

**Macao Polytechnic Institute**  
**School of Applied Sciences**  
**Bachelor of Science in Computing**  
**Module Outline**  
**Academic Year 2021/2022 Semester 2**

Learning Module	Accounting		Class Code	MSEL110	
Pre-requisite(s)	Nil				
Medium of Instruction	English			Credit	3
Lecture Hours	45 hrs	Lab/Practice Hours	0 hrs	Total Hours	45 hrs
Instructor	Jovy Wong		E-mail	T1582@ipm.edu.mo	
Office	B201		Telephone	TBA	

### **Description**

This introductory module in accounting provides students with an understanding of: the principles of accrual accounting; financial statement analysis; double-entry systems; the accounting cycle; and basic managerial accounting concepts.

### **Learning Outcomes**

After completing the learning module, students will be able to:

1. Understand basic accounting concepts such as the matching principle, the accounting equation, and the accounting cycle. (SM2p)
2. Record journal entries in an accounting system. (SM2p)
3. Apply and compare various inventory cost methods. (SM2p)
4. Report stockholders' equity transactions in the financial statements. (SM2p)
5. Understand and analyze financial statements. (ET1p, EP6p)

### **Content**

1. What is Accounting? (3 hours)
  - 1.1. The conceptual framework of Accounting
  - 1.2. Financial vs. Managerial Accounting
2. Introduction to Financial Statements (6 hours)
  - 2.1. The Accounting Equation
  - 2.2. The Balance Sheet

- 2.3. The Income Statement
- 2.4. Cash Flow Statement
- 3. Recording Business Transactions (3 hours)
  - 3.1. Double-Entry Accounting
  - 3.2. Trial Balances and T-Accounts
- 4. Accrual Accounting (6 hours)
  - 4.1. Accrual vs. Cash Basis;
  - 4.2. The Adjustment Process
  - 4.3. Presentation requirements of Financial Statements
- 5. Cash and Receivables (3 hours)
  - 5.1. Recognition of Revenue
  - 5.2. Internal control of Cash
  - 5.3. Budgets and Cash Flow
- 6. Inventory, PPE, Intangibles, and Investments (6 hours)
  - 6.1. Inventory Costing Methods
  - 6.2. Types of Non-Current Assets
  - 6.3. Depreciation Methods
  - 6.4. Accounting for Intangible Assets
  - 6.5. Reporting Investments on the Balance Sheet
- 7. Liabilities (6 hours)
  - 7.1. Time Value of Money
  - 7.2. Current and Long-Term Liabilities
  - 7.3. Contingent Liabilities
  - 7.4. What are leases?
- 8. Shareholders' Equity (3 hours)
  - 8.1. Corporate Organization and Share Issuance
  - 8.2. Treasury Shares
  - 8.3. Retained Earnings, Dividends, and Stock Splits
- 9. Statement of Cash Flows (3 hours)
  - 9.1. Operating, Investing, and Financing Activities
  - 9.2. Direct vs. Indirect Method
  - 9.3. Analysis of Statement of Cash Flows
- 10. Financial Statement Analysis (6 hours)
  - 10.1. Horizontal Analysis; Trend Percentages
  - 10.2. Vertical Analysis
  - 10.3. Common-Size Statements

## 10.4. Financial Ratios

### **Teaching Method**

Lectures, videos, case studies, group discussion, and class and home exercises.

### **Attendance**

Attendance requirements are governed by the “Academic Regulations Governing Bachelor’s Degree Programmes of Macao Polytechnic Institute.” Students who do not meet the attendance requirements for the module will not be permitted to sit the final or re-sit examination and shall be awarded an ‘F’ grade.

### **Assessment**

This learning module is graded on a 100 point scale, with 100 being the highest possible score and 50 passing.

Item	Description	AHEP3 LO	Percentage
1. Assignments	Class and home exercises	SM2p, ET1p, EP6p	25%
2. Test	Understanding of class material	SM2p, ET1p, EP6p	25%
3. Examination	3-hour written examination	SM2p, ET1p, EP6p	50%
<b>Total Percentage:</b>			<b>100%</b>

Students with an overall score of less than 35 in the coursework must take the re-sit examination even if the overall score for the module is 50 or above.

Students with a score of less than 35 in the final examination must take the re-sit examination even if the overall score for the module is 50 or above.

Students with an overall final grade of less than 35 are NOT allowed to take the re-sit examination.

### **Teaching Material**

#### **Textbook(s)**

Harrison Jr. W., Horngren C., & Thomas C. (2018). Financial Accounting (11th Global edition). Prentice-Hall.

### **Reference**

#### **Reference book(s)**

Noreen, Brewer, & Garrison. (2014). Managerial Accounting for Managers (3rd edition). McGraw-Hill.