



Syllabus of BBA Banking and Financial Services
(Effective from academic session 2020-21)



Semester-
V

| | | | |
|--|---|--|------------------|
| Name of the Course: Bachelors in Banking and Financial Services | | | |
| Subject: Commodities Markets | | | |
| Course Code: BBABFS501 | | Semester: 5 | |
| Duration: 30 | | Maximum Marks: 100 | |
| Teaching Scheme | | Examination Scheme | |
| Theory: 4 hours per week | | End Semester Exam: 70 | |
| Tutorial: | | Teacher's Assessment: 10 | |
| Practical: | | Internal Assessment: 20 | |
| Credit: 3 | | Practical Sessional internal continuous evaluation: | |
| | | Practical Sessional external examination: | |
| Aim: | | | |
| Sl. No. | | | |
| 1. | Understand the role and importance of Commodities Markets | | |
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| Objective: | | | |
| Sl. No. | | | |
| 1. | Effectively Patriate in Commodities Market Transactions | | |
| | | | |
| | | | |
| Pre-Requisite: | | | |
| Sl. No. | | | |
| 1. | Basic knowledge of finance | | |
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| | | | |
| Contents | | | Hrs./week |
| Chapter | Name of the Topic | Hours | Marks |
| 01 Introduction to Commodities Markets | <ul style="list-style-type: none"> • Regulation of Commodity Futures Markets • Global Scenario • What is commodity?, Definition • What are commodity futures?, Nature of Futures • Why Commodities? • Diversification • Inflation Hedge • Example - Gold vs Nifty • Commodity Markets in India | 5 | 12 |



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| | | | |
|----------------------------|---|-----------|-----------|
| | <ul style="list-style-type: none"> Commodity Futures in India Categorization Of Commodities | | |
| 02 Time and Return | <ul style="list-style-type: none"> Strategies How to trade in commodities The Periodic Table of Commodity Returns Global - Time Cycle | 5 | 12 |
| 03 Product Specification | <ul style="list-style-type: none"> Gold Silver Crude Oil Copper Guarseed Soyoil Commodity Delivery Process Flow | 5 | 12 |
| 04 Commodity Hedging | <ul style="list-style-type: none"> What is Risk? What is Risk Management?, Risks faced by an entity What is a hedge? What are the risks in commodities? Inflation Hedge Volatility comparison - Summary | 5 | 12 |
| 05 Clearing and Settlement | <ul style="list-style-type: none"> Hedging Strategies Introduction Process Flow Participating Entities Collaterals Daily Settlement Final Settlement Delivery Settlement Logic Delivery Settlement – Flow Chart | 5 | 12 |
| 06 Risk Management | <ul style="list-style-type: none"> Classification of Risks Members Base Capital Risk Mitigation Strategies Margin Alert Level, Exposure at different margin level Mark-to-Market – (MTM), Example, MTM, How DSP is calculated? Final Settlement Price Position Limits Intra-day Price Limit Settlement Guarantee Fund Pay in Shortages Additional Base Capital | 5 | 10 |
| | | | |
| | Sub Total: | 30 | 70 |
| | Internal Assessment Examination & Preparation of Semester Examination | | 30 |



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| | | | | | | | |
|--|--|--|-------------|----------------------------------|-------------|--------------------|-------------|
| Total: | | | | | | 100 | |
| List of Books | | | | | | | |
| Text Books: | | | | | | | |
| Name of Author | Title of the Book | Edition/ISSN/ISBN | | Name of the Publisher | | | |
| P. S. Velmurugan | Indian Commodity Market: Derivatives and Risk Management | 2010 . 978-8183873833 | | Serials Publications | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| Reference Books: | | | | | | | |
| Vijay L. Bhambwan | A Trader's Guide to Indian Commodities Market | 2013 / 978-9380200033 | | Network 18 Publications Pvt. Ltd | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| End Semester Examination Scheme. | | Maximum Marks-70. | | | Time | | |
| allotted-3hrs. | | | | | | | |
| Group | Unit | Objective Questions (MCQ only with the correct answer) | | Subjective Questions | | | |
| | | No of question to be set | Total Marks | No of question to be set | To answer | Marks per question | Total Marks |
| A | 1,2,3, 4 | 10 | 18 | 3 | 2 | 4 | 52 |
| B | 4,5, 6, 7, 8 | 10 | | 4 | 3 | | |
| <ul style="list-style-type: none"> Only multiple choice type question (MCQ) with one correct answer are to be set in the objective part. Specific instruction to the students to maintain the order in answering objective questions should be given on top of the question paper. | | | | | | | |



