FACULTY OF BUSINESS

MASTER OF SCIENCE IN FINANCE WITH DATA ANALYTICS

LEARNING MODULE OUTLINE

Academic Year	2025/2026	Semester	1
Module Code	FIDA6121-111/112		
Learning Module	Financial Statement Analysis and Business Ethical Standards		
Pre-requisite(s)	Nil		
Medium of Instruction	English		
Credits	3	Contact Hours	45
Instructor	Tian ShaoHua	Email	
Office	Meng Tak Building M523	Office Phone	8599-3314

MODULE DESCRIPTION

This course is designed to equip students with the insights and analytic techniques to critically analyze and interpret corporate financial reports and associated information from users' perspective in order to assess the "economic reality" of firms' financial status, operational results, risks and equity value.

This course will also provide students with an overview of business ethics and ethical management practices, with emphasis on the ethical responsibilities required of CFA Institute members. It is intended to demonstrate to the students how ethics can be integrated into business decisions and can be applied to their own careers.

MODULE INTENDED LEARNING OUTCOMES (ILOS)

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

M1.	Demonstrate reasonable level of knowledge regarding the regulatory and framework of financial reporting in global context, with emphasis in United States.
M2.	Analyze and explain the contents of a set of financial reports by using relevant financial analysis tools.
M3.	Apply relevant analytical tools in performing application analysis for sound financial and business decisions.
M4.	Evaluate practices, policies, and conduct relative to the CFA Institute Code of Ethics and Standards of Professional Conduct.
M5.	Demonstrate effective teamwork, communication and interpersonal skills and enhanced numerical skills and fluency in the use of Spreadsheet and PowerPoint.

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	Introduction to Financial Statement Analysis	3
2	Using Financial Statements	6
3	Alternative Data Sources	3
4	Financial Ratio Analysis	6
5	Accounting Quality and Working Capital Analysis	3
6	Evaluation of Noncurrent Assets and Liabilities	3
7	Analysis of Cash Flows	3
8	Forecasting Pro Forma Financial Statements	3
9	Code of Ethics and Standards of Professional Conduct	3
10	Excel and AI Tutorial	3
11	Project Presentations and Review	3
12	Quiz and Mid-term Test	3
13	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
TM1: Interactive lectures - Lectures: in-depth coverage of business ethics, financial framework and analysis tools are presented using power point slides and other additional illustration materials as necessary Q&A: time allowed to raise questions from both instructor and students	✓	✓	✓	✓	
TM2: In-class learning activities - Case studies: Students are expected to learn better using real-life examples. Therefore, case studies will be used as a teaching tool in the classroom so as to enhance student's learning experience. Formative Quizzes: students will be required to take short quizzes at the end of the class to review what they learn.	✓	✓	✓	✓	
TM3: Group Project and Presentation - Students are required to complete assigned questions and problems. Each student will be required to present in a group presentation and submit a written report of their presentation. Individual presentation skills will be assessed.					✓

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:

ILO No.	Description	Weighting (%)	Assessment Types
M1-M4	Quiz	5%	Formative assessment
M1-M5	Group Project	20%	Formative assessment
M1-M4	Mid-term Test	25%	Summative assessment
M1-M4	Final Examination	50%	Summative assessment
Total Percentage:		100.0%	

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

1. Robert Resutek. (2025). Financial Statement Analysis: A Data Analytics Approach, McGraw Hill.

REFERENCES

1. Robinson, T. R. (2020). International financial statement analysis, John Wiley & Sons.
2. Danny Leiwy & Robert Perks, Accounting, Understanding and Practice, 4th edition, McGraw-Hill.
3. Gibson, C.H., Financial Reporting and Analysis: Using Financial Accounting Information, 13th edition, South-Western Cengage Publishing Co.
4. Palepu, Bernard & Healy, Business Analysis & Valuation, 5th edition, International Thomson Publishing.
5. Penman, S., Financial Statement Analysis and Security Valuation, 5th Edition, McGraw Hill.
6. International Accounting Standard Board www.ifrs.org
7. Nelson Lam & Peter Lau, Intermediate Financial Reporting –An IFRS Perspective, 3rd edition

Website(s)

Code and Standards and Interpretive Guidance https://www.cfainstitute.org/en/ethics-standards/ethics/code-of-ethics-standards-of-conduct-guidance

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.

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/.