



**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

Jindal Global Business School
Course Outline

Course Title	Climate finance and markets
Core or Elective	Elective
Program and Batch	BBA 2023, BBA FM 2023, BBA FB 2023, BBA BA 2023, Undergraduate programs of other schools.
Semester & Academic Year	Fall 2026
Credits	3
Discipline/Area	Social Science and Humanities
Provide details if this course is a Prerequisite for any course/specialization	NA
Name of the Faculty Member/Course Instructor	Siddhartha Bhasker
Contact Details of the Faculty Member	sbhasker@jgu.edu.in
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Faculty Member's Open Office Day/s & Time	TBD based on the time table. To be conveyed in class.

Introduction to the Course

Climate change is the pressing problem of our time. We, as a world, need to reduce the greenhouse gas emissions to limit the temperature increase by less than 2 degrees, preferably less than 1.5 degrees. Two important solutions to solve this problem is climate finance and carbon markets.

We need at least USD 4.3 trillion of annual finance flows by 2030 to achieve this target. Global climate finance almost doubled up in last decade, with a cumulate USD 4.8 trillion of climate finance committed between 2011-20. This finance comes from both the government sector and the private sector and is meant towards both mitigation and adaptation efforts.

A carbon market aims to create a price for carbon emissions. It can be done either through a carbon tax or an Emission trading scheme. Carbon markets have been formed in different parts of the world, most notable are the European Union Emission trading scheme and China Emission trading scheme. India aims to start a carbon market this year. Carbon markets promote emission reduction by making high cost and energy intensive emission sources give way to low cost and energy efficient sources. Carbon credits can be bought and sold in the ETS through exchanges.

The course aims to impart the necessary knowledge of climate finance and carbon markets to the students. Both the India and the global finance and markets would be covered. After completing the course, the student will have a good knowledge of different ways to reduce the GHG emissions, the financial flows in the global fight for climate change, and carbon markets around the world. The student will be able to critically examine the role of these instruments and their importance and relevance in the fight for climate change. Different climate related startups will be discussed. Moreover, the limitations of these instruments will also be covered in the course.

The course is also important from the job market perspective. Every consultancy and finance firm has a climate change division that deal with the climate change targets for their clients. No business in today's time can neglect their climate change impacts. Even banks assess the impact of a business on climate change while making loans. Regulators ask for ESG performance of a company. Different climate change indexes have come up in rating agencies around the world. Venture capitalist funds are flowing in climate related startups. We need to prepare our students to the intricacies of climate finance and markets to make them qualified enough to work in these sectors.

Course Learning Objectives

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

1. CLO1- Understand the issues connected with climate change and greenhouse gas emissions
2. CLO2 Learn the framework of finance to solve climate change issues
3. CLO3 Understand market-based mechanisms to curb climate change
4. CLO4 Learn how businesses can play a role in the fight for climate change

Programme Competency Goals

BBA Programme Competency Goals (PCGs)		BBA Programme Learning Objectives (PLOs)
		Students will be able to
1	Responsible Global Citizenship: Ability to understand the interplay between local and global issues and to act with sensitivity towards ethical and social issues	1. Understand local business issues
		2. Understand global business issues
		3. Demonstrate sensitivity towards ethical issues
		4. Demonstrate sensitivity towards social issues
2	Effective communication: Ability to effectively exchange ideas and information	5. Present their ideas with clarity
		6. Write in a coherent manner
		7. Use technology for communication
3	Critical Thinking: Ability to identify, analyze business problems and propose effective solutions	8. Identify main issues of business problems
		9. Examine information from different sources
		10. Draw inferences from analysis
4	Teamwork: Ability to work and contribute effectively in group -settings	11. Understand the factors to work effectively in groups
		12. Contribute effectively in groups

CLO-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
PLO3,4 PLO 10	PCG 1 PCG 3	A1, A3, A5
PLO1,2 PLO 8,9	PCG 1 PCG 3	A1, A3, A4, A5
PLO1,2	PCG 1	A1, A2, A3, A4,A5