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| | | | |
|--|---|---|------------------|
| Name of the Course: Bachelors in Banking and Financial Services | | | |
| Subject: Foreign Exchange Markets | | | |
| Course Code: BBABFS502 | | Semester: 5 | |
| Duration: 30 | | Maximum Marks: 100 | |
| Teaching Scheme | | Examination Scheme | |
| Theory: 4 hours per week | | End Semester Exam: 70 | |
| Tutorial: | | Teacher's Assessment: 10 | |
| Practical: | | Internal Assessment: 20 | |
| Credit: 3 | | Practical Sessional internal continuous evaluation: | |
| | | Practical Sessional external examination: | |
| Aim: | | | |
| Sl. No. | | | |
| 1 | | Understand what is Foreign Exchange, its need and Administration in India | |
| | | | |
| | | | |
| Objective: | | | |
| Sl. No. | | | |
| 1 | | Learn the tools and techniques used for FOREX trading | |
| | | | |
| | | | |
| Pre-Requisite: | | | |
| Sl. No. | | | |
| 1 | | Basic knowledge of Economics | |
| | | | |
| | | | |
| Contents | | | Hrs./week |
| Chapter | Name of the Topic | | Hour s |
| | | | Marks |
| 01 What is Foreign Exchange, its need and Administration in India | <ul style="list-style-type: none"> Define "Foreign Exchange" as per FEMA 1999; State the need of forex. Understand how 'Forex' is administered in India by the Government and its different arms | | 4 |
| | | | 9 |
| 02 FEDAI, Forex Business Infrastructure In Banks | <ul style="list-style-type: none"> Describe the role of FEDAI (Foreign Exchange Dealers' Association of India); Understand the infrastructure in Banks in India for conducting forex transactions. Summarize how the banks quote the forex rates to their customers. | | 4 |
| | | | 9 |



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|--|---|-----------|------------|
| 03 Different Types of Forex Trades and Rates | <ul style="list-style-type: none"> Explain the role of SWIFT in facilitating inter-flow of authentic messages among financial institutions. List the different types of forex trades and the different players in the forex markets. Describe the currencies most used in the forex markets Summarize how different types of exchange rates are applied to different types of transactions. | 4 | 9 |
| 04 Foreign Exchange Arithmetic, rates and Factors that affect them | <ul style="list-style-type: none"> Demonstrate how the actual calculations are made while applying the different types of rates to the different types of transactions. Describe how the technological advancement in computers help in the forex trading systems. Describe the different factors that affect FX rate. | 4 | 9 |
| 05 International Markets and LIBOR rates | <ul style="list-style-type: none"> Understand how funds are raised by the borrowers in the International Financial Markets. Understand the basics of international bond markets. | 4 | 9 |
| | | | |
| | Sub Total: | 30 | 70 |
| | Internal Assessment Examination & Preparation of Semester Examination | | 30 |
| | Total: | | 100 |

List of Books

Text Books:

| Name of Author | Title of the Book | Edition/ISSN/ISBN | Name of the Publisher |
|------------------------------|---|-----------------------|---|
| Mr Edward Leonador Andres II | The FOREX Market: Fundamental Principles and Strategies To Win The Game | 2012 / 978-1475217780 | CreateSpace Independent Publishing Platform |
| | | | |
| | | | |

Reference Books:

| | | | |
|-------------|--|-------------------------|-------------|
| James Dicks | Forex Trading Secrets: Trading Strategies for the Forex Market | 2010 / : 978-0071664226 | MCGraw Hill |
| | | | |
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| End Semester Examination Scheme. allotted-3hrs. | | Maximum Marks-70. | | Time | | | |
|--|-------------------------|--|----------------|--------------------------------|-----------|-----------------------|----------------|
| Group | Unit | Objective Questions (MCQ only with the correct answer) | | Subjective Questions | | | |
| | | No of question to be set | Total Marks | No of question to be set | To answer | Marks per question | Total Marks |
| A | 1,2,3, 4 | 10 | 18 | 3 | 2 | 4 | 52 |
| B | 4,5, 6, 7, 8 | 10 | | 4 | 3 | | |

- Only multiple choice type question (MCQ) with one correct answer are to be set in the objective part.
- Specific instruction to the students to maintain the order in answering objective questions should be given on top of the question paper.



