



NALSAR University of Law Justice City:: Shameerpet:: Hyderabad

| Particulars of the Course                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Course Title:                                                    | Environmental Humanities                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Course Type                                                      | SSS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Course offered to                                                | III Year                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Credits                                                          | 3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Preferred Dates for conduct of Course (Jan-April) (July-October) | August-September (2days a week preferably)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Brief Description on Course (Maximum 500 words)                  | The course deals with environmental humanities as a field and provides insight into how to work with environmental humanities in different fields of knowledge. The course provides in-depth knowledge of how environmental humanities critically examine, broaden and understand environmental issues and sustainability work. Through reading classic and contemporary texts, a deeper understanding of the emergence of the field and the genealogy of knowledge as well as theoretical perspectives in the field is provided.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Learning Outcomes                                                | <p>In terms of knowledge and understanding</p> <ul style="list-style-type: none"><li>• Demonstrate familiarity with environmental humanities as a field, its knowledge genealogy and place within different disciplines.</li><li>• Demonstrate familiarity with contemporary uses of environmental humanities</li><li>• Demonstrate in-depth knowledge of different analytical methods in environmental humanities.</li></ul> <p>In terms of skills and abilities</p> <ul style="list-style-type: none"><li>• Demonstrate the ability to analyze and discuss texts and presentations orally and in writing, using different theoretical perspectives in environmental humanities.</li><li>• Demonstrate an understanding of how to work with environmental humanities in different fields of knowledge.</li><li>• Demonstrate the ability to reflect on the application of environmental humanities to different sustainability challenges.</li></ul> <p>In terms of value capacity and approach</p> <ul style="list-style-type: none"><li>• Critically analyze, discuss and problematize different perspectives in environmental humanities.</li></ul> |
| Course Modules                                                   | 8                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Scheme of Evaluation                                             | Assignment: 25M<br>Project : 75M                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Selection Criteria, if any<br>^^                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |



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^^ (in general Draw of Lots will be criteria ... plz specify if any other criteria to be followed)

1. Carson, R. 1962/2000. Silent spring. Harmondsworth: Penguin Books, Chapter 1–3
2. Coates, P. 2005. "The Strange Stillness of the Past: Toward an Environmental History of Sound and Noise". In Environmental History vol 10, No 4, 636-665  
<https://www.journals.uchicago.edu/doi/10.1093/envhis/10.4.636>
3. Howe, C., Pandian, A., Archer, M., Banerjee, A., Barnes, J., & Ba aglia, D. (2020). Anthropocene Unseen: A Lexicon. Punctum Books.  
<https://dx.doi.org/10.1353/book.84184>. <https://muse.jhu.edu/book/84184>
4. Kings, A.E. 2017. "Intersectionality and the Changing Face of Ecofeminism". Ethics and the Environment 22(1), 63-87.
5. Kroijer, S & Rubow, C. 2022 "Introduction: Enchanted Ecologies and Ethics of Care" Environmental Humanities, 375-384.
6. Oksala, J. 2023. Feminism, Capitalism, and Ecology. Evanston: Northwestern UP. 31-61
7. Warren, K. J. (1990) "The Power and the Promise of Ecological Feminism". Environmental Ethics 12(2), 125-146.
8. Mathews, A, S. 2017. "Ghostly forms and forest histories" In: Arts of Living on a Damaged Planet. Eds. A Tsing, H Swanson, E. Gan & N. Bubandt. University of Minnesota Press. G.145-156

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## NALSAR UNIVERSITY OF LAW

| Particulars of the Course                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|-------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Course Title:                                                           | Trade Policy and Sustainable Human Development                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Course Type                                                             | Elective                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Course offered to                                                       | B.A., LL. B (Hons.) (4 <sup>th</sup> and 5 <sup>th</sup> Years)/ LL.M/<br>Course is Offered to Both                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Credits (1 credit or 2 credits)                                         | 1 credit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Any prerequisites (in terms of courses that should have been completed) | Some basic economics 101 and international law (especially trade law) courses are both desirable but not a prerequisite.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Preferred Dates for Classes:                                            | <u>The available slots will be mailed to you to pick your suitable slot.</u><br><u>The first week of September 2025 has already been indicated by me to Dr Rosmy Joan and it was agreed.</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Brief Description of the Course (maximum 500 words)                     | <p>The course will begin by establishing the relationship between trade, economic growth and sustainable human development. It will posit that trade is not an end, but only one means to human development. The course will also establish the relationship between trade and industrial policy and posit the view that the major objective of a forward-looking and dynamic trade policy should be a diversified industrial and services economy.</p> <p>The course will then discuss multilateral, plurilateral and bilateral trade agreements and rules, giving examples of each. It will argue that these will need to recognize that there is no “one-size-fits-all” and trade rules and agreements should be judged by whether they provide adequate policy space for appropriate trade and industrial policies which maximize the positive synergies between such policies and sustainable human development. As part of this, the course will also look at the history of investment agreements and attempts to include it in the context of different types of trade agreements.</p> <p>The course will then provide an UpToDate summary of the Trump 2.0 Administration’s globally disruptive trade and tariff policies with all their recent upheavals and on-off history since Trump began President of the United States again on 20 January 2025. It will provide a summary of all its actual and likely political economy implications and impacts in the United States and around the world, with a particular focus on the April 2 “Liberation Day reciprocal tariffs”, their pause till July 9, and what comes next.</p> <p>This module will specifically address the following issues: will the policies balance the US trade deficit with the world? Will they provide the US with an alternative source of revenue to reduce its current USD 36.1 trillion debt and balance its severe budget deficits? What have been</p> |