PLO 8,9	PCG 3	
PLO3,4 PLO 9,10	PCG 1 PCG3	A1,A3,A5

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	1-15	PLO1,2,3,4 PLO8,9,10
A2: Project presentation	30%	Individual/Group	10 th week	PLO1,2,3,4 PLO8,9,10
A3: Project report	30%	Individual/Group	10 th Week	PLO1,2,3,4 PLO8,9,10
A4 Endterm Examination	30%	Individual	In Examination Week	PLO1,2,3,4 PLO8,9,10

Description of Assessments:

A1- Class participation (10 marks): Class participation will be based on the discussions in class. This course is discussion based and the class will be asked questions regularly by the instructor to facilitate discussion. There are three grades of class participation. First is where the student provides a comment or starts the discussion. Second is where the student asks a question based on what is being taught in class. Third is when the instructor asks a question and is to be answered in class. The student is expected to take part on all these three grades of class participation.

A2: Project presentation (30 marks)

In this assessment, the student will choose a topic from Climate finance and Markets and make a 10-15 minutes presentation to be delivered in class. This assessment can be done either in a group or individual. The group size should not exceed 5.

The rubrics for assessment is provided below: (Note: This is a rough rubric and the final rubric will be prepared with the assistance of students and their feedback)

Reflection Paper Rubric

Category	Points				
	5	4	3	2	1
Organization	Information is very organized with well constructed paragraphs, use of subheadings, and information is factual and correct	Information is organized with well constructed paragraphs and information is factual and correct	Information is organized but paragraphs are not well constructed and information is factual	The information appears to disorganized information is suspect to being correct and factual	Information is not only disorganized but inaccurate
Quality of Information	Information clearly relates to the main topic. It includes several supporting details and/or examples	Information clearly relates to the main topic. It provides 1 – 2 supporting details and/or examples	Information clearly relates to the main topic. No details and/or examples or given	Information has little to do with the main topic	Information has nothing to do with the main topic
Mechanics	No grammatical, spelling or punctuation errors	Almost no grammatical, spelling, or punctuation errors	A few grammatical, spelling, or punctuation errors	Many grammatical, spelling, or punctuation errors	Way to many for a college student getting ready to enter the health education field
Sources	All sources are accurately documented in the desired format (APA)	All sources are accurately documented, but a few are not in the desired format (APA)	All sources are accurately documented, but many are not in the desired format (APA)	Some sources are not accurately documented	To many sources are not documented accurately and there is not a format used

A3: Project report (30 marks)

In this assessment, the student will write a report on the same topic which they have presented. The report should be 4-5 pages long and explain the essence of the topic clearly. The rubrics for assessment will be the same as the project presentation except the speaking component will be replaced with the writing component. The student has to submit the report two weeks before the term ends.

A4 End term: 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.

Teaching Method

This course will be lecture based and will depend on discussions in class for smooth functioning. The instructor will narrate different real life examples from the field of climate finance and markets and students are also expected to come with some of these examples. As this is a new field, it is expected that the class come up with a complete and critical understanding of the area and is able to contribute to the growing discussions around the applicability and viability of climate finance.

Textbook / Other Readings

Textbook:

1. Carbon finance: The financial implication of climate change. By Sonia Labatt, Rodney R White. Wiley. 2007 (CB from here on)
2. Handbook of international climate finance. By Axel Michaelowa and Anne Kathrin. Edward Elgar Publishing. 2022. (HICF from here on)