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| | | | |
|--|--|--|------------------|
| Name of the Course: Bachelors in Banking and Financial Services | | | |
| Subject: Fixed Income Securities | | | |
| Course Code: BBABFS503 - A | | Semester: 5 | |
| Duration: 30 | | Maximum Marks: 100 | |
| Teaching Scheme | | Examination Scheme | |
| Theory: 4 hours per week | | End Semester Exam: 70 | |
| Tutorial: | | Teacher's Assessment: 10 | |
| Practical: | | Internal Assessment: 20 | |
| Credit: 3 | | Practical Sessional internal continuous evaluation: | |
| | | Practical Sessional external examination: | |
| Aim: | | | |
| Sl. No. | | | |
| 1 | Appreciate the Role of Debt Markets | | |
| | | | |
| | | | |
| Objective: | | | |
| Sl. No. | | | |
| 1 | Build skills to deal in Fixed Income Securities | | |
| | | | |
| | | | |
| Pre-Requisite: | | | |
| Sl. No. | | | |
| 1 | Basic knowledge of Economics | | |
| | | | |
| | | | |
| Contents | | | Hrs./week |
| Chapter | Name of the Topic | Hours | Marks |
| 01 Introduction to Debt Markets | <ul style="list-style-type: none"> Understand basic overview of debt market. Acquaint yourself with terminologies used in debt markets. Identify features of different types of debt instruments. Understand the role of debt markets in capital markets. | 4 | 9 |
| 02 Bond Structure | <ul style="list-style-type: none"> Define different types of Bonds. List the various Money Market instruments. Understand Coupons, yield and redemption and their computation logic. Understand Cash-flows of a bond / Non Convertible Debenture. Define Callable & Puttable Bonds. | 4 | 9 |



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| | | | |
|--------------------------|---|-----------|-----------|
| 03 Bonds with Options | <ul style="list-style-type: none"> • Understand Basics of Derivatives. • Understanding the working of Callable & Puttable Bonds. • Explain the various methods of Bond Valuation. • Describe what are CDS and their uses. • | 4 | 9 |
| 04 Bond Valuation - I | <ul style="list-style-type: none"> • Understand Basics of Derivatives. • Understanding the working of Callable & Puttable Bonds. • Explain the various methods of Bond Valuation. • Describe what are CDS and their uses. • | 4 | 9 |
| 05 Bond Valuation - II | <ul style="list-style-type: none"> • Define practical Bond Valuation strategies. • List the computation & conceptual logic of types of Yields. • Summarise application of concepts with regards to financial planning. • | 4 | 9 |
| Risks in Bonds - I | <ul style="list-style-type: none"> • Define practical Bond Valuation strategies. • List the computation & conceptual logic of types of Yields. • Summarise application of concepts with regards to financial planning. | | |
| Risks in Bonds - II | <ul style="list-style-type: none"> • Understand and analyze following advanced risk levels in a bond: <ul style="list-style-type: none"> ○ Credit risk ○ Liquidity risk ○ Exchange rate risk • • Understand the Credit rating agency functions | | |
| MBS and ABS | <ul style="list-style-type: none"> • Describe the Basic concepts related to Mortgage Backed Securities (MBS). • • Understand the Basic concepts related to Asset Backed Securities (ABS). | | |
| Valuation of MBS and ABS | <ul style="list-style-type: none"> • Describe the valuation of Mortgage Based Securities (MBS) • Summarise the Valuation of Asset Based Securities (ABS) | | |
| Case Studies | <ul style="list-style-type: none"> • FII Participation In Indian Bond Markets • FCCB Issue | | |
| | | | |
| | Sub Total: | 30 | 70 |



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| | | | | | | | |
|--|--|---|------------------------------|-----------------------------|-----------|--------------------|-------------|
| | Internal Assessment Examination & Preparation of Semester Examination | | | 30 | | | |
| | Total: | | | 100 | | | |
| List of Books | | | | | | | |
| Text Books: | | | | | | | |
| Name of Author | Title of the Book | Edition/ISSN/ISBN | Name of the Publisher | | | | |
| Pietro Veronesi | Fixed Income Securities: Valuation, Risk and Risk Management | 2011 / 978-8126531714 | Wiley | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| Reference Books: | | | | | | | |
| Frank J. Fabozzi | The Handbook of Fixed Income Securities Hardcover | 2017/ 978-1259098284 | McGraw Hill Education | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| End Semester Examination Scheme. Maximum Marks-70. Time allotted-3hrs. | | | | | | | |
| Group | Unit | Objective Questions (MCQ only with the correct answer) | | Subjective Questions | | | |
| | | No of question to be set | Total Marks | No of question to be set | To answer | Marks per question | Total Marks |
| A | 1,2,3, 4 | 10 | 18 | 3 | 2 | 4 | 52 |
| B | 4,5, 6, 7, 8 | 10 | | 4 | 3 | | |
| <ul style="list-style-type: none"> Only multiple choice type question (MCQ) with one correct answer are to be set in the objective part. Specific instruction to the students to maintain the order in answering objective questions should be given on top of the question paper. | | | | | | | |