|                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                    | <p>the impact of counter-tariff and other measures especially by China. Is the economic history of the 1930s Great Depression at risk of repeating itself?</p> <p>The next two modules will then focus on the impact of the global trade and tariff war on India and China in particular.</p> <p>In the case of India what are the perils and opportunities? Is the proposed Indian-US Bilateral Trade Agreement part of the perils for India or part of the opportunities? Should India prioritize the Regional Economic Cooperation Framework which it did not sign at the ASEAN 2020 Summit in Hanoi now? Was that a missed opportunity for India? How can India diversify its trade relationship to make it less reliant on an increasingly unreliable USA?</p> <p>In the case of China, does the US have any real strategy? Does China have the upper hand given its decade old trade diversification strategy, its long-term plan and strategy, its staying power and formidable resources as well as its dominant control over the world's rare earth minerals and their processing technology?</p> <p>The course will conclude by reaffirming that trade is only a means and not an end. It can contribute to economic growth, poverty reduction and sustainable human development but the relationship is neither automatic nor always positive. It will end by suggesting the key ways in which the relationship between trade and sustainable human development can be made a mutually beneficial one.</p> |
| Number of Modules in the Course    | 5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Scheme of Evaluation               | Class Participation, written paper assignment at end                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Maximum Number of Students Allowed | 50                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Selection Criteria, if any         | <p>University Criteria are fine, but selection should not be entirely random. Genuine interest in this course is necessary.</p> <p><i>(The University's default method of allocation is by draw of lots. For exceptionally strong reasons, the University may consider other criteria suggested by you).</i></p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |

## SECTION B: MODULE DETAILS AND LECTURE PLAN

|                             |                                                                                                                                                                                                             |
|-----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Module 1</b>             | The relationship between trade, economic growth, industrial policy, poverty reduction and sustainable human development                                                                                     |
| <b>Module Outcome (MO1)</b> | Upon completion of the module, students should be able to: Understand the concept of sustainable human development and clearly make the links between it and trade, economic growth, and industrial policy. |





| Topics |                                                                          | Hours | Reference Material                                                                    |
|--------|--------------------------------------------------------------------------|-------|---------------------------------------------------------------------------------------|
| 1      | The Idea, Concept and Measurement of Sustainable Human Development (SHD) | 2     | UNDP Human Development Reports and Index                                              |
| 2      | The relationship between SHD and trade                                   | 1     | Making Global Trade Work for People (Earthscan, London, UK), 2003 available on Amazon |
| 3      | Trade and industrial policy                                              | 1     | Material too be provided by Professor                                                 |

| <b>Module 2</b>             | Multilateral, Plurilateral and Bilateral Trade Rules and Agreements                                                                                                                                                                                   |       |                                                                                 |
|-----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|---------------------------------------------------------------------------------|
| <b>Module Outcome (MO2)</b> | Upon completion of the module, students should be able to understand each of these and their differences as well as the major pros and cons each presents and why multilateralism and multilateral trade agreements are best for developing countries |       |                                                                                 |
| Topics                      |                                                                                                                                                                                                                                                       | Hours | Reference Material                                                              |
| 1                           | Multilateral, Plurilateral and Bilateral Trade Agreements with examples and illustrations of each                                                                                                                                                     | 3     | Making Global Trade Work for People, other material to be provided by professor |
| 2                           | Investment and TRIPs in Free Trade Agreements and Bilateral Investment Agreements: History and Current Practice                                                                                                                                       | 2     | Papers to be provided by Professor                                              |

| <b>Module 3</b>             | Trump 2.0 and the Global Trade and Tariff War: Recent History and Current Status          |       |                                                                                            |
|-----------------------------|-------------------------------------------------------------------------------------------|-------|--------------------------------------------------------------------------------------------|
| <b>Module Outcome (MO3)</b> | Upon completion of the module, students should be able to                                 |       |                                                                                            |
| Topics                      |                                                                                           | Hours | Reference Material                                                                         |
| 1                           | Measures proposed, undertaken, their status, impacts and domestic and global implications | 2     | Recent articles and papers written by the Professor, other reading material to be provided |

|                             |                                                             |  |  |
|-----------------------------|-------------------------------------------------------------|--|--|
| <b>Module 4</b>             | Trump 2.0's Trade and Tariff War and Implications for India |  |  |
| <b>Module Outcome (MO4)</b> | Upon completion of the module, students should be able to   |  |  |



| Topics |                                                                                                                         | Hours | Reference Material                        |
|--------|-------------------------------------------------------------------------------------------------------------------------|-------|-------------------------------------------|
| 1      | The Perils                                                                                                              | 1     | Material too be provided by the Professor |
| 2      | The Opportunities                                                                                                       | 1     | Material to be provided by the Professor  |
| 3      | The India-US Bilateral Trade Agreement, the Regional Economic Cooperation Framework and the India-EU Trade negotiations | 1     | Material to be provided by the Professor  |

| <b>Module 5</b>             | Trump 2.0s Trade and Tariff War: Implications for the World Economy and Response and Position of China |       |                                          |
|-----------------------------|--------------------------------------------------------------------------------------------------------|-------|------------------------------------------|
| <b>Module Outcome (MO5)</b> | Upon completion of the module, students should be able to                                              |       |                                          |
| Topics                      |                                                                                                        | Hours | Reference Material                       |
| 1                           | Global Economic Implications                                                                           | 1     | Material to be provided by the Professor |
| 2                           | Response and Position of China                                                                         | 1     | Material to be provided by the Professor |

