



**FACULTY OF BUSINESS
BACHELOR OF ACCOUNTING**

LEARNING MODULE OUTLINE

Academic Year	2025 / 2026	Semester	I
Module Code	FINA0130-411		
Learning Module	Portfolio Analysis		
Pre-requisite(s)	N/A		
Medium of Instruction	English		
Credits	3	Contact Hours	45hrs.
Instructor	Song Chen	Email	songchen@mpu.edu.mo
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MODULE DESCRIPTION

This course is an introductory course to investment and portfolio analysis. It will cover basic concepts of securities and securities markets. Through a discussion of the theoretical concepts, and demonstration of practical problems, students will be able to understand the rationale used by typical investors in applying portfolio management techniques to the investment environment. Topics include: Investment environment; modern portfolio theory; financial analysis; options; futures; investment management and portfolio performance evaluation.

MODULE INTENDED LEARNING OUTCOMES (ILOS)

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

M1.	Estimate the risk and return
M2.	Explain the theories related to capital allocation
M3.	Explain the theories related to diversification and portfolio
M4.	Explain the pricing theories
M5.	Explain the efficient market hypothesis and behavioral finance

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



Bachelor of Accounting

PILOs	M1	M2	M3	M4	M5
P1. Integrate the contemporary theories, principles of accounting and business disciplines relevant to general business practice.	✓	✓	✓	✓	✓
P2. Assess general business scenarios with mathematical and statistical skills.		✓	✓	✓	✓
P3. Apply critical thinking and logical analysis skills and techniques to solve business problems.		✓	✓	✓	✓
P4. Interpret and analyze accounting information for internal control, planning, performance evaluation, and coordination to continuously improve business process.					
P5. Apply accounting or business software for business analysis.					
P6. Develop queries to assess management information from database to improve efficiency and effectiveness.					
P7. Synthesize the latest requirement of international accounting and auditing standards in preparing financial statements and auditing reports.					
P8. Utilize appropriate written and spoken forms to communicate effectively with stakeholders in various cultural environment.					
P9. Recommend an appropriate course of action by ethically examining the economic, environmental, political, legal and regulatory contexts of global business practice.					
P10. Utilize the latest empirical findings and academic studies to support the recommendation of business projects.		✓	✓	✓	✓

MODULE SCHEDULE, COVERAGE AND STUDY LOAD

Week	Content Coverage	Contact Hours
1	Introduction to Investment	3 hrs.
2	Risk, Return, and the Historical Record	3 hrs.
3	Capital Allocation to Risky Assets	3 hrs.
4	Efficient Diversification and Index Models	3 hrs.
5	The Capital Asset Pricing Model	3 hrs.
6	Arbitrage Pricing Theory and Multifactor Models of Risk and Return	3 hrs.
7	Midterm Exam	3 hrs.
8	The Efficient Market Hypothesis	3 hrs.
9	Behavioural Finance and Technical Analysis	3 hrs.



10	Bond Prices and Yields	3 hrs.
11	The Term Structure of Interest Rates	3 hrs.
12	Macroeconomic and Industry Analysis	3 hrs.
13	Equity valuation models	3 hrs.
14	Financial statement analysis	3 hrs.
15	Final Exam	3 hrs.
	Total	45 hrs.

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
<i>Interactive lectures</i> - Lectures: in-depth coverage of principles of accounting is presented with PowerPoint slides and other supplementary materials if necessary - Q & As: time is allowed to raise questions from both sides (instructor and students)	✓	✓	✓	✓	✓
<i>In-class Exercises and quizzes</i> - In-class exercises will be discussed at the end of each lecture to ensure student understanding of the issues. - Quizzes: students will take some quizzes to motivate them to review what they have learned	✓	✓	✓	✓	✓
<i>Assignments</i> Students are required to complete assigned questions and problems. No late submission will be accepted.	✓	✓	✓	✓	✓

ATTENDANCE

Attendance requirements are governed by the “Academic Regulations Governing Bachelor’s Degree Programmes of Macao Polytechnic University”. Students who have less than the required attendance for the enrolled subject are not eligible to attend the final and re-sit examinations and will be given an “F” as their final grade.



ASSESSMENT

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

Assessment Activities	Weighting (%)	ILOs to be Assessed
Assignments	25%	✓
Mid-term test	25%	✓
Final Exam	50%	✓
Total:	100%	✓

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 Task	Criterion	Excellent (A, A-)	Very Good, Good (B+, B, B-)	Satisfactory (C+, C, C-)	Pass (D+, D)	Fail (F)
1.	Class Learning Activities (including participation, Q&A, quizzes)	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.	Mid-term test and Final examination	Demonstrate the ability to identify and apply appropriate concepts, methods and techniques	High	Significant	Moderate	Basic	Not even reaching marginal levels

REQUIRED READINGS

Module textbook:

Z. Bodie, A. Kane,& A. Marcus (2024), *Investments-13th edition*.

REFERENCES

Z. Bodie, A. Kane,& A. Marcus (2022), *Essentials of investments: 12th edition*.



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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/.