3. Other readings and reports will be provided by the instructor through email before the relevant session.

Session Plan

Session Details	Topics	CLOs Covered
Part 1: INTRODUCTION		
Session 1	The problem: Climate change	CLO1
Objective of the session	To discuss the housekeeping rule, course manual, and introduce students to climate change	
Subtopics to be covered	<ul style="list-style-type: none"> - Greenhouse effect - Gases and temperature - Impact of climate change - Impact on India 	
Readings	Reading1: https://www.britannica.com/science/greenhouse-effect Reading2: https://www.globalchange.gov/browse/indicators/annual-greenhouse-gas-index#:~:text=The%20Annual%20Greenhouse%20Gas%20Index,of%20long%2Dlived%20greenhouse%20gases Reading 3: https://public.wmo.int/en/media/news/climate-change-impacts-highlight-need-action-cop24 Reading 4: https://www.worldbank.org/en/news/feature/2013/06/19/india-climate-change-impacts	
Case Title & Number	N/A	
Pedagogy	Lecture/Discussion	
Session 2	On your mark: Basic concepts	CLO1
Objective of the session		
Subtopics to be covered	<ul style="list-style-type: none"> - Carbon budget - Mitigation - Adaptation - Energy in India and the world 	
Readings	Reading 1:	

	Chapter 1 from CB Reading 2: https://yaleclimateconnections.org/2021/11/four-voices-from-cop26-on-paris-climate-agreement-1-5-degrees-c-target/ Reading 3: https://www.scidev.net/global/features/joint-action-climate-change-facts-figures/	
Case Title & Number	N/A	
Pedagogy	Lecture/Discussion	
Session 3	The new kid on the block: Climate finance	CLO 2,4
Objective of the session	To give an overview of climate finance	
Subtopics to be covered	<ul style="list-style-type: none"> - Where is the money going? - Volume of climate finance - Public and private climate finance - Blended finance 	
Readings	Reading 1: Chapter 1 of HICF Reading 2: CIP Global Landscape of Climate finance: A decade of data Reading 3: SCF report on Climate finance Reading 4: https://www.reuters.com/investigates/special-report/climate-change-finance/	
Case Title & Number	N/A	
Pedagogy	Lecture/Discussion	
Session 4	The story continues: Climate finance	CLO 2,4
Objective of the session	To get an overview of Climate finance	
Subtopics to be covered	<ul style="list-style-type: none"> - Mitigation finance - Adaptation finance - Climate finance by instrument - Fossil fuel subsidies 	
Readings	Reading 2 and 3 from Session 3 Reading 1: https://www.imf.org/en/Topics/climate-change/	

	energy-subsidies	
Case Title & Number	N/A	
Pedagogy	Lecture/Discussion.	
PART II: PUBLIC CLIMATE FINANCE		
Session 5	Planting the seed: Fast track finance	CLO1,2
Objective of the session	To discuss fast track finance	
Subtopics to be covered	<ul style="list-style-type: none"> - Polluter pays principle - Comparative economic impact - Global Public good. - Fast track finance. 	
Readings	Chapter 5 of HICF	
Case Title & Number	N/A	
Pedagogy	Lecture/Discussion.	
Session 6	The Jagat Seths: Multilateral Development Banks and Climate finance	CLO 1,2
Objective of the session	To understand the role of MDBs in climate finance	
Subtopics to be covered	<ul style="list-style-type: none"> - Role MDBs play - MDB financing in LMIC - MBD financing in HI countries - Share of climate finance of total finance by MDBs 	
Readings	Reading 1: https://www.wallstreetmojo.com/multilateral-development-bank/ Reading 2: https://www.eib.org/attachments/lucalli/mdbs_joint_report_2021_en.pdf Reading 3: Ch 11, HICF	
Case Title & Number	N/A	
Pedagogy	Lecture/Discussion	
Session 7	The Conduits: Multilateral Climate funds	CLO2,4
Objective of the session	To understand the Climate finance role of Multilateral Climate fund	
Subtopics to be covered	<ul style="list-style-type: none"> - Different Multilateral Climate funds involved in Climate financing 	