*(If there are more than 5 modules, please insert them using the same format as above)*

#### SECTION D: ASSESSMENT

| Pattern             |                                                                                                 |  |       |
|---------------------|-------------------------------------------------------------------------------------------------|--|-------|
| Type                | Description                                                                                     |  | Marks |
| Project             |                                                                                                 |  |       |
| Assignment          | A hypothetical written scenario will be provided as the basis for the end of course assignment. |  | 80    |
| End Exam            |                                                                                                 |  |       |
| Class Participation | Participants will be judged on the quality of their class discussion and questions.             |  | 20    |
|                     |                                                                                                 |  |       |
|                     | <b>Total</b>                                                                                    |  | 100   |





## NALSAR UNIVERSITY OF LAW

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|----------------------|---------------------------------------------------|-----------------------|-----------------|
| <b>Course Title:</b> | Sustainable Corporate Finance: Legal Implications | <b>Participants:</b>  | LLB: IV/V & LLM |
| <b>Course Type:</b>  | Elective / Social Sc. Seminar                     | <b>Course Credits</b> | 2 Credits       |

|                                   |                                                      |                                                                               |
|-----------------------------------|------------------------------------------------------|-------------------------------------------------------------------------------|
| <b>Maximum number of Students</b> | <b>45</b>                                            | Any Prerequisites: Basic understanding of corporate law/financial regulation. |
| <b>Preferred Dates</b>            | Between 1 <sup>st</sup> – 30 <sup>th</sup> of August |                                                                               |

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|
| <b>Course Outline:</b>  | Climate change is a worldwide phenomenon. Growing concerns have been raised on how the corporations have led their business. Activism, fixing responsibility and protest are some new age counter measures against the inaction of boards. The law governing climate concerns and green initiatives are passed to show regulatory commitment to climate. The role of stakeholders have become crucial to meet the net zero. The current academics show that the board are ignorant of these issues except on few instances. The promise to consider stakeholder's position requires relooking. This course offers an insight into pressing concerns over the board governance. It also illustrates a divide between current approach and seeks possible solution for green business. This course critically examines the intersection between sustainable corporate finance and the legal frameworks that govern it. Students will explore how sustainability impacts corporate financial decisions, the role of legal regulations in promoting sustainable practices, and the implications of non-compliance. |                                                                                                |
| <b>Course Outcomes:</b> | Upon completion of the course, students should be able to                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                |
|                         | <b>CO1:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Understand the principles of sustainable corporate finance.                                    |
|                         | <b>CO2:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Analyze the legal frameworks and regulations governing sustainable finance                     |
|                         | <b>CO3:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Evaluate the implications of sustainable finance on corporate governance.                      |
|                         | <b>CO4:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Explore case studies on legal challenges and compliance in sustainable finance.                |
|                         | <b>CO5:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Develop skills to navigate and apply legal considerations in sustainable financial strategies. |

### SECTION B: MODULE DETAILS AND LECTURE PLAN



| <b>Module 1</b>             |                                                                          | Introduction: climate change and economic activity                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|-----------------------------|--------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Module Outcome (MO1)</b> |                                                                          | Upon completion of the module, students should be able to Understand the principles of sustainable corporate finance and challenges. |                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Topics                      |                                                                          | Hours                                                                                                                                | Reference Material                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| 1                           | Interlinkages between climate change, economic activity and corporations | 2                                                                                                                                    | Johan Rockström et al., 'A safe operating space for humanity' 461 Nature 472 (2009).<br><br>The Carbon Majors Database CDP Carbon Majors Report 2017.<br><br>Business Roundtable, Statement on the Purpose of a Corporation (2019), available at <a href="https://opportunity.businessroundtable.org/ourcommitment/">https://opportunity.businessroundtable.org/ourcommitment/</a> .                                                                     |
| 2                           | The firm's objective function and corporation functioning                | 2                                                                                                                                    | Madison Condon, 'Market Myopia's Climate Bubble', 1 Utah Law Review 63 (2022)<br><br>Milton Friedman, The Social Responsibility of Business Is to Increase Its Profits (Sept. 13, 1970), available at: <a href="https://www.nytimes.com/1970/09/13/archives/a-friedman-doctrine-the-social-responsibility-of-business-is-to.html">https://www.nytimes.com/1970/09/13/archives/a-friedman-doctrine-the-social-responsibility-of-business-is-to.html</a> . |
| 3                           | Firms' objective functions and governance issues                         | 2                                                                                                                                    | Oliver Hart & Luigi Zingales, Companies Should Maximize Shareholder Welfare Not Market Value, (2017) 2 Journal of Law, Finance and Accounting 247.                                                                                                                                                                                                                                                                                                       |
| 4                           | Firms' objective functions and governance issues                         | 2                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| 5                           | Market Response to climate change                                        | 2                                                                                                                                    | Madison Condon, 'Market Myopia's Climate Bubble', 1 Utah Law Review 63 (2022)                                                                                                                                                                                                                                                                                                                                                                            |

