**MAKERERE UNIVERSITY BUSINESS SCHOOL**

**FACULTY OF COMMERCE DEPARTMENT OF FINANCE**

**COURSEOUTLINE FOR THE DEGREE OF**

**BACHELOR OF SCIENCE IN FINANCE**

**OF MAKERERE UNIVERSITY, SEMESTER ONE ACADEMIC YEAR 2025/2026**

**COURSE NAME: COMPUTERIZED FINANCIAL ANALYSIS**

**COURSE LEVEL: 2**

**COURSE CODE: FIN 2101**

**CREDIT UNIT 3**

**CONTACT HOUR: 4**

Facilitators: Joram Ogut ([jogut@mubs.ac.ug](mailto:jogut@mubs.ac.ug)), 0785309933

Robert Obele ([robele@mubs.ac.ug](mailto:robele@mubs.ac.ug)), 0706958973

**Course Description**

This course contains financial models used to enhance analytical skills & information presentation. Also contains specific finance computer packages &system design, development analysis & implementation.

The course is practical and focuses on enabling you to apply many of the theories that you have learned in other courses in the setting of understanding a business. Students planning a career in accounting and financial will find the knowledge acquired in this course relevant.

##### Course Objectives

* 1. To develop financial models, to enhance the analytical skills and presentation of information a professional manner, to appreciate the new developments in ICT
  2. To enable the learner/student apply fundamental accounting skills and principles necessary for the preparation of books of accounts/financial records and financial statements
  3. To carry out financial functions using advanced excel
  4. To impact knowledge, skill and value to the students

##### Learning Outcomes/competences

1. Understand the characteristics, the potentialities and the limitations of the data mining methods.
2. Understand how accounting errors (either intentional manipulation by management or unintentional mistakes) impact reported income and the book value of equity in a particular year and over time.
3. Be proficient at calculating and interpreting financials and compare a firm to its competitors and to evaluate changes over time.

##### DETAILED COURSE CONTENT

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| --- | --- | --- |
| Topic/Description | Contact Hrs | Lecturer |
| Time value of moneyDiscounting and compounding of cash flows (for annuities and lump sum)Loan Amortization (for fixed and adjustable rates)Loan buyouts and loan rescheduling/restructuring | 6(Week 1-3) | Ogut J |
| Pay roll preparation  * Calculation of regular employment salary * Calculation of irregular employment salary  Calculation of employee termination | 3(Week 4) | Ogut J |
| Investment appraisalsDetermining Cash flows (Initial out lay, operating and terminal cash flows)Investment appraisal techniquesNPV, XNPVIRR, XIRRP.I (break even analysis)Payback period | 6(Week 5-6) | Ogut J |
| Risk Management AnalysisSensitivity AnalysisGoal SeekScenario PlanningSimulation | 3(Week 7) | Obele R |
| Ratio Analysis and interpretationLiquidity RatioProfitability RatiosEfficiency RationsSolvency Rations | 6(Week 8-9) | Obele R |
| Data presentation/VisualizationUse charts and graphs to communicate risk information/ results | 6(Week 10-11) | Obele R |
| Financial Analysis ReportFormat of Financial Analysis ReportContents of Financial Analysis ReportSamples Financial Analysis Report | 6(Week 12-13) | Obele R |

**Mode of Delivery**

* Lecture Method
* practicalsessio

Videos

* Group Discussion
* ODel Model
* Case Studies and tutorials

**Mode of assessment**

Course work will take 30%

Final examination 70%

Total 100%

**Reading Lists**

Stefanou C. (2013) Financial Statements Analysis Excel, Thessaloniki

Gibson, C. H. (2012) Financial Reporting and Analysis: Using Financial Accounting Information, 12thEdition, South-Western College Publishing, USA

Niarchos Ν. (2005) Financial Statements Analysis, Athens

Management Information Systems by K.C. & J.P. Laudon

Management Information Systems, A Managerial End User Perspective by James A. O‘Brien.

Database Systems, A practical approach to design, implementation, and management, 2nd Edition by Thomas Connolly and Carolyn Begg.

Data processing and Information Technology by Oliver and Chapman C.S French, 10th Edition.