

NIRMA UNIVERSITY

Institute Name	Institute of Commerce
Name of Programme	B. Com (Hons)
Course Code	3CC701ME24
Course Name	Financial Modelling
Course Type:	(<input type="checkbox"/> Core/ <input type="checkbox"/> Value Added Course/ <input type="checkbox"/> Departmental Elective/ [<input checked="" type="checkbox"/>] Institute Elective/ <input type="checkbox"/> University Elective/ <input type="checkbox"/> Open Elective/ Any other)
Year of Introduction	<input checked="" type="checkbox"/> 2024-25

L	T	Practical Component				C
		LPW	PW	W	S	
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Course Learning Outcomes (CLOs):

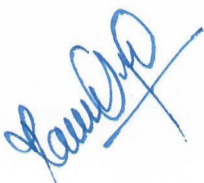
After successful completion of this course, the students will be able to:

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| 1. Utilize MS Excel® applications. | BL – 3 |
| 2. Develop financial models for forecasting. | BL – 3 |
| 3. Identify revenue and cost drivers for forecasting. | BL – 3 |
| 4. Analyze and interpret financial performance of the companies. | BL – 4 |
| 5. Perform sensitivity analysis. | BL – 6 |

Contents

Total Teaching Hours: 45

UNIT-I- Introduction to Financial Modelling	7
<ul style="list-style-type: none"> • Financial modelling process • Excel Function: financial, logical, statistical, mathematical, lookup and reference, date and time, text, information and pivot tables • Table formula and scenario building • Introduction to VBA for financial modelling 	
UNIT-II Sensitivity Analysis Using Excel	15
<ul style="list-style-type: none"> • Introduction • One- and two-dimensional sensitivity analysis • Sensitivity analysis modelling examples 	
UNIT-III Financial Statement Modelling	10
<ul style="list-style-type: none"> • Analyzing historical data • Selecting key forecast drivers • Modelling: income statement, balance sheet, cash flow statement • Modelling interest and circular references 	
UNIT-IV Forecasting Performance	13
<ul style="list-style-type: none"> • Introduction: designing dashboard like control panel • Basic statistical methods for forecasting • Forecasting: sales, cost, CAPEX, depreciation, working capital and funding needs, greeks in excel, real options valuation, building a mega model. 	



Suggested Readings:

1. Samonas, M. (2015). *Financial Forecasting, Analysis, and Modelling (A Framework for Long-term Forecasting)*, Wiley, UK
2. Sengupta, C. (2024). *Financial Modelling Using Excel and VBA*, Wiley, New Delhi
3. Michael, R. (2023). *Principles of Financial Modelling: Model Design and Best Practices Using Excel and VBA*, Wiley, New Delhi
4. Benninga, S. (2014). *Financial Modeling: With a Section on Visual Basics for Applications*, The MIT Press, London, UK
Mehra and Arora (2024) *Taxmann's Corporate Finance with Financial Modelling – Covering the Spectrum from – Financial Analysis to Strategic Financial Planning with Real-World Examples | Case Studies | Practical Exercises*, Taxmann Publication, New Delhi.

w.e.f. Academic Year 2024-25 and onwards