	<ul style="list-style-type: none"> - Clean Technology fund - Least Developed Countries fund - Amazon Fund 	
Readings	<p>These websites have to be explored as a reading for this session.</p> <p>Reading 1: https://climatefundsupdate.org/the-funds/</p> <p>Reading 2: https://www.cif.org/</p> <p>Reading 3: https://www.thegef.org/what-we-do/topics/least-developed-countries-fund-ldcf</p> <p>Reading 4: https://www.amazonfund.gov.br/en/home/</p>	
Case Title & Number	N/A	
Pedagogy	Lecture/Discussion.	
Session 8	The King of funds: Green Climate Fund	CLO 2
Objective of the session	To learn about the Green Climate Fund	
Subtopics to be covered	<ul style="list-style-type: none"> - Overview of GCF - Data connected to GCF - GCF Accountability - GCF project example 	
Readings	<p>Reading 1: Chapter 6 of HICF</p> <p>Reading 2: Website: https://www.greenclimate.fund/</p> <p>Reading 3: Data used: https://data.greenclimate.fund/public</p>	
Case Title & Number	N/A	
Pedagogy	Lecture/Discussion	
Session 9	Inside Countries: National Climate Funds	CLO 1, 2
Objective of the session	To discuss National Climate Funds	
Subtopics to be covered	<ul style="list-style-type: none"> - What is a National Climate fund? - Sources and examples of NCF - Rwanda Green Climate fund - Indonesia Climate Change Trust fund 	
Readings	Reading 1 (Research paper):	

	https://www.tandfonline.com/doi/full/10.1080/14693062.2022.2027223#:~:text=The%20national%20climate%20funds%20are,funded%20from%20external%20resources%20alone. Reading 2: Chapter 7, HICF Reading 3 (Website): https://www.icctf.or.id/ Reading 4 (Website): http://www.fonerwa.org/private-sector/about	
Case Title & Number	N/A	
Pedagogy	Lecture/Discussion	
PART III: Private Climate Finance		
Session 10	Formals and suitcases: Corporations and Climate Finance	CLO 2, 4
Objective of the session	To understand corporation initiatives towards Climate finance.	
Subtopics to be covered	<ul style="list-style-type: none"> - RE100 initiative - EP100 initiative - EV100 initiative - Science based target initiative 	
Readings	Reading 1: RE100 annual disclosure report 2022 Reading 2: EP100 progress and insights report 2023 Reading 3: EV100 progress and insights report 2023 Reading 4: Foundations for science-based net zero target setting in the corporate sector, Version 10. Reading 5: Chapter 17 from HICF	
Case Title & Number	N/A	
Pedagogy	Lecture/Discussion	
Session 11	007: Climate Bonds	CLO 2, 4
Objective of the session	To discuss Climate Bonds	
Subtopics to be covered	<ul style="list-style-type: none"> - Overview of the Climate bond market - Green bond - Greenwashing. 	

	- Sustainability and transition bonds.	
Readings	<p>Reading 1: Climate Bond Initiative report on the global state of the market, 2022</p> <p>Reading 2 (blog): https://blogs.worldbank.org/climatechange/india-incorporates-green-bonds-its-climate-finance-strategy</p> <p>Reading 3 (website): https://www.volkswagen-newsroom.com/en/press-releases/volkswagen-successfully-places-first-green-bonds-with-a-volume-of-2-billion-6424</p> <p>Reading 4 (website): https://reclaimfinance.org/site/en/our-fights/green-bonds-watch-out-it-could-be-a-trap/</p>	
Case Title & Number	N/A	
Pedagogy	Lecture/Discussion	
Session 12	The Young guns: ClimateTech	CLO 3
Objective of the session	To understand the startup ecosystem for Climate change	
Subtopics to be covered	<ul style="list-style-type: none"> - Overview of Climatetech - Challenge areas for Climatetech - Aspiration: Company - Blue Tribe: Company 	
Readings	<p>Reading 1 (report): PwC State of the Climate Tech 2021</p> <p>Reading 2 (website): https://www.aspiration.com/</p> <p>Reading 3 (website): https://www.bluetribefoods.com/collections/shop</p>	
Case Title & Number	N/A	
Pedagogy	Lecture/Discussion	
Session 13	Guest lecture 1	CLO 1
Objective of the session	To bring experience of real-life business practitioners to class.	
Subtopics to be covered	-	
Readings	NA	
Case Title & Number	N/A	