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| | | | |
|--|---|---|------------------|
| Name of the Course: Bachelors in Banking and Financial Services | | | |
| Subject: Financial Risk Management | | | |
| Course Code: BBABFS503 - B | | Semester: 5 | |
| Duration: 30 | | Maximum Marks: 100 | |
| Teaching Scheme | | Examination Scheme | |
| Theory: 4 hours per week | | End Semester Exam: 70 | |
| Tutorial: | | Teacher's Assessment: 10 | |
| Practical: | | Internal Assessment: 20 | |
| Credit: 3 | | Practical Sessional internal continuous evaluation: | |
| | | Practical Sessional external examination: | |
| Aim: | | | |
| Sl. No. | | | |
| 1 | | Appreciate the need for Financial Risk Management | |
| | | | |
| | | | |
| Objective: | | | |
| Sl. No. | | | |
| 1 | | Master the tools and techniques for effective Financial Risk Management | |
| | | | |
| | | | |
| Pre-Requisite: | | | |
| Sl. No. | | | |
| 1 | | Basic knowledge of Finance | |
| | | | |
| | | | |
| Contents | | | Hrs./week |
| Chapter | Name of the Topic | Hours | Marks |
| 01 Getting Started with Risk Management | <ul style="list-style-type: none"> Living with Risk. Understanding Risk Models Taking Charge of Risk Managing Financial Risk Functions of a Financial Risk Manager | 6 | 14 |
| 02 Measuring Financial Risk | <ul style="list-style-type: none"> Valuing Risk. Stress Testing for Success Speaking Greek Accounting for Extremes | 6 | 14 |
| 03 Managing Financial Risk | <ul style="list-style-type: none"> Setting Limits. Stopping Losses Controlling Drawdowns Hedging Bets | 6 | 14 |



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|--|--|-----------|------------|
| 04 Working in Financial Institutions | <ul style="list-style-type: none"> Trading Places Banking on Risk Managing Assets and Portfolios Insuring Risk | 6 | 14 |
| 05 Communicating Risk | <ul style="list-style-type: none"> Reporting Risk Regulating Finance | 6 | 14 |
| Sub Total: | | 30 | 70 |
| Internal Assessment Examination & Preparation of Semester Examination | | | 30 |
| Total: | | | 100 |

List of Books

Text Books:

| Name of Author | Title of the Book | Edition/ISSN/ISBN | Name of the Publisher |
|----------------|---------------------------------------|-----------------------|-----------------------|
| Aaron Brown | Financial Risk Management For Dummies | 2015 / 978-1119082200 | Wiley |
| | | | |
| | | | |

Reference Books:

| | | | |
|-----------------|--|-----------------------|-------|
| Philippe Jorion | Financial Risk Manager Handbook FRM Part I / Part II | 2013 / 978-8126544080 | Wiley |
| | | | |
| | | | |

End Semester Examination Scheme.

Maximum Marks-70.

Time

allotted-3hrs.

| Group | Unit | Objective Questions (MCQ only with the correct answer) | | Subjective Questions | | | |
|-------|--------------|---|-------------|--------------------------|-----------|--------------------|-------------|
| | | No of question to be set | Total Marks | No of question to be set | To answer | Marks per question | Total Marks |
| A | 1,2,3, 4 | 10 | 18 | 3 | 2 | 4 | 52 |
| B | 4,5, 6, 7, 8 | 10 | | 4 | 3 | | |

- Only multiple choice type question (MCQ) with one correct answer are to be set in the objective part.
- Specific instruction to the students to maintain the order in answering objective questions should be given on top of the question paper.

MAULANA ABUL KALAM AZAD UNIVERSITY OF TECHNOLOGY, WEST BENGAL
NH-12 (Old NH-34), Simhat, Haringhata, Nadia -741249



Syllabus of BBA Banking and Financial Services
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| | | | |
|--|---|--|------------------|
| Name of the Course: Bachelors in Banking and Financial Services | | | |
| Subject: Introduction to Algorithmic Trading | | | |
| Course Code: BBABFS503 - C | | Semester: 5 | |
| Duration: 30 | | Maximum Marks: 100 | |
| Teaching Scheme | | Examination Scheme | |
| Theory: 4 hours per week | | End Semester Exam: 70 | |
| Tutorial: 1 | | Teacher's Assessment: 10 | |
| Practical: | | Internal Assessment: 20 | |
| Credit: 3 | | Practical Sessional internal continuous evaluation: | |
| | | Practical Sessional external examination: | |
| Aim: | | | |
| Sl. No. | | | |
| 1 | Build a foundational understanding of Algorithmic Trading | | |
| 2 | Establish a link between various components of Algorithmic Trading | | |
| | | | |
| Objective: | | | |
| Sl. No. | | | |
| 1 | To build an understanding of Algorithmic Trading- concepts and functioning | | |
| | | | |
| Pre-Requisite: | | | |
| Sl. No. | | | |
| | NA | | |
| | | | |
| Contents | | | Hrs./week |
| Chapter | Name of the Topic | Hours | Marks |
| 01 Algo Lifecycle | <ul style="list-style-type: none"> About Algo Lifecycle | 2.5 | 6 |
| 02 ALgorithmic Trading | <ul style="list-style-type: none"> What is Algo Trading? How is it different? Benefits | 2.5 | 6 |
| 03 Circuit Breakers | <ul style="list-style-type: none"> Price Bands Circuit Breakers for Nifty & Sensex What is Closing Price? Importance of Closing Price | 2.5 | 6 |
| 04 Colocatoin, Algo Risk Management, API, | <ul style="list-style-type: none"> Algo Risk Management Double Edged Sword Risk Checks Algo Level Checks | 2.5 | 6 |