| <b>Module 2</b>             |                                             | Market governance and stakeholders                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                      |
|-----------------------------|---------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Module Outcome (MO2)</b> |                                             | Upon completion of the module, students should be able to Identify the key drivers and benefits of integrating sustainability into corporate financial decisions |                                                                                                                                                                                                                                                                                                                                                      |
| Topics                      |                                             | Hours                                                                                                                                                            | Reference Material                                                                                                                                                                                                                                                                                                                                   |
| 1                           | Stakeholders' governance and climate change | 2                                                                                                                                                                | Roberto Tallarita, The Limits of Portfolio Primacy, 76 Vanderbilt Law Review (forthcoming 2023)                                                                                                                                                                                                                                                      |
| 2                           | Role of Investors                           | 2                                                                                                                                                                | Wolf-Georg Ringe, Investor-led Sustainability in Corporate Governance, ECGI Law Working Paper No. 615/2021<br>Patrick Bolton & Marcin Kacperczyk, Do investors care about carbon risk? 142 The Journal of Finance 517 (2021), available at <a href="https://doi.org/10.1016/j.jfineco.2021.05.008">https://doi.org/10.1016/j.jfineco.2021.05.008</a> |





|   |                                     |   |                                                                                                                                                                                                                                           |
|---|-------------------------------------|---|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 3 | Activism by Institutional investors | 2 | Jeffrey N. Gordon, Systematic Stewardship, 47 Journal of Corporation Law 627 (2022), available at:                                                                                                                                        |
| 4 | Executive Compensation              | 2 | Lucian A. Bebchuk & Roberto Tallarita, 'The Perils and Questionable Promise of ESG-Based Compensation' (2022)                                                                                                                             |
| 5 | Private corporation governance      | 2 | Alperen Afşin Gözlügöl & Wolf-Georg Ringe, Private Companies: The Missing Link on The Path to Net Zero, European Corporate Governance Institute - Law Working Paper No. 635/2022, SAFE Working Paper No. 342, LawFin Working Paper No. 38 |

| <b>Module 3</b>             |                                       | Green initiatives, green washing                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                            |
|-----------------------------|---------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Module Outcome (MO3)</b> |                                       | Upon completion of the module, students should be able to Identify various financial instruments used in sustainable finance, such as green bonds and sustainability-linked loans. They will also be able to identify emerging trends and innovations in sustainable finance. Be able to apply the knowledge in their future discourse. |                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Topics                      |                                       | Hours                                                                                                                                                                                                                                                                                                                                   | Reference Material                                                                                                                                                                                                                                                                                                                                                                                                         |
| 1                           | Directors' duties and responsibility  | 2                                                                                                                                                                                                                                                                                                                                       | Primer on Climate Change: Directors' Duties and Disclosure Obligations: In support of the Principles for Effective Climate Governance' (June 2021)                                                                                                                                                                                                                                                                         |
| 2                           | Agency problem in climate response    | 2                                                                                                                                                                                                                                                                                                                                       | Anna Christie, The Agency Costs of Sustainable Capitalism, 55 UC Davis Law Review 875-954 (2021)<br>Shira Cohen, Igor Kadach, Gaizka Ormazabal & Stefan Reichelstein, 'Executive Compensation Tied to ESG Performance: International Evidence' (2022)                                                                                                                                                                      |
| 3                           | Greenwashing                          | 2                                                                                                                                                                                                                                                                                                                                       | John Armour, Luca Enriques & Thom Wetzer, 'Green Pills' (2022)                                                                                                                                                                                                                                                                                                                                                             |
| 4                           | Disclosure and responsibility         | 3                                                                                                                                                                                                                                                                                                                                       | Tobias Tröger & Sebastian Steuer, 'The Role of Disclosure in Green Finance', ECGI Law Working Paper No. 604/2021 = 8 Journal of Financial Regulation 1 (2022),<br>Jill E. Fisch, Making Sustainability Disclosure Sustainable, 107 Georgetown Law Journal 923 (2019), available at <a href="https://scholarship.law.upenn.edu/faculty_scholarship/1998/">https://scholarship.law.upenn.edu/faculty_scholarship/1998/</a> . |
| 5                           | Meeting Net Zero: future implications | 3                                                                                                                                                                                                                                                                                                                                       | Catherine McKenna, 'Making Net-Zero Pledges Count' (2022),                                                                                                                                                                                                                                                                                                                                                                 |
|                             |                                       | Total Hours = 32                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                            |



### SECTION C: OUTCOME MAPPING

#### PO-CO MATRIX:

|            | PO1 | PO2 | PO3 | PO4 | PO5 |
|------------|-----|-----|-----|-----|-----|
| <b>CO1</b> | Yes | Yes | Yes | Yes | Yes |
| <b>CO2</b> | Yes | Yes | Yes | Yes | Yes |
| <b>CO3</b> | Yes | Yes | Yes | Yes | Yes |
| <b>CO4</b> | Yes | Yes | Yes | Yes | Yes |
| <b>CO5</b> | Yes | Yes | Yes | Yes | Yes |

#### CO-MO MATRIX:

|            | MO1 | MO2 | MO3 |
|------------|-----|-----|-----|
| <b>CO1</b> | Yes | Yes | Yes |
| <b>CO2</b> | Yes | Yes | Yes |
| <b>CO3</b> | Yes | Yes | Yes |
| <b>CO4</b> | Yes | Yes | Yes |
| <b>CO5</b> | Yes | Yes | Yes |