Pedagogy	Lecture/Discussion	
Session 14	Bits and pieces: Ratings, Insurance and ESG	CLO 4
Objective of the session	To discuss ratings insurance and ESG for climate transition.	
Subtopics to be covered	<ul style="list-style-type: none"> - Climate change performance index - State energy and climate index - Weather derivatives and Catastrophe bonds - Environment Social and Governance. 	
Readings	<p>Reading 1: State Energy and Climate Index, NITI Aayog (Report)</p> <p>Reading 2: Chapter 8, CF</p> <p>Reading 3 (website): https://ccpi.org/</p> <p>Reading 4: Who Cares wins (Report)</p> <p>Reading 5: ESG Investing and Climate Transition (Report)</p>	
Case Title & Number	N/A	
Pedagogy	Lecture/Discussion	
Session 15	The Sisterhood: Climate finance and gender	CLO 1, 2
Objective of the session	To understand the gender aspects of Climate finance and climate change	
Subtopics to be covered	<ul style="list-style-type: none"> - Gender and Climate Change - Gender and Climate funds - Gender Analysis - Recommendation for leaders 	
Readings	<p>Reading 1: Gender and Climate finance, Climate Funds Update</p> <p>Reading 2: Gender and Climate finance, GGCA and UNDP</p> <p>Reading 3: We can't fight climate change without fighting gender equity, Harvard Business Review.</p> <p>Reading 4: Gender Action Plan, UNFCCC</p> <p>Reading 5: Gender Analysis and Nationally determined</p>	

	Contributions, UNDP Reading 6 (website): Bagepalli CDM biogas project https://cdm.unfccc.int/Projects/DB/DNV-CUK1131002343.1/view?cp=1 Reading 7 (website): Gender Climate Tracker https://genderclimatetracker.org/womens-participation-party-delegations	
Case Title & Number	N/A	
Pedagogy	Lecture/Discussion	
Session 16	Machine is learning: Climate finance and AI	CLOs Covered
Objective of the session	To understand climate finance	
Subtopics to be covered	<ul style="list-style-type: none"> - Climate change and AI - Sectoral impact of AI - Climate finance and AI <p>The other side of AI: Negative effects</p>	CLO 1, 2
Readings	<p>Reading 1: Tacking climate change with Machine learning (Research paper)</p> <p>Reading 2: How AI can be a powerful tool in the fight against climate change? (Report)</p> <p>Reading 3: Climate Change and AI (report)</p> <p>Reading 4: (website) https://climatetrace.org/</p>	
Case Title & Number	N/A	
Pedagogy	Lecture/Discussion	
Session 17	The dirty game: Climate finance and politics	CLO 2
Objective of the session	To understand the politics of climate change and climate finance.	
Subtopics to be covered	<ul style="list-style-type: none"> - Actors in Climate politics - Climate politics in important countries - Paris finance summit 	

	- Green Investment Banks in UK and Australia	
Readings	<p>Reading 1: Multilateral Climate finance politics (Research paper)</p> <p>Reading 2: Let IPCC take the heat out of climate finance (Nature commentary)</p> <p>Reading 3: The politics of climate finance: Consensus and partisanship in designing green state investment banks in the United Kingdom and Australia (Research paper)</p> <p>Reading 4: https://www.downtoearth.org.in/news/climate-change/paris-finance-meet-key-takeaways-from-a-summit-that-showed-the-scale-of-the-challenge-ahead-90239</p> <p>Reading 5: https://www.downtoearth.org.in/blog/climate-change/explaining-climate-clubs-rich-countries-are-turning-to-climate-industrial-deals-with-friendly-countries-90378</p> <p>Reading 6: https://www.pewresearch.org/short-reads/2023/08/09/what-the-data-says-about-americans-views-of-climate-change/#:~:text=Americans%20see%20room%20for%20multiple,the%20effects%20of%20climate%20change.</p> <p>Reading 7: https://www.consilium.europa.eu/en/policies/climate-change/#:~:text=Under%20the%20European%20climate%20law,climate%2Dneutral%20EU%20by%202050</p>	
Case Title & Number	N/A	
Pedagogy	Lecture/Discussion	
Session 18	The Components: Sectoral spread of Climate finance	CLO 2, 4
Objective of the session	To analyse climate finance going to different sectors of the economy.	
Subtopics to be covered	<ul style="list-style-type: none"> - Climate finance in energy sector - Climate finance in transport sector 	

