Syllabus Admission Test LM Management and Finance

Curriculum Finance
(in English)

## Mathematics and Statistics

Mathematics:

Essential Mathematics for Economic,

Knut Sydsaeter Peter Hammond, Arne Strom, Andrs Carvajal

Pearson College Div; 6° edizione (15 aprile 2021), English Edition

Required Chapters: Integration, Topics in Financial Mathematics, Functions of Many Variables, Multivariable Optimization, Constrained Optimization, Matrix and Vector Algebra, Determinants and Inverse Matrices, Linear Programming
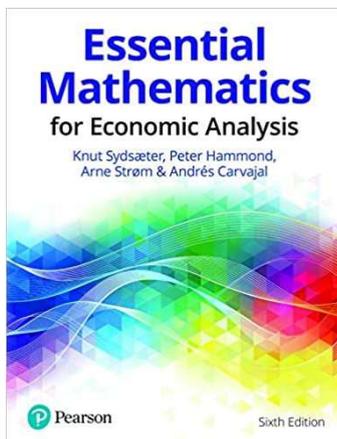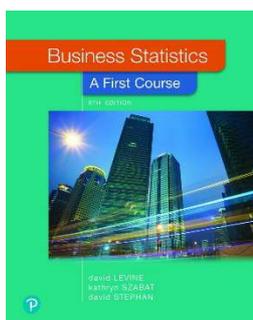
Statistics:

Business Statistics: A First Course, 8th Edition

David M. Levine, David F. Stephan, Kathryn A. Szabat

Pearson, English Edition

Required Chapters: 4. Basic Probability; 5. Discrete Probability Distributions 6. The Normal Distribution; 7. Sampling Distributions; 8. Confidence Interval Estimation; 13. Simple Linear Regression

Financial Literacy

Mishkin F.S and Eakins S. G., "FINANCIAL MARKETS AND INSTITUTIONS", Ninth Edition, Global Edition.
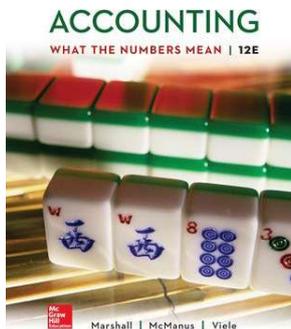
Part One - Introduction

Part Three - Fundamentals of Financial Institutions

Part Five: 12 Bond Market; 13 Stock Market; 14 Mortgage Market

Part Six: 20 Mutual Fund Industry; 21 Insurance Companies and Pension Funds; 22 Investment Banks, Security Brokers and Dealers, and Venture Capital Firms

<u>Business</u>

Accounting: What the Numbers Mean, 12th Edition

By David Marshall and Wayne McManus and Daniel Viele, McGraw-hill 2020.

Chapters:

Part 1: Financial Accounting

Ch. 1 Accounting—Present and Past

Ch. 2 Financial Statements and Accounting Concepts/Principles
Ch. 3 Fundamental Interpretations Made from Financial Statement Data
Ch. 4 The Bookkeeping Process and Transaction Analysis
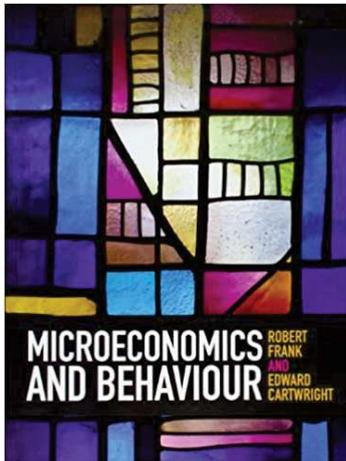
Part 2: Managerial Accounting
Ch. 12 Managerial Accounting and Cost– Volume–Profit Relationships
Ch. 13 Cost Accounting and Reporting

Economics

Microeconomics and Behavior
Robert H. Frank, Edward Cartwright, McGraw-Hill Higher Education, 2017

Chapters to be considered:

PART 1: Introduction
1 Thinking Like an Economist
2 Supply and Demand
PART 2: The Theory of Consumer Behaviour
4 Rational Consumer Choice
5 Individual and Market Demand
6 Applications of Rational Choice and Demand Theories
PART 3 : The Theory of the Firm and Market Structure
10 Production
11 Costs
12 Perfect Competition
13 Monopoly
14 Imperfect Competition