### SECTION D: ASSESSMENT

| Pattern and CO Mapping |                                                            |                         |       |
|------------------------|------------------------------------------------------------|-------------------------|-------|
| Type                   | Description                                                | CO Mapping              | Marks |
| Project                | <b>Write up response to class discussion in 2500 words</b> | CO1/ CO2/ CO3/ CO4/ CO5 | 75    |
| Assignment             | <b>Case comment and presentation</b>                       | CO1/ CO2/ CO3/ CO4/ CO5 | 25    |
| End Exam               | ----                                                       | CO1/ CO2/ CO3/ CO4/ CO5 |       |
|                        |                                                            | <b>Total</b>            | 100   |





**NALSAR UNIVERSITY OF LAW**  
**COURSE OUTLINE**

**SECTION A: COURSE DETAILS**

|                       |                                                 |                         |                                                                              |
|-----------------------|-------------------------------------------------|-------------------------|------------------------------------------------------------------------------|
| <b>Course Title:</b>  | Agricultural Policy and Sustainable Development | <b>Participants:</b>    | LLB: III                                                                     |
| <b>Course Type:</b>   | SSS                                             | <b>Faculty Name(s):</b> | Bishakha Ghosh                                                               |
| <b>Course Credits</b> | 3                                               | <b>Faculty Mail(s):</b> | <a href="mailto:bishakha@ghosh@nalsar.ac.in">bishakha@ghosh@nalsar.ac.in</a> |

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                     |  |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|--|
| <b>Course Outline:</b>  | <p>This course focuses on farm level agricultural issues in India., besides concentrating on issues related to input use, agricultural sustainability and farmers rights through journal articles, case studies, books and other relevant resources.</p> <p>Specific issues like farming right, irrigation management and crop insurance will be discussed in the course. Special attention will be given on the farm bill 2020, contract farming and irrigation system act.</p> <p>This course will also provide idea on land tenure, tenancy, credit issues, agricultural labour are other topics to be covered under this course.</p> <p>An assessment of agricultural policies will be done using systematic review methodology.</p> |                                                                                                     |  |
| <b>Course Outcomes:</b> | Upon completion of the course, students should be able to                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                     |  |
|                         | <b>CO1:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Understand structure agricultural sector of India                                                   |  |
|                         | <b>CO2:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | To discuss role of agricultural sector in Indian Economy and food security                          |  |
|                         | <b>CO3:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | To analyse evolution of agricultural policies in India, SDG and Indian agriculture – the connection |  |
|                         | <b>CO4:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | To analyse economic and legal aspects of agricultural policy reform and institutional changes       |  |
|                         | <b>CO5:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | To compare the status of Indian agriculture with any other economy                                  |  |



## SECTION B: MODULE DETAILS AND LECTURE PLAN

|                             |                                     |                                                                                                                      |                                                                                                 |
|-----------------------------|-------------------------------------|----------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|
| <b>Module 1</b>             |                                     | Structure agricultural sector of India                                                                               |                                                                                                 |
| <b>Module Outcome (MO1)</b> | <b>Outcome</b>                      | Upon completion of the module, students should be able to understand basic structure of Agricultural sector in India |                                                                                                 |
| <b>Topics</b>               |                                     | <b>Hours</b>                                                                                                         | <b>Reference Material</b>                                                                       |
| 1                           | Structure, Objectives, stakeholders |                                                                                                                      | Class PPTs, Research papers (will be provided to students)<br>Indian Economy by Mishra and Puri |

|                             |                                                      |                                                                                                                          |                                                                                                 |
|-----------------------------|------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|
| <b>Module 2</b>             |                                                      | Role of agricultural sector in Indian Economy and food security                                                          |                                                                                                 |
| <b>Module Outcome (MO2)</b> | <b>Outcome</b>                                       | Upon completion of the module, students should be able to understand role of Indian agriculture to achieve food security |                                                                                                 |
| <b>Topics</b>               |                                                      | <b>Hours</b>                                                                                                             | <b>Reference Material</b>                                                                       |
| 1                           | Food security, achievements and challenges, policies |                                                                                                                          | Class PPTs, Research papers (will be provided to students)<br>Indian Economy by Mishra and Puri |

|                             |                                      |                                                                                                                                |                                                            |
|-----------------------------|--------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------|
| <b>Module 3</b>             |                                      | Evolution of agricultural policies in India, SDG and Indian agriculture – the connection                                       |                                                            |
| <b>Module Outcome (MO3)</b> | <b>Outcome</b>                       | Upon completion of the module, students should be able to know phases of agriculture policies in India and its' sustainability |                                                            |
| <b>Topics</b>               |                                      | <b>Hours</b>                                                                                                                   | <b>Reference Material</b>                                  |
| 1                           | Phases of agriculture policies, SDGS |                                                                                                                                | Class PPTs, Research papers (will be provided to students) |

|                             |                                           |                             |  |                                                                                                                                                                             |  |
|-----------------------------|-------------------------------------------|-----------------------------|--|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| <b>Module 5</b>             |                                           | <b>Module 4</b>             |  | Indian agriculture – A comparison with other economy like China, USA etc and to analyse economic and legal aspects of agricultural policy, reform and institutional changes |  |
| <b>Module Outcome (MO5)</b> |                                           | <b>Module Outcome (MO4)</b> |  | Upon completion of the module, students should be able to compare Indian economy with other economies                                                                       |  |
| <b>Topics</b>               |                                           | <b>Hours</b>                |  | <b>Reference Material</b>                                                                                                                                                   |  |
| 1                           | Strategies, comparison with other economy |                             |  | Class PPTs, Research papers (will be provided to students)                                                                                                                  |  |
| 1                           | Issues, challenges, Acts and revisions    |                             |  | Class PPTs, Research papers (will be provided to students)                                                                                                                  |  |