	<ul style="list-style-type: none"> - Climate finance in Buildings and Infrastructure - Climate finance in AFOLUF and water. 	
Readings	<p>Reading 1: World Energy Investment 2023, International Energy Association.</p> <p>Reading 2: Global Electric Vehicle Outlook, 2022, IEA</p> <p>Reading 3: Landscape of Climate finance for AFOLUF, CPI</p> <p>Reading 4: Water and Wastewater, OECD</p>	
Case Title & Number		
Pedagogy	Lecture/Discussion	
Session 19	It's the economy stupid: Climate finance and Macroeconomy	CLO 1, 2
Objective of the session	To understand the intersection between climate finance and Macroeconomy	
Subtopics to be covered	<ul style="list-style-type: none"> - Climate risks to the economy - Central banks and climate change - Green growth and degrowth - Indian economy and climate change. 	
Readings	<p>Reading 1: Report on Currency and finance, 2022-23, RBI</p> <p>Reading 2: Scaling clean energy through climate finance, Columbia University, https://www.energypolicy.columbia.edu/publications/policy-note-scaling-clean-energy-through-climate-finance-innovation/</p>	
Case Title & Number	N/A	
Pedagogy	Lecture/Discussion	
Session 20	Swades: India and Climate finance	CLO 3
Objective of the session	To look at climate change, climate finance, and India	
Subtopics to be covered	<ul style="list-style-type: none"> - Climate risk index - India's Nationally determined contribution - National Action plan on Climate change - Climate finance in India 	

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Readings	<p>Reading 1: Global Climate risk index 2021 (Report)</p> <p>Reading 2: India's updated first Nationally determined contribution</p> <p>Reading 3: National Action plan on Climate change, GOI</p> <p>Reading 4: https://www.reuters.com/investigates/special-report/climate-change-finance/</p>	
Case Title & Number	N/A	
Pedagogy	Lecture/Discussion.	
Session 21	Monetize carbon: Carbon pricing overview	CLO 1, 3
Objective of the session	To give an overview of the carbon pricing around the world.	
Subtopics to be covered	<ul style="list-style-type: none"> - Carbon tax - Emission trading scheme - Carbon crediting mechanism - Carbon prices around the world. 	
Readings	<p>Reading 1:</p> <ul style="list-style-type: none"> • Carbon tax, what why and how, Marron D, Toder E, Austin L, June 2015. <p>Reading 2:</p> <ul style="list-style-type: none"> • Chapter 2, Emission trading schemes and their linkages: Challenges in Asia and the Pacific, Asian Development Bank. <p>Reading 3: States and trends in carbon pricing, 2023, World Bank group.</p>	
Case Title & Number	N/A	
Pedagogy	Lecture/Discussion.	
Session 22	The Desi Bazaar: Carbon price in India	CLO 3, 4
Objective of the session	To discuss carbon pricing like mechanisms in India	
Subtopics to be covered	<ul style="list-style-type: none"> - Clean Development Mechanism - Perform, Achieve, and trade scheme - Renewable Energy certificates - Upcoming carbon markets in India 	

