest rates and securities valuation, securities markets such as money markets, bond markets, foreign exchange markets, commercial banks, other financial institutions such as insurance companies, securities firms, investment companies, and risk management in financial institutions.

MODULE INTENDED LEARNING OUTCOMES (ILOS)

On completion of this learning module, students will be able to:

M1.	Identify and evaluate the mechanics and regulation of interest rate, financial markets and institutions.
M2.	Identify types of risks incurred by financial institutions and evaluate their corresponding risk management
M3.	Explore the international integration of international financial markets and analyze the implications for financial managers.
M4.	Demonstrate good communication, numerical and analytical skills through project and assignment as well as classroom discussions for local and global current issues in financial markets and institutions.
M5.	Demonstrate good skills in time management, working with others and independent study.

These ILOs aims to enable students to attain the following Programme Intended Learning Outcomes (PILOs):

PILOs	M1	M2	M3	M4	M5
P1. Master critical knowledge of financial theories, financial models and data analytics in finance and apply it to a wide range of complex financial issues.	✓	✓	✓	✓	



P2. Expand knowledge of finance and data analytics through critically evaluating current issues informed by leading edge research and practice in the industry.			✓	✓	
P3. Conduct applied research, particularly using data analytics, into financial issues through a rigorous and systematic approach.					
P4. Communicate effectively, written and orally, to both professional and non-professional audiences on local and global financial issues.				✓	
P5. Demonstrate skills in time management, teamwork, leadership and independent study so that tasks can be planned and implemented at a professional level.					✓
P6. Identify and address ethical dilemmas and social responsibility issues to uphold high standards of integrity, professionalism and ethical behaviour.					

MODULE SCHEDULE, COVERAGE AND STUDY LOAD

Week	Content Coverage	Contact Hours
1	Determinants of Interest Rates	3
2	The Federal Reserve System, Monetary Policy, and Interest Rates	3
3	Money Markets and Bond Markets	3
4	Foreign Exchange Markets	3
5	Commercial Banks	3
6	Commercial Banks' Financial Statements and Analysis	3
7	Regulation of Commercial Banks	3
8	Insurance Companies	3
9	Securities Firms, Investment Banks and Investment Companies	3
10	Types of Risks Incurred by Financial Institutions	3
11	Managing Credit Risk on the Balance Sheet	3
12	Managing Liquidity Risk on the Balance Sheet	3
13	Managing Interest Rate Risk and Insolvency Risk on the Balance Sheet	3
14	Project Presentations	3
15	Final examination	3
	Total contact hours	45

TEACHING AND LEARNING ACTIVITIES

In this learning module, students will work towards attaining the ILOs through the following teaching and learning activities:



Teaching and Learning Activities	M1	M2	M3	M4	M5
T1. Interactive lectures	✓	✓	✓		
T2. In-class Exercises and quizzes	✓	✓	✓	✓	✓
T3. Assignments	✓	✓	✓	✓	✓
T4. Team project				✓	✓

ATTENDANCE

Attendance requirements are governed by the Academic Regulations Governing Master's Degree Programmes of the Macao Polytechnic University. Students who do not meet the attendance requirements for the learning module shall be awarded an 'F' grade.

ASSESSMENT

In this learning module, students are required to complete the following assessment activities:

Assessment Activities	Weighting (%)	ILOs to be Assessed
A1. Participation and in-class exercises	30%	M1/M2/M3/M4/M5
A2. Individual assignments	20%	M1/M2/M3/M4
A3. Team project	20%	M4/M5
A4. Final examination	30%	M1/M2/M3/M4/M5

The assessment will be conducted following the University's Assessment Strategy (see www.mpu.edu.mo/teaching_learning/en/assessment_strategy.php). Passing this learning module indicates that students will have attained the ILOs of this learning module and thus acquired its credits.

MARKING SCHEME (Assessment Rubrics)

	Assessment Tasks	Criteria	Excellent (A, A-)	Very Good, Good (B+, B, B-)	Satisfactory (C+, C, C-)	Pass (D+, D)	Fail (F)
			88-100	73 - 87	58 - 72	50 - 57	0 – 49
1.	Class Learning Activities	Demonstrate the understanding of the subjects covered in classes and show active learning attitude	High	Significant	Moderate	Basic	Not even reaching marginal levels
2.	Assignments	Demonstrate the ability to answer questions on topics covered in the outline	High	Significant	Moderate	Basic	Not even reaching marginal levels



3.	Team Project	Demonstrate the understanding of the subject and the arguments are articulated and organized in terms of verbal presentation and report writing	High	Significant	Moderate	Basic	Not even reaching marginal levels
4.	Final examination	Demonstrate the ability to identify and apply appropriate concepts, methods and techniques covered in classes	High	Significant	Moderate	Basic	Not even reaching marginal levels

REQUIRED READINGS

Anthony Saunders, Marcia Millon Cornett, Otgo Erhemjamts, 2022, ISE Financial Markets and Institutions, 8th Edition, McGraw Hill. (eBook + Connect)

REFERENCES

Reference book(s)

1. Jeff Madura, 2020, AE Financial Markets and Institutions, 13th Edition, Cengage.
2. Frederic S. Mishkin / Stanley Eakins, 2018, Financial Markets and Institutions, Global Edition 9/E, Pearson.
3. Christopher Viney, Peter Phillips, 2019, Financial Institutions, Instruments and Markets, 9th Edition, McGraw Hill.

Journal(s)

1. Journal of Finance
2. Review of Financial Studies
3. Journal of Financial Economics
4. Journal of Financial Intermediation

Website(s)

<https://www.stlouisfed.org/>

STUDENT FEEDBACK

At the end of every semester, students are invited to provide feedback on the learning module and the teaching arrangement through questionnaires. Your feedback is valuable for instructors to enhance the module and its delivery for future students. The instructor and programme coordinators will consider all feedback and respond with actions formally in the annual programme review.



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ACADEMIC INTEGRITY

The Macao Polytechnic University requires students to have full commitment to academic integrity when engaging in research and academic activities. Violations of academic integrity, which include but are not limited to plagiarism, collusion, fabrication or falsification, repeated use of assignments and cheating in examinations, are considered as serious academic offenses and may lead to disciplinary actions. Students should read the relevant regulations and guidelines in the Student Handbook which is distributed upon the admission into the University, a copy of which can also be found at www.mpu.edu.mo/student_handbook/.