## SECTION C: OUTCOME MAPPING

### PO-CO MATRIX:

|            | PO1 | PO2 | PO3 | PO4 | PO5 |
|------------|-----|-----|-----|-----|-----|
| <b>CO1</b> | Yes | No  | Yes | Yes | Yes |
| <b>CO2</b> | Yes | No  | Yes | Yes | Yes |
| <b>CO3</b> | Yes | No  | Yes | Yes | Yes |
| <b>CO4</b> | Yes | No  | Yes | Yes | Yes |
| <b>CO5</b> | Yes | No  | Yes | Yes | Yes |

### CO-MO MATRIX:

|            | MO1 | MO2 | MO3 | MO4 | MO5 |
|------------|-----|-----|-----|-----|-----|
| <b>CO1</b> | Yes | Yes | Yes | Yes | Yes |
| <b>CO2</b> | Yes | Yes | Yes | Yes | Yes |
| <b>CO3</b> | Yes | Yes | Yes | Yes | Yes |
| <b>CO4</b> | Yes | Yes | Yes | Yes | Yes |
| <b>CO5</b> | Yes | Yes | Yes | Yes | Yes |

## SECTION D: ASSESSMENT

Research paper- 70

Seminar-30







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|---------------------------|----------------------------------------------------------------------------------------------------------|
| <b>COURSE TITLE:</b>      | <b>Environmental Law</b>                                                                                 |
| <b>COURSE INSTRUCTOR:</b> | <b>Vivek Mukherjee<br/>Nandini Biswas</b>                                                                |
| <b>NATURE OF COURSE:</b>  | Please specify whether- Mandatory / Elective<br>/ Seminar / Social Sc. Seminar / Clinic<br><br>Mandatory |
| <b>COURSE CREDITS:</b>    | <b>4</b>                                                                                                 |
| <b>OFFERED TO:</b>        | Vth Year Xth Sem. B.A.LL.B (Hons.)                                                                       |
| <b>COURSE DURATION:</b>   | January-April 2025                                                                                       |
| <b>TEACHING HOURS</b>     | Class Hours: __60__                                                                                      |
| <b>EVALUATION SCHEME</b>  | Mid-semester exams (25 marks)<br>Project (25 marks)<br>End-semester exams (50 marks)                     |

**COURSE DESCRIPTION:** Lately, there has been a tangent shift in the urgency with which the environmental menace is conceptualized by the collective consciousness of the society. So much so, that serious thoughts are pointed towards transforming the capitalist way of things in the present economic system to a system (collective commons) which is ecological in its core. This course seeks to conceptualize the legal discourse of environmental protection within this transformative change. It seeks to conceptualize the environmental menace as a problem of Common Property Resource (CPR) management within contrasting ideologies like eco-centricism (with ecology at its center) and environmental justice (with the plight of underprivileged at its center). It also seeks to equip the law students with the skill to identify the strength and weaknesses of environment protection laws in India. They will be in a better position to do so when they are through with fundamental principles of environmental law like- sustainable development, precautionary principle, inter-generational equity and Common But Differentiated Responsibility (CBDR). These legislations will be discussed in a localized format where experience of activists and researchers in applying the laws will be taken into consideration. Finally, a skeletal sketch of the green jurisprudence of Indian courts will be sought to be drawn. This will include discussion on the evolution of the NGT and its performance over the decade of its establishment.

### OBJECTIVES OF THE COURSE:

- To appreciate the urgency of the environmental menace and recognize the importance of law as one of the tools to address the issue.
- To examine the basic principles of environmental laws, both national and international.
- To understand the synergy between actual working of the law and how it is conceptualized by activists, bureaucrats etc. in its day-to-day application.



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- Analyze the governance system of environmental laws, identify gaps and use academic skills to pose solutions.
- Inculcate among students the skills of analyzing old environment protection laws and policies and make it workable without suggesting too many amendments. This will help social activists use law as a tool for social emancipation in addressing issues of environmental justice.
- To consolidate and produce literature on the development of Indian jurisprudence of environmental laws and its place in the international scheme of things.

### COURSE OUTCOMES:

After the completion of the course, the students will have:

- Concrete philosophical foundation essential to environmental law, policies and justice.
- Comprehensive understanding of the significant developments and emergent fundamental concepts in international and national environmental law
- Broad comprehension of statutory and regulatory mechanisms related to environment both in India and International context
- Wide understanding of the judicial response to environmental issues

**TEACHING METHODOLOGY:** Classroom lectures, case study method and interactive discussions during the study. Students are expected to come prepared with the study materials, which will be supplied to them in advance. Random classroom exercises may be undertaken during the course. Due to the special nature of the subject, there will be a substantial emphasis on interdisciplinary approach. Subjects like economics, politics, social justice, ecology, industrial technology etc. will often feature in the discussion.

### LECTURE PLAN

| MODULES  | TITLE                                                              | NUMBER OF REQUIRED LECTURES |
|----------|--------------------------------------------------------------------|-----------------------------|
| Module-1 | Philosophical Moorings: CPR Management, Environmental Justice etc. | 16                          |
| Module-2 | Fundamental Principles of Environmental Laws                       | 11                          |
| Module-3 | EPA, Air & Water Laws                                              | 6                           |
| Module-4 | Forest, Wildlife & Biodiversity Laws                               | 11                          |
| Module-5 | Green Courts, Supreme Courts and Environmental Jurisprudence       | 11                          |





## **Module 1: Philosophical Moorings: CPR Management, Environmental Justice, Development vs Environment.**

### **(16 sessions)**

This module seeks to place the foundation for the course through three fundamental concepts/debates of environmental law and policy- CPR Management, Development vs Environment and Environmental Justice. These concepts will form the three pillars or themes of the course. The discussion on CPR management will start with a classic piece by Garrett Hardin- "The Tragedy of Commons". The subsequent six articles will break Hardin's article further down to make the theory workable on ground. Jodha's and Wade's article will help us contextualize the theory in Indian context.

