



**JINDAL GLOBAL  
BUSINESS SCHOOL**  
INDIA'S FIRST MULTI-DISCIPLINARY GLOBAL BUSINESS SCHOOL



**O.P. Jindal Global University**  
*A Private University Promoting Public Service*  
**NAAC Accreditation - 'A' Grade**

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Jindal Global Business School  
*Course Outline*

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Course Title	Security Analysis & Portfolio Management
Core or Elective	Elective
Program and Batch	MBA-2025, IBM-2022, IBM-2023
Semester & Academic Year	Fall 2026
Credits	1.5
Discipline/Area	Finance & Accounting
Name of the Faculty Member/Course Instructor	Prof. Surbhi Jain
Contact Details of the Faculty Member	<a href="mailto:sjain2@jgu.edu.in">sjain2@jgu.edu.in</a>
Contact Details of Support Staff	<a href="mailto:jgbs-ec@jgu.edu.in">jgbs-ec@jgu.edu.in</a>
Faculty Member's Open Office Day/s & Time	2-3 p.m. on Monday 3-4 p.m. on Thursday

### **Introduction to the Course**

This course provides holistic understanding of different financial assets, financial market and how to construct diversified portfolio with minimum investment risk. This course will give comprehensive and structured model for valuation of financial assets covering equity and bond valuation. Further, the course offers simple and advance concepts including risk-return trade-off, investment analysis, portfolio theory, portfolio construction and management. The Securities Analysis and Portfolio Management course focuses at introducing the students about the various aspects of securities analysis and portfolio management. This course will give the introduction and advanced practical concepts, tools and applications to the Indian Securities Market

### **Course Learning Objectives**

The purpose of this course is to provide the students the basic understanding of security analysis and portfolio management to make Investment decisions. It requires detail study of financial instruments and method of analyzing them. This course requires good knowledge of financial management course.

### **At the end of the course, students should be able to**

1. Understand how to analyze stocks and bond for investment decisions
2. Understand how to make a portfolio of stocks, bonds and other financial instruments.
3. Understanding of weight/money allocation to different assets using portfolio optimization

## Programme Competency Goals

MBA Programme Competency Goals (PCGs)		MBA Programme Learning Objectives (PLOs)
		Students will be able to
1	<b>Technological Agility:</b> Ability to adopt relevant technologies for better business decision making.	1. Understand relevant business technologies 2. Understand future technologies in business domain
2	<b>Responsible Global Citizenship:</b> Ability to understand the interplay between local and global issues and to act with sensitivity towards ethical and social issues	3. Understand the interplay between local and global business issues 4. Demonstrate sensitivity towards ethical issues 5. Demonstrate sensitivity towards social issues 6. Address societal issues
3	<b>Effective communication:</b> Ability to effectively exchange ideas and information	7. Present their ideas with clarity 8. Prepare an organized and logical business document 9. Use technology for effective communication
4	<b>Critical Thinking:</b> Ability to identify, analyze business problems and propose effective solutions	10. Identify main issues of business problems 11. Examine information from different sources 12. Draw inferences from analysis 13. Evaluate alternatives 14. Summarize and conclude
5	<b>Leadership:</b> Ability to take initiative, inspire and collaborate with others	15. Take initiative 16. Contribute effectively in groups

## PLO-PCG Assessments Mapping Matrix

Program Learning Objectives (PLOs)	Program Competency Goals (PCGs)	Course Assessment Item
This course helps you to develop the following Program Learning Outcomes:	This course helps you to develop the following Program Competency Goals:	This learning outcome will be assessed in the following items
PLO 7	PCG3	A1, A3

PLO 12	PCG4	A4
PLO 15	PCG5	A1, A2
PLO 16	PCG 5	A2

### Evaluation Schema

The course grade will be determined based on:

Assessment Task	Weightage (Percentage)	Nature (Individual/Group)	Week of Assessment	PLOs to be Assessed
A1 Class Participation	10%	Individual	All weeks.	PLO7, PLO15
A2 Group Assignment	30%	Group	6 <sup>th</sup> week	PLO 15, PLO 16
A3 Presentation	20%	Individual	7 <sup>th</sup> / 8 <sup>th</sup> week	PLO 7
A4 End-term Examination	30%	Individual	In the JGU Examination period/week	PLO 12

### Description of Assessments:

**A1 Class Participation:** Encouraged to contribute effectively during class lecture and case discussion. Attending classes, clearing doubts, and responding to questions are major factors for good score. Negative marks for indiscipline issues.