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| | | | |
|----------------------------|---|-----|---|
| Predatory Algos | <ul style="list-style-type: none"> • Exchange Mandated Checks • Testing your Strategy • Algo Approval Process • API • Predatory Algos | | |
| 05 Decoding the Order Book | <ul style="list-style-type: none"> • Order book • Pre-open process • Order Collection • Order Matching • Equilibrium Price | 2.5 | 6 |
| 06 Execution Algos | <ul style="list-style-type: none"> • Order Types • Case • TWAP & VWAP • POV • Design Considerations • Design your VWAP Algo | 2.5 | 6 |
| 07 Latency | <ul style="list-style-type: none"> • Factors affecting Latency • Optimizing Algo Latency | 2.5 | 6 |
| 08 Robot Advisory | <ul style="list-style-type: none"> • Investor / Advisor • What are Robo Advisors? • Breaking it Down • Investor Buckets • Stock Buckets • Strategy Buckets • Investing • Popular across the Globe • How it works? • Target Audience • Variants | 2.5 | 6 |
| 09 Software Components | <ul style="list-style-type: none"> • Algo Logic • OMS • RMS • Databases • Broadcast | 2.5 | 6 |
| 10 Stock Market | <ul style="list-style-type: none"> • What is the Stock Market? • Various Stakeholders • What happens when you BUY and SELL? • Asset Classes • The concept of BULLS and BEARS • Factors affecting Stock Price • About Trading and Alternate ways • Trade Lifecycle • Instruments Traded | 2.5 | 6 |
| 11 Strategies | <ul style="list-style-type: none"> • Typical Algo Strategies • Quant Strategies – Pairs | 2.5 | 6 |



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| | | | |
|-------------------------|---|-----------|------------|
| | <ul style="list-style-type: none"> • Execution Algo – Jobbing • Arbitrage • Market Making • Typical Algo Trader/Developer | | |
| 12 Trading Architecture | <ul style="list-style-type: none"> • OMS • Orders • RMS • Validate the Order • Broadcast Server • Complex Event Processing Engine / Algo Server • Report Server • 3rd Party Tools • 3rd Party Components | 2.5 | 4 |
| | | | |
| | Sub Total: | 30 | 70 |
| | Internal Assessment Examination & Preparation of Semester Examination | | 30 |
| | Total: | | 100 |

List of Books

Text Books:

| Name of Author | Title of the Book | Edition/ISSN/ISBN | Name of the Publisher |
|----------------|---|-------------------|-----------------------|
| Ernie Chan | Algorithmic Trading: Winning Strategies and Their Rationale | 2013/ B00CY5HC0U | Wiley |
| | | | |
| | | | |

Reference Books:

| | | | |
|------------|--|-------------------|-------|
| Ernie Chan | Quantitative Trading: How to Build Your Own Algorithmic Trading Business | 2019 / B001FA0GGC | Wiley |
| | | | |
| | | | |

End Semester Examination Scheme.

Maximum Marks-70.

Time

allotted-3hrs.

| Group | Unit | Objective Questions (MCQ only with the correct answer) | | Subjective Questions | | | |
|----------|-----------------|---|-------------|--------------------------|-----------|--------------------|-------------|
| | | No of question to be set | Total Marks | No of question to be set | To answer | Marks per question | Total Marks |
| A | 1,2,3, 4 | 10 | 18 | 3 | 2 | 4 | 52 |



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| | | | | | | | |
|---|-------------------------|-----------|--|----------|----------|--|--|
| B | 4,5, 6, 7, 8 | 10 | | 4 | 3 | | |
| <ul style="list-style-type: none">• Only multiple choice type question (MCQ) with one correct answer are to be set in the objective part.• Specific instruction to the students to maintain the order in answering objective questions should be given on top of the question paper. | | | | | | | |



