



Education within the reach of all
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Syllabus

Course Title

FINANCIAL RESOURCE MANAGEMENT I

I. General Objective:

To help students understand the basic concepts of finance and prepare them to apply fundamental concepts and theories related to financial resources.

II. Specific Objectives:

By the end of this course, students will be able to:

- Understand the fundamentals of corporate finance.
- Apply investment selection criteria.
- Calculate Net Present Value (NPV) and Internal Rate of Return (IRR).
- Understand payback period and choices between multiple projects.
- Analyze financial structure and financial balance.
- Study solvency and balance sheet analysis.
- Understand long-term financial planning and business growth.
- Apply concepts of arbitrage and financial decisions.
- Evaluate the time value of money.

III. Course Outline:

Chapter I: Overview of Corporate Finance

- Introduction to corporate finance

Chapter II: Investment Selection:

- Investment selection criteria

- Net Present Value (NPV)
- Internal Rate of Return (IRR)
- Payback period
- Choices between multiple projects
- Investment selection under resource constraints

Chapter III: Analysis of Financial Structure and Financial Balance

- Financial structure and long-term debt
- Theoretical capacity of debt
- Analysis of financial debt
- Financial balance
- Dynamic study of working capital (WC), working capital requirement (WCR), and cash flow

Chapter IV: Solvency

- Overall solvency
- Long-term solvency
- Balance sheet analysis
- Cash flow analysis
- Credit rating

Chapter V: Long-Term Financial Planning and Business Growth

Chapter VI: Arbitrage and Financial Decisions

- Project valuation
- Interest rates and time value of money
- Net Present Value (NPV)
- Arbitrage and law of one price
- Asset prices and absence of arbitrage opportunities
- Risk premium

Chapter VII: Time Value of Money

- present value of cash flows

IV. Methodology:

The course will use a participative approach with teacher's presentations, practical cases, and discussions to promote understanding and application of financial concepts. Evaluation will be based on assignments and practical work.