In the discussion on "Development vs Environment", an effort will be made to break the stereotypical (mostly adversarial) relationship these two subjects share. Unlike the discussion on CPR Management where Hardin's article was the central focal point around which the other articles revolved, this discussion will not have such a focal point. It will be scattered in three tangents- a lecture delivered by Mr. Jairam Ramesh in 2010, an article by Lester Brown in Futurist essentially around the issue of global environmental governance and finally a celebrated article by Christopher Stone which takes a right based approach to natural resource management.

The final limb of discussion will be around the concept of environmental justice as conceptualized by David Harvey. Harvey's call for action will help us prioritize environmental action in the context of human suffering in general and the "nuisance of slums" dealt in Ghetner's article.

### **COMPULSORY READINGS:**

#### **CPR MANAGEMENT (6 sessions)**

**Hardin, G.**, 2009. The Tragedy of the Commons. *Journal of Natural Resources Policy Research*, 1(3), pp.243-253.

Simmons, R.T., Smith Jr, F.L. and Georgia, P., 1996. The tragedy of the commons revisited: politics vs. private property. *Center for Private Conservation, The Competitive Enterprise Institute, Washington, DC*.

Paavola, J., 2007. Institutions and environmental governance: a reconceptualization. *Ecological economics*, 63(1), pp.93-103.





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Ruttan, L.M., 1998. Closing the commons: Cooperation for gain or restraint?. *Human Ecology*, 26(1), pp.43-66.

Wade, R., 1986. Common property resource management in South Indian villages. In *Proceedings of the Conference on Common Property Resource Management National Research Council, Washington DC: National Academy Press*.

Jodha, N.S., 1986. The decline of common property resources in Rajasthan, India.

Ostrom, E., 1999, September. Design principles and threats to sustainable organizations that manage commons. In *Paper for electronic conference on Small Farmer's Economic Organizations, organized by Julio A. Berdegue. Santiago, Chile, March*.

### DEVELOPMENT VS ENVIRONMENT (4 sessions)

Ramesh, J., 2010. The two cultures revisited: the environment-development debate in India. *Economic and Political Weekly*, pp.13-16.

Ramesh, J., 2011. The Hedgehog and the Fox Revisited: Some Further Reflections on the Growth-Environment Debate in India. *Lawrence Dana Pinkham memorial lecture delivered on the occasion of World Press Freedom Day and convocation of the Asian College of Journalism, Chennai*, 3.

Brown, L.R., 2003. A planet under stress: Rising to the challenge. *The Futurist*, 37(6), p.18.

Dubash, N.K., 2012. Toward enabling and inclusive global environmental governance. *The Journal of Environment & Development*, 21(1), pp.48-51.

Stone, C.D., 1972. Should Trees Have Standing--Toward Legal Rights for Natural Objects. *S. Cal. L. rev.*, 45, p.450.

### ENVIRONMENTAL JUSTICE (4 sessions)

Harvey, D. and Braun, B., 1996. The environment of justice, *Justice, nature and the geography of difference* (Vol. 468). Oxford: Blackwell. pp 366-403.

Guha, R. and Alier, J.M., 2013. The Environmentalism of the Poor, *Varieties of environmentalism: essays North and South*. Routledge, pp 2-21

Ghertner, D.A., 2011. *The nuisance of slums: Environmental law and the production of slum illegality in India*. Routledge India.

### ADDITIONAL READINGS:

### CPR MANAGEMENT



Dreze, J. and Sen, A., 2002. *India: Development and participation*. Oxford University Press, USA, pp.190-228.

### DEVELOPMENT VS ENVIRONMENT

Ramesh, J., 2015. Green signals: ecology, growth, and democracy in India. *OUP Catalogue*.

UNDESA, U., UN system task team on the post-2015 UN development agenda. Population dynamics: thematic think piece. UN Department of Economic and Social Affairs, UN Population Fund, May, 2012.

Plater, Z.J., 2000. The Snail Darter, The Tellico Dam, and Sustainable Democracy—Lessons for the Next President From a Classic Environmental Law Controversy.

## Module 2: Fundamental Principles of Environmental Laws

(11 sessions)

Having started with a firm theoretical background in the first module, this is a skill building module dealing with fundamental principles of environmental laws. The evolution of these principles will be tracked on a practical level by looking at their application on several case laws. Although, most of these principles have evolved on the international plane, its application will be analyzed on the domestic front also. This module should act as spring board for the tremendous task of analyzing environmental legislations and case laws forming green jurisprudence, which will be taken up in the subsequent modules.

### COMPULSORY READINGS

#### CBDR RC

Pauw, P., Bauer, S., Richerzhagen, C., Brandi, C. and Schmole, H., 2014. *Different perspectives on differentiated responsibilities: a state-of-the-art review of the notion of common but differentiated responsibilities in international negotiations*. Deutsches Institut für Entwicklungspolitik.