**A2 Group Assignment:** Construct portfolio using QEPM model/Factor model.

**A3 Presentation:** Present the group assignment in groups. Though evaluation will be done on individual presentation skills. The absentees will get good assignment score but loose presentation marks.

**A4 End term examination-** The end term examination will be of **30 marks of 1.5 hours duration**. This will be an invigilated exam according to the mode, modalities and process as decided by CoE.

### Rubrics for Assessments

	<b>Poor (0-5)</b>	<b>Normal (5-10)</b>	<b>Good (10-20)</b>	<b>Excellent (20-30)</b>
<b>Understanding the problem-</b> Interpretation of the question and effort to answer in right direction. (5 Marks)	No understanding	40-50% Correct interpretation	100% correct interpretation	Following a logical path to answer the problem.
<b>Quality/Robustness of analysis</b> Quality of analysis with respect to the such as time horizon, peer group comparison,	Insufficient quality without a robust analysis	Acceptable quality and robustness of analysis	Good quality and robustness of analysis	Excellent quality and robustness of analysis.

industry analysis etc.

**(10 Marks)**

**Logical flow**

Organisation of ideas;  
Ability to sustain audience interest

**(5 Marks)**

Not attempted or entirely or significantly plagiarized from other sources.

Organisation of ideas generally clear. Presentation displays basic use of techniques (examples / headings / visuals etc) to develop audience interest.

Organisation of ideas clear. Presentation uses a variety of techniques (examples / headings / visuals etc) that are used well to sustain audience interest.

Organisation of ideas extremely clear. Presentation solidly uses varied and innovative engagement techniques (examples / headings / visuals etc) to sustain audience interest.

**Attention to Detail**

· **Group cohesion/synergy**

· Clarity of speech /eyecontact / pacing &enthusiasm

· Visual tools (e.g.,PowerPoint slides)

· Dress standard

· Citations and

Referencing

**(10 Marks)**

The problems in one or more of the areas listed prevented audience understanding.

References were absent from visuals.

The problems in one or more of the areas listed impacted audience understanding.

Group performance in all areas listed considerably assisted audience understanding.

Group performance in all areas listed was of a high quality and greatly assisted audience understanding.

**Teaching Method**

The course will have a judicious mix of lectures, storytelling, experiential exercises, and cases. Here the onus of learning will be with the student, and the instructor will be a facilitator. Instead of learning ‘what to do’, the cases will also be used as examples of real-world phenomena where issues arise, and good and bad practices are seen. The key to learning this way is to see many examples and situations and learn inductive as well as deductive ways from students’ and managers' different experiences.

**Textbook / Other Readings**

- Prasanna Chandra **(P.C)** (4th Edition): Investment Analysis and Portfolio Management, TMH.

**Suggested Readings:**

- Jordan & Fischer **(J&F)** (2008): Security Analysis and Portfolio Management, Pearson Education.
- Sudhindra Bhat **(S.B)** (2008): Security Analysis and Portfolio Management, Excel Books
- Reilly & Brown **(R.B)** (2006): Investment Analysis and Portfolio Management, Cengage Learning.
- Gyaham & DODD **(G&D)**: Security Analyses, TMH

**Session Plan**

Session Details	Topics	PLOs Covered
<b>Session 1</b>	Introduction to Financial Markets & Instruments	PLOs 7, 12, 15,16
Objective of the session	<ul style="list-style-type: none"> <li>• Classification of Indian Financial Market</li> <li>• Overview of Financial Instruments</li> </ul>	
Subtopics to be covered	Debt Market, Security Market, Debt, Equity	