Readings	Introduction to CDM https://unfccc.int/files/cooperation_and_support/capacity_building/application/pdf/unepcdmintro.pdf Renewable Energy Certificates http://www.sustainabilityoutlook.in/content/abc-renewable-energy-certificates-india Perform Achieve and Trade https://beeindia.gov.in/content/pat-cycle	
Case Title & Number	N/A	
Pedagogy	Lecture/Discussion	
PART V: CARBON MARKETS		
Session 23	The dragon market: Carbon Markets in China	CLO 1, 3
Objective of the session	To discuss the carbon markets in China	
Subtopics to be covered	<ul style="list-style-type: none"> - CDM and China - Chinese pilot market - Chinese National ETS - Updates on Chinese ETS. 	
Readings	Reading 1: States and trends in Carbon Pricing, 2022 Reading 2: States and trends in Carbon Pricing, 2020 Reading 3: China policy, Carbon brief: https://www.carbonbrief.org/in-depth-qa-will-chinas-emissions-trading-scheme-help-tackle-climate-change Reading 4: Carbon brief, how will China's carbon trading scheme work https://www.carbonbrief.org/qa-how-will-chinas-new-carbon-trading-scheme-work	
Case Title & Number	N/A	
Pedagogy	Lecture/Discussion.	
Session 24	The first movers: European Union Emission trading scheme.	CLO 3
Objective of the session	To look at the carbon markets in Europe	
Subtopics to be covered	<ul style="list-style-type: none"> - Introduction to EU ETS - Phases of EU ETS 	

	<ul style="list-style-type: none"> - Carbon price in EU ETS - Other carbon taxes in Europe 	
Readings	Reading 1: https://ec.europa.eu/clima/policies/ets_en	
Case Title & Number	N/A	
Pedagogy	Lecture/Discussion	
Session 25	Uncle Sam markets: Carbon markets in the USA	CLO 3
Objective of the session	To discuss carbon markets in the USA.	
Subtopics to be covered	<ul style="list-style-type: none"> - US Carbon pricing initiative - Regional Greenhouse gas initiative - California Emission trading scheme. - Carbon prices in RGGI and California ETS. 	
Readings	Reading 1: EDF RGGI Case study Reading 2: EDF California ETS case study.	
Case Title & Number	N/A	
Pedagogy	Lecture/Discussion	
Session 26	The maple leaf markets: Carbon markets in Canada.	CLO 2,3
Objective of the session	To understand carbon markets in Canada	
Subtopics to be covered	-	
Readings	Reading 1: https://www.canada.ca/en/environment-climate-change/services/climate-change/pricing-pollution-how-it-will-work.html Reading 2: https://www.alberta.ca/technology-innovation-and-emissions-reduction-regulation.aspx Reading 3: https://www2.gov.bc.ca/gov/content/environment/climate-change/clean-economy/carbon-tax Reading 4: https://icapcarbonaction.com/en/ets/canada-quebec-cap-and-trade-system	
Case Title & Number	N/A	

Pedagogy	Lecture/Discussion	
Session 27	Voluntary carbon markets	CLO 1
Objective of the session	To understand various carbon crediting policies	
Subtopics to be covered	<ul style="list-style-type: none"> - Concepts and role of crediting mechanisms in climate action. - Overview of the crediting mechanisms. - Overview of crediting mechanisms.. 	
Readings	Chapter 2: States and trends in carbon pricing 2020 https://openknowledge.worldbank.org/bitstream/handle/10986/33809/9781464815867.pdf?sequence=4&isAllowed=y	
Case Title & Number	N/A	
Pedagogy	Lecture/Discussion	
Session 28	Guest lecture 2	
Objective of the session	To bring experience of real-life business practitioners to class.	
Subtopics to be covered	-	
Readings	NA	
Case Title & Number	N/A	
Pedagogy	Lecture/Discussion	
Session 29	Revision	CLO 1,2,3,4
Objective of the session	To revise the concepts taught in class	
Subtopics to be covered	- All concepts covered in class till then	
Readings	All the above readings	
Case Title & Number		
Pedagogy	Lecture/Discussion	
Session 30	Revision	CLO 1,2,3,4
Objective of the session	To revise concepts taught in class	
Subtopics to be covered	All concepts taught in class.	
Readings	All the above readings.	
Case Title & Number		
Pedagogy	Lecture/Discussion	

*Elective Endterm Examinations may take place in the last week of classes.

Disability Support

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 <https://jgu.edu.in/disability-support-committee/>

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.

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.

All general queries are to be addressed to disabilitysupportcommittee@jgu.edu.in

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.