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| | | | |
|---|---|--|------------------|
| Name of the Course: Bachelors in Banking and Financial Services | | | |
| Subject: Financial Modelling | | | |
| Course Code: BBABFS504 - A | | Semester: 5 | |
| Duration: 30 | | Maximum Marks: 100 | |
| Teaching Scheme | | Examination Scheme | |
| Theory: 4 hours per week | | End Semester Exam: 70 | |
| Tutorial: | | Teacher's Assessment: 10 | |
| Practical: | | Internal Assessment: 20 | |
| Credit: 3 | | Practical Sessional internal continuous evaluation: | |
| | | Practical Sessional external examination: | |
| Aim: | | | |
| Sl. No. | | | |
| 1 | | | |
| Create a foundation of Financial Modelling to forecast a business's financial performance in the future | | | |
| 2 | | | |
| To equip you with knowledge and skills to use financial models to perform company analysis and valuation | | | |
| | | | |
| | | | |
| Objective: | | | |
| Sl. No. | | | |
| 1 | | | |
| To understand Financial Modelling in order to excel at forecasting a business's financial performance in the future | | | |
| | | | |
| | | | |
| Pre-Requisite: | | | |
| Sl. No. | | | |
| 1 | | | |
| Basic knowledge of Excel | | | |
| 2 | | | |
| Basic knowledge of Economics or Finance | | | |
| | | | |
| | | | |
| Contents | | | Hrs./week |
| Chapter | Name of the Topic | Hours | Marks |
| 01 Creating a Financial Model template using Excel - I | <ul style="list-style-type: none"> • Formatting the data, summarizing, and creating a presentable format • Manipulating Text and Numerical Data • Using Pivot Tables to Summarize Data | 4 | 9 |
| 02 Creating a Financial Model template using Excel - II | <ul style="list-style-type: none"> • Converting data into tabular format • Identify high profit sales using conditional formatting • Excel Best Practises | 4 | 9 |



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| | | | |
|--|--|-----------|------------|
| 03 Financial Model for a New Business - I | <ul style="list-style-type: none"> Inputs/Assumptions Worksheet Preparing the 3 Financial Statements | 4 | 9 |
| 04 Financial Model for a New Business - II | <ul style="list-style-type: none"> Preparing Depreciation & Amortization Schedule Preparing Debt Schedule Other Working Notes | 4 | 9 |
| 05 Modelling Case Study - I | <ul style="list-style-type: none"> Understand the Business Model and Operating Model Modelling the Historical Statement Modelling Assumptions for Future Action | 4 | 9 |
| 06 Modelling Case Study - II | <ul style="list-style-type: none"> Modelling Revenue Build-up – projecting the future revenues Modelling Cost Build-up – projecting the future cost Modelling the Asset Schedule Modelling the Depreciation Schedule – Book and Income Tax Depreciation Working Capital and Term Loan Modelling – Debt Infusion Equity Modelling – Equity Infusion | 4 | 9 |
| 07 Analysis and Valuation - I | <ul style="list-style-type: none"> WACC and Cost of Equity Analysis Performing Valuation using DCF | 4 | 9 |
| 08 Analysis and Valuation - II | <ul style="list-style-type: none"> Performing Sensitivity/Scenario Analysis Comparing the Valuation Summary using Different Parameters | 2 | 7 |
| | | | |
| | Sub Total: | 30 | 70 |
| | Internal Assessment Examination & Preparation of Semester Examination | | 30 |
| | Total: | | 100 |

List of Books

Text Books:

| Name of Author | Title of the Book | Edition/ISSN/ISBN | Name of the Publisher |
|--------------------------|--|-------------------|-----------------------|
| Danielle Stein Fairhurst | Financial Modelling in Excel For Dummies | 2017/ B06ZXS8QZQ | Wiley |
| | | | |
| | | | |

Reference Books:

| | | | |
|--------------------------|------------------------------|------------------|-------|
| Danielle Stein Fairhurst | Using Excel for Business and | 2019/ B07Q1KFLNM | Wiley |
|--------------------------|------------------------------|------------------|-------|



**Syllabus of BBA Banking and Financial Services
(Effective from academic session 2020-21)**



INSTITUTE LIMITED

| | | Financial Modelling: A Practical Guide | | | | | |
|--|--------------|---|-------------|--------------------------|----------------------------|--------------------|-------------|
| | | | | | | | |
| | | | | | | | |
| End Semester Examination Scheme. | | Maximum Marks-70. | | | Time allotted-3hrs. | | |
| Group | Unit | Objective Questions (MCQ only with the correct answer) | | Subjective Questions | | | |
| | | No of question to be set | Total Marks | No of question to be set | To answer | Marks per question | Total Marks |
| A | 1,2,3, 4 | 10 | 18 | 3 | 2 | 4 | 52 |
| B | 4,5, 6, 7, 8 | 10 | | 4 | 3 | | |
| <ul style="list-style-type: none"> Only multiple choice type question (MCQ) with one correct answer are to be set in the objective part. Specific instruction to the students to maintain the order in answering objective questions should be given on top of the question paper. | | | | | | | |