Readings	To be given before session	
Case Title & Number	None	
Pedagogy	Lecture/Class teaching	
<b>Session 2-3</b>	Valuation of Shares and Bonds	PLOs 7, 12,
Objective of the session	<ul style="list-style-type: none"> <li>How to value Shares and Bonds</li> <li>Practically Understand the technical terms related to valuation of financial instrument</li> </ul>	15,16
Subtopics to be covered	Valuation of Equity & Valuation of Bonds	
Readings	To be given before session	
Case Title & Number	Vakrangee: Anatomy of Stock Valuation/FGN Bonds: Bond Valuation	
Pedagogy	Case Study	
<b>Session 4</b>	Risk and Return	PLOs 7, 12,
Objective of the session	To calculate investment returns and risk of single asset	15,16
Subtopics to be covered	Investment returns, Standalone risk	
Readings	To be given before session	
Case Title & Number	None	
Pedagogy	Class lecture	
<b>Session 5-6</b>	Portfolio Theory and Asset Pricing Model	PLOs 7, 12,
Objective of the session	To understand Portfolio risk and return	15,16
Subtopics to be covered	<ul style="list-style-type: none"> <li>Calculation of Portfolio Risk and Return (2 asset model)</li> <li>Efficient Frontier, CML, SML, and CAPM</li> <li>Modern Portfolio theory, and Optimal Portfolio</li> </ul>	
Readings	To be given before session	
Case Title & Number	Portfolio Selection and the Capital Asset Pricing Model	
Pedagogy	Case study	
<b>Session 7-8</b>	Investment Analysis of Equity Portfolio	PLOs 7, 12,
Objective of the session	Understand and make equity portfolio through Basic QEPM model	15,16
Subtopics to be covered	QEPM Models and Portfolio Construction Process: <ol style="list-style-type: none"> <li>Factor Choice</li> <li>The Data Decision</li> <li>The Screening and Ranking of Stocks with the Z-score</li> </ol>	
Readings	To be given before session	
Case Title & Number	None	
Pedagogy	Class Discussion	
<b>Session 9-10</b>	Investment Analysis of Fixed Income Portfolio	PLOs 7, 12,
Objective of the session	To understand risk in fixed income securities and price	15,16

	sensitivity of fixed income securities.	
Subtopics to be covered	Risk in fixed income securities, yield measure, spot rates, and forward rate	
Readings	To be given before session	
Case Title & Number	Asymmetric Bond Prices through Interest Rate Cycles	
Pedagogy	Case Study	
<b>Session 11</b>	Portfolio Construction	PLOs 7, 12,
Objective of the session	To allocate suitable weights of assets in portfolio and construct optimal portfolio	15,16
Subtopics to be covered	Portfolio weight	
Readings	To be given before session	
Case Title & Number	Delineating Efficient Frontier	
Pedagogy	Case Study	
<b>Session 12</b>	Portfolio Rebalancing (Guest Lecture)	PLOs 7, 12,
Objective of the session	To effectively manage and rebalance the portfolio to minimize cost of investment	15,16
Subtopics to be covered	Portfolio rebalancing	
Readings	To be given before session	
Case Title & Number	Time to rebalance	
Pedagogy	Case study	
<b>Session 13</b>	Group Presentation of Assignment	PLOs 7, 12,
Objective of the session	Help students to work in team and develop creative thinking. This will develop their communication and confidence via shared knowledge and peer learning	15,16
Subtopics to be covered	NA	
Readings	NA	
Case Title & Number	NA	
Pedagogy	Class based	
<b>Session 14</b>	Reading & Revision Week/ Examination Week*	PLOs 7, 12,
Objective of the session	NA	15,16
Subtopics to be covered	NA	
Readings	NA	
Case Title & Number	NA	
Pedagogy	NA	
<b>Session 15</b>	Reading & Revision Week/ Examination Week*	PLOs 7, 12,
Objective of the session	NA	15,16
Subtopics to be covered	NA	
Readings	NA	
Case Title & Number	NA	

Pedagogy	NA	
<p>*Elective Endterm Examinations may take place in the last week of classes.</p>		
<p><b>Disability Support</b>  JGU endeavours to make all its courses accessible to students. The Disability Support Committee (DSC) has identified conditions that could hinder a student's overall wellbeing. These include physical and mobility-related difficulties, visual impairment, hearing impairment, mental health conditions, and intellectual/learning difficulties, e.g., dyslexia and dyscalculia. Students with any known disability needing academic and other support are required to register with the Disability Support Committee (DSC) by following the procedure specified at <a href="https://jgu.edu.in/disability-support-committee/">https://jgu.edu.in/disability-support-committee/</a></p> <p>Students who need support may register any time during the semester up until a month before the end semester exam begins. Those students who wish to continue receiving support from the previous semester, must re-register within the first month of a semester. Last-minute registrations and support might not be possible as sufficient time is required to make the arrangements for support.</p> <p>The DSC maintains strict confidentiality about the identity of the student and the nature of their disability and the same is requested from faculty members and staff as well. The DSC takes a strong stance against in-class and out-of-class references made about a student's disability without their consent and disrespectful comments referring to a student's disability.</p> <p>All general queries are to be addressed to <a href="mailto:disabilitysupportcommittee@jgu.edu.in">disabilitysupportcommittee@jgu.edu.in</a></p> <p><b><i>Disclaimer: This course outline including assessments, mode, nature and weightage of assessments, sessions, sequence of sessions and/or readings may be revised during the semester if such need arises.</i></b></p>		