

Certified Management Accountant – Part 1 - (Qualification Program)

Accounting and Audit



3822-5



Virtual



111 hours

Course Description:

The Content Specification Outlines presented below represent the body of knowledge that will be covered on the CMA examinations. The outlines may be changed in the future when new subject matter becomes part of the common body of knowledge.

Target Audience:

Bachelor's degree in a related major.

Course Objectives:

- Understand the foundational elements of business operations
- Define the key components of an internal audit engagement
- Evaluate internal control frameworks and business continuity practices
- Identify and assess cybersecurity risks
- Apply financial and accounting concepts
- Analyze accounting processes and performance measurement techniques
- Assess key business cycles
- Organize audit engagements and develop effective audit programs and procedures
- Conduct comprehensive risk assessments
- Apply various information-gathering techniques
- Analyze and present audit information using flowcharts, process mapping, and analytical methods
- Document audit findings accurately and professionally
- Supervise audit engagements effectively
- Communicate audit results clearly and appropriately

Course Outline

Part 1 - Financial Planning, Performance, and Analytics

- External Financial Reporting Decisions (15% - Levels A, B, and C)
 - Financial statements
 - o Balance sheet
 - o Income statement
 - o Statement of changes in equity
 - o Statement of cash flows

- o Integrated reporting
- Recognition, measurement, valuation, and disclosure
 - o Asset valuation
 - o Valuation of liabilities
 - o Equity transactions
 - o Revenue recognition
 - o Income measurement
 - o Major differences between U.S. GAAP and IFRS
- Planning, Budgeting, and Forecasting (20% - Levels A, B, and C)
 - Strategic planning
 - o Analysis of external and internal factors affecting strategy
 - o Long-term mission and goals
 - o Alignment of tactics with long-term strategic goals
 - o Strategic planning models and analytical techniques
 - o Characteristics of a successful strategic planning process
 - Budgeting concepts
 - o Operations and performance goals
 - o Characteristics of a successful budget process
 - o Resource allocation
 - o Other budgeting concepts
 - Forecasting techniques
 - o Regression analysis
 - o Learning curve analysis
 - o Expected value
 - Budgeting methodologies
 - o Annual business plans (master budgets)
 - o Project budgeting
 - o Activity-based budgeting
 - o Zero-based budgeting
 - o Continuous (rolling) budgets
 - o Flexible budgeting
 - Annual profit plan and supporting schedules
 - o Operational budgets
 - o Financial budgets
 - o Capital budgets

Certified Management Accountant – Part 1 - (Qualification Program)

Accounting and Audit



3822-5



Virtual



111 hours

- Top-level planning and analysis
 - o Pro forma income
 - o Financial statement projections
 - o Cash flow projections
- Performance Management (20% - Levels A, B, and C)
 - Cost and variance measures
 - o Comparison of actual to planned results
 - o Use of flexible budgets to analyze performance
 - o Management by exception
 - o Use of standard cost systems
 - o Analysis of variation from standard cost expectations
 - Responsibility centers and reporting segments
 - o Types of responsibility centers
 - o Transfer pricing
 - o Reporting of organizational segments
 - Performance measures
 - o Product profitability analysis
 - o Business unit profitability analysis
 - o Customer profitability analysis
 - o Return on investment
 - o Residual income
 - o Investment base issues
 - o Key performance indicators (KPIs)
 - o Balanced scorecard
- Cost Management (15% - levels A, B, and C)
 - Measurement concepts
 - o Cost behavior and cost objects
 - o Actual and normal costs
 - o Standard costs
 - o Absorption (full) costing
 - o Variable (direct) cost
 - o Joint and by-product costing
 - Costing systems
 - o Job order costing
 - o Process costing
- o Activity-based costing
- o Life-cycle costing
- Overhead costs
 - o Fixed and variable overhead expenses
 - o Plant-wide vs. departmental overhead
 - o Determination of allocation base
 - o Allocation of service department costs
- Supply chain management
 - o Lean resource management techniques
 - o Enterprise resource planning (ERP)
 - o Theory of Constraints
 - o Capacity management and analysis
- Business process improvement
 - o Value chain analysis
 - o Value-added concepts
 - o Process analysis, redesign, and standardization
 - o Activity-based management
 - o Continuous improvement concepts
 - o Best practice analysis
 - o Cost of quality analysis
 - o Efficient accounting processes
- Internal Controls (15% - Levels A, B, and C)
 - Governance, risk, and compliance
 - o Internal control structure and management philosophy
 - o Internal control policies for safeguarding and assurance
 - o Internal control risk
 - o Corporate governance
 - External audit requirements
 - o System controls and security measures
 - o General accounting system controls
 - o Application and transaction controls
 - o Network controls
 - o Backup controls
 - o Business continuity planning

Certified Management Accountant – Part 1 - (Qualification Program)

Accounting and Audit



3822-5



Virtual



111 hours

- Technology and Analytics (15% - Levels A, B, and C)
 - Information systems
 - Accounting information systems
 - Enterprise resource planning systems
 - Enterprise performance management systems
 - Data governance
 - Data policies and procedures
 - Life cycle of data
 - Controls against security breaches
 - Technology-enabled finance transformation
 - System development life cycle
 - Process automation
 - Innovative applications
 - Data analytics
 - Business intelligence
 - Data mining
 - Analytic tools
 - Data visualization

Course Language:

English

Instructors Bio:

Mr. Mahmoud Refaie is a CMA-certified instructor, teaches Banking and Finance courses. Working as a professional Financial Analyst for 8 years has enhanced his knowledge and presentation skills. Mahmoud holds bachelor's degree of Accounting/Finance from Cairo University, English Section.

Subjects to teach:

- External Financial Reporting
- Planning, budgeting, and Forecasting
- Cost management
- Financial Statement Analysis
- Financial analysis using Excel tools
- Corporate Finance
- Risk Management

Certified Management Accountant – Part 1 - (Qualification Program)

Accounting and Audit



3822-5



Virtual



111 hours

Mr. Amr Bahgat, Head of Internal Audit Division – Arab Investment Bank.

Mr. Amr has working experience in the Banking & Audit Field for 32 years, as he worked previously in four other Banks (Alex Bank, AUB, NSGB & MIBank).

Since Jan 2020, he Heads the Internal Audit function and reports directly to the Audit Committee & the Board of Directors of the Arab Investment Bank (AIBank).

For the period 2012 – 2019, he was the Head of Retail & Branches Network Audit at Alex Bank (one of the Subsidiaries of Intesa Sanpaolo – Italian Banking Group). He was assigned to the development of audit plans of the Retail Banking & Branches Activities, moreover, for all other bank activities based on risk identification, risk assessment, policies and procedures evaluation, coverage of all business activities, and their related key risk issues.

Previously, starting in 2007, he was appointed to the position of Head of Credit & Treasury Audit at AUB (Ahli United Bank) in Egypt and at the AUB Group in Bahrain, for 6 years.

During his career path, he successfully passed and was awarded 3 Professional Designations:

- Certified Bank Auditor (CBA) - from Bank Administration Institute (BAI) - USA – 2008.
- Certified Banking Credit Analyst (CBCA) - from American University in Cairo – 2002.
- Diploma in Financial Services - from the Chartered Institute of Bankers in Scotland – 2000