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| | | | |
|--|--|---|------------------|
| Name of the Course: Bachelors in Banking and Financial Services | | | |
| Subject: Financial Planning | | | |
| Course Code: BBABFS504 - B | | Semester: 5 | |
| Duration: 30 | | Maximum Marks: 100 | |
| Teaching Scheme | | Examination Scheme | |
| Theory: 4 hours per week | | End Semester Exam: 70 | |
| Tutorial: | | Teacher's Assessment: 10 | |
| Practical: | | Internal Assessment: 20 | |
| Credit: 3 | | Practical Sessional internal continuous evaluation: | |
| | | Practical Sessional external examination: | |
| Aim: | | | |
| Sl. No. | | | |
| 1 | | Appreciate the need for proper Financial Planning | |
| | | | |
| | | | |
| Objective: | | | |
| Sl. No. | | | |
| 1 | | To master the tools and techniques to build a personal financial plan | |
| | | | |
| | | | |
| Pre-Requisite: | | | |
| Sl. No. | | | |
| | | NA | |
| | | | |
| | | | |
| Contents | | | Hrs./week |
| Chapter | Name of the Topic | Hours | Marks |
| 01 Financial Planning and Personal Financial Statements | <ul style="list-style-type: none"> • What is financial planning? • Financial planning process • Need and Advantages of financial planning • Financial Goals • Best Practices • Personal Financial statements • Components of financial statements • Balance sheet • Income statements | 4 | 9 |
| 02 Cash flow and Debt Management | <ul style="list-style-type: none"> • Profile of Average Investor • Life Stages • Cash Flow Problem • Cash Flow Management • Financial Statements • Budgeting • Reducing Expenses | 4 | 9 |



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| | | | |
|---|--|---|---|
| | <ul style="list-style-type: none"> • Debt Management • Types of Debt • Debt Management Strategies | | |
| 03 Investments Asset Allocation and Acquisition | <ul style="list-style-type: none"> • What is asset allocation? <ul style="list-style-type: none"> ○ Asset Allocation Strategies ○ Strategic Asset Allocation ○ Tactical Asset Allocation ○ Core Satellite Asset Allocation ○ Systematic Asset Allocation • Diversification • Asset Allocation Decision • Factors Affecting Portfolio Composition | 4 | 9 |
| 04 Assets to Invest in | <ul style="list-style-type: none"> • Investment Mantras • Various Assets • Other Investment Avenues | 4 | 9 |
| 05 Insurance policies | <ul style="list-style-type: none"> • Insurance • Types of Insurance • Types of Life Insurance Products | 4 | 9 |
| 06 Strategies for Insurance | <ul style="list-style-type: none"> • Insurance Myths • Easy ways to buy a policy • Computation of Human Life Value • Types of General Insurance | | |
| 07 Investment Planning | <ul style="list-style-type: none"> • Why Investment Planning? • Investor Types based on risk appetite • Tips for effective investment planning | | |
| 08 Investment Avenues | <ul style="list-style-type: none"> • Choice of Investment Options • Investment Avenues Chart • Long Term vs Short Term • Timeline Pyramid for Investment • Types of Planning | | |
| 09 Education Planning | <ul style="list-style-type: none"> • What is education planning? • Why education planning? • Steps for education planning • Investment options for education • Alternative sources for education | | |
| 10 Tax and Retirement planning | <ul style="list-style-type: none"> • What is tax planning and why it is important • Steps to begin tax planning • Steps for calculation of tax payable and tax savings investments • Tax Saving Schemes • What is Retirement Planning? • Steps to arrive at a retirement plan • Investments for Retirement | | |
| 11 Planning for Special circumstances | <ul style="list-style-type: none"> • Special Circumstances • Estate Planning | | |



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| | | | |
|--|--|-----------|------------|
| | <ul style="list-style-type: none"> • Loss or Work • Medical Emergency • Divorce or separation • Having a child | | |
| | | | |
| | Sub Total: | 30 | 70 |
| | Internal Assessment Examination & Preparation of Semester Examination | | 30 |
| | Total: | | 100 |

List of Books

Text Books:

| Name of Author | Title of the Book | Edition/ISSN/ISBN | Name of the Publisher |
|---------------------------------------|------------------------------------|-------------------|--------------------------------|
| Indian Institute of Banking & Finance | Introduction to Financial Planning | 2017 / 9386394553 | Taxmann Publications Pvt. Ltd. |
| | | | |
| | | | |

Reference Books:

| | | | |
|---|---|-----------------------|-------------------|
| Benjamin Stein (Author), Phil Demuth (Author) | Yes, You Can Get a Financial Life!: Your Lifetime Guide to Financial Planning | 2006 / 978-1401911249 | New Beginnings Pr |
| | | | |
| | | | |

End Semester Examination Scheme. allotted-3hrs.

Maximum Marks-70.

Time

| Group | Unit | Objective Questions (MCQ only with the correct answer) | | Subjective Questions | | | |
|----------|---------------------|---|-------------|--------------------------|-----------|--------------------|-------------|
| | | No of question to be set | Total Marks | No of question to be set | To answer | Marks per question | Total Marks |
| A | 1,2,3, 4 | 10 | 18 | 3 | 2 | 4 | 52 |
| B | 4,5, 6, 7, 8 | 10 | | 4 | 3 | | |

- Only multiple choice type question (MCQ) with one correct answer are to be set in the objective part.
- Specific instruction to the students to maintain the order in answering objective questions should be given on top of the question paper.



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| | | | |
|--|---|--|------------------|
| Name of the Course: Bachelors in Banking and Financial Services | | | |
| Subject: Project Finance | | | |
| Course Code: BBABFS504 - C | | Semester: 5 | |
| Duration: 30 | | Maximum Marks: 100 | |
| Teaching Scheme | | Examination Scheme | |
| Theory: 4 hours per week | | End Semester Exam: 70 | |
| Tutorial: | | Teacher's Assessment: 10 | |
| Practical: | | Internal Assessment: 20 | |
| Credit: 3 | | Practical Sessional internal continuous evaluation: | |
| | | Practical Sessional external examination: | |
| Aim: | | | |
| Sl. No. | | | |
| 1 | To create a foundation to understand the concepts involved in Project Finance | | |
| 2 | Establish a link between planning, management, risks, estimation, capital investment and other concepts in the financial field | | |
| | | | |
| | | | |
| Objective: | | | |
| Sl. No. | | | |
| 1 | To create a foundation to understand the concepts involved in Project Finance | | |
| | | | |
| | | | |
| Pre-Requisite: | | | |
| Sl. No. | | | |
| 1 | NA | | |
| | | | |
| | | | |
| Contents | | | Hrs./week |
| Chapter | Name of the Topic | Hours | Marks |
| 01 Concept of SME /MSME | <ul style="list-style-type: none"> • Concept of SME /MSME • Importance & relevance of Project Finance • Project Types • Basics of Project Finance | 3 | 7 |
| 02 Estimating & Assessing Cost of Project | <ul style="list-style-type: none"> • Estimating & Assessing Cost of Project • Its Cash Flow • Project feasibility Analysis • Time Value of Money | 3 | 7 |
| 03 Capital Investment | <ul style="list-style-type: none"> • Capital Investment Types • Capital Budgeting • Evaluation in Capital • Expenditure through IRR , NPV & Pay Back Period Structuring | 3 | 7 |
| 04 Project Planning | <ul style="list-style-type: none"> • Project Planning • Networking techniques for Project Implementation | 3 | 7 |



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| | | | |
|--|--|-----------|------------|
| | <ul style="list-style-type: none"> • Project Control | | |
| 05 Sources of Financing SME /MSME Projects | <ul style="list-style-type: none"> • Sources of Financing SME /MSME Projects • Long Term & Short Term • Lending Schemes of the Banks • Venture Capital & Private Equity | 3 | 7 |
| 06 Working Capital Management | <ul style="list-style-type: none"> • Working Capital Management • Its Relevance & Importance • Areas of Concern in Managing Working Capital • RBI Norms to asses Working Capital requirement of MSME | 3 | 7 |
| 07 Test & Govt. Schemes to assist MSME's | <ul style="list-style-type: none"> • Test & Govt. Schemes to assist MSME's • Export Finance | 3 | 7 |
| 08 Common Risks in Projects | <ul style="list-style-type: none"> • Common Risks in Projects • Risk mitigation • Securitization • Insurance • Taxation | 3 | 7 |
| 09 SME Listing & norms of SEBI | <ul style="list-style-type: none"> • SME Listing & norms of SEBI | 3 | 7 |
| 10 Project Report Preparation | <ul style="list-style-type: none"> • Simulation Exercise and practice on Project Report Preparation | 3 | 7 |
| | | | |
| | Sub Total: | 30 | 70 |
| | Internal Assessment Examination & Preparation of Semester Examination | | 30 |
| | Total: | | 100 |

List of Books

Text Books:

| Name of Author | Title of the Book | Edition/ISSN/ISBN | Name of the Publisher |
|------------------|--|----------------------|-----------------------|
| Prasanna Chandra | Projects: Planning, Analysis, Selection, Financing, Implementation, and Review | 2017/ 978-9332902572 | McGraw Hill Education |
| | | | |
| | | | |

Reference Books:

| | | | |
|----------------|-------------------------------|----------------------|----------------|
| E. R. Yescombe | Principles of Project Finance | 2012/ 978-0127708515 | Academic Press |
|----------------|-------------------------------|----------------------|----------------|



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| End Semester Examination Scheme. | | Maximum Marks-70. | | Time | | | |
|--|--------------|---|-------------|--------------------------|-----------|--------------------|-------------|
| allotted-3hrs. | | | | | | | |
| Group | Unit | Objective Questions (MCQ only with the correct answer) | | Subjective Questions | | | |
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