### PRECAUTIONARY PRINCIPLE





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Taleb, N.N., Read, R., Douady, R., Norman, J. and Bar-Yam, Y., 2014. The precautionary principle (with application to the genetic modification of organisms).

Sunstein, C.R., 2002. The paralyzing principle. *Regulation*, 25, p.32.

### INTERGENERATIONAL EQUITY

Schneeberger, K., 2011. Intergenerational equity: Implementing the principle in mainstream decision-making. *ELM*, 23, pp.20-29.

Weiss, E.B., 1992. *Intergenerational equity: a legal framework for global environmental change*. United Nations University.

### SUSTAINABLE DEVELOPMENT

Osofsky, H.M., 2003. Defining sustainable development after Earth Summit 2002. *Loy. LA Int'l & Comp. L. Rev.*, 26, p.111.

### ADDITIONAL READINGS:

Figueroa, R.M., 2022. Environmental justice. In *The Routledge Companion to Environmental Ethics* (pp. 767-782). Routledge.

Haque, M.S., 1999. The fate of sustainable development under neo-liberal regimes in developing countries. *International Political Science Review*, 20(2), pp.197-218.

Raffensperger, C. and Barrett, K., 2001. In defense of the precautionary principle. *Nature biotechnology*, 19(9), pp.811-812.

## Module 3: EPA, Air & Water Laws (6 sessions)

Most of the environmental legislations in India have been reactionary in its inception rather than being proactive. They are arguably top-down at the same time. A detailed analysis of the Environmental Protection Act, 1986, Air Act and Water Act will be taken up in this module. A concerted effort shall be made to make these laws workable on ground, without making too many amendments to the current shape of the laws. Good-practices from several environmental research and activism groups will be discussed. The institutions formed under the umbrella legislation will also be studied and reforms will be suggested. The mushrooming of rules and by-laws emerging from EPA will be discussed and a case for consolidation will be made in order to ensure a wholistic approach.





**COMPULSORY READINGS**

Shibani Ghosh, 'Reforming the Liability Regime for Air Pollution in India', IV Environmental Law & Practice Review, NALSAR.

Chokkakula, S., Why do interstate water disputes emerge and recur? an anatomy of ambiguities, antagonisms and asymmetries.

Cullet, P., 2014. Groundwater law in India: towards a framework ensuring equitable access and aquifer protection. *Journal of Environmental Law*, 26(1), pp.55-81.

P. Cullet, L. Bhullar & S. Koonan, Water Security and International law, *Annual Review of Law and Social Science*, Volume 17, PP 261-276 (2021)

## **Module 4: Forest, Wildlife & Biodiversity Laws (11 sessions)**

Forests are vanishing at an unprecedented pace in a rapidly growing India. Some efforts made by earlier governments in the area of forest conservation is fetching sweet fruits, but that's not enough. A re-look is required in the 'conservation' model for both forest and wildlife. Forests have become horrendous spaces of exploitation and violence against the tribals, who are native to the forest. Corrupt forest officials are often hands in gloves with poachers and timber mafias. Species are vanishing right under our eyes, even though we have one of the best Biodiversity Conservation laws in the world. These issues will be problematized in the international context of CITES, CBD and Forest Act, Forest Rights Act and BDA in the domestic context.

**COMPULSORY READINGS**

Smith, R.J., 1981. Resolving the tragedy of the commons by creating private property rights in wildlife. *Cato J.*, 1, p.439.

Soliman, A., 2014. Do Private Property Rights Promote Sustainability: Examining Individual Transferable Quotas in Fisheries. *Seattle J. Env'tl. L.*, 4, p.245.

Singh, C., 1986. *Common property and common poverty*. Oxford University Press.

Sarin, M., 2001. Disempowerment in the name of participatory forestry?-Village forests joint management in Uttarakhand. *Forests Trees and People Newsletter*, pp.26-35.

Rosencranz, A., Boenig, E. and Dutta, B., 2007. **The Godavarman case**: The Indian Supreme Court's breach of constitutional boundaries in managing India's forests. *Environmental Law Reporter News and Analysis*, 37(1), p.10032.



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Sand, P.H., 1997. The Whither CITES-The Evolution of a Treaty Regime in the Borderland of Trade and Environment. *Eur. J. Int'l L.*, 8, p.29.

CFR-LA, 2016. Promise and Performance: Ten Years of the Forest Rights Act in India. Citizens' Report on Promise and Performance of The Scheduled Tribes and Other Traditional Forest Dwellers (Recognition of Forest Rights) Act, 2006, after 10 years of its Enactment. December 2016.

Kohli, K. and Bhutani, S., 2013. The legal meaning of biodiversity. *Economic & Political Weekly*, 48(33), pp.15-17.

### ADDITIONAL READINGS

Nathan, D. and Xaxa, V., 2012. Development, Environment and Broom Grass, *Social exclusion and adverse inclusion: Development and deprivation of Adivasis in India*. Oxford University Press, pp 36-51.

The Commons and Rural Livelihoods: Shifting Dependencies and Supra-local Pressures, *Ajit Menon, Viren Lobo, and Sharachchandra Lele*. Democratizing Forest Governance in India (2014) Edited by Sharachchandra Lele and Ajit Menon

## Module 5: Green Courts, Supreme Court and Environmental Jurisprudence (11 sessions)

The story of Indian Environmental Jurisprudence is the story of judicial activism. This is the result of a two-fold reality faced by environmental activists and victims- Firstly, the sorry state of affairs of the institutions created by the environmental regime (including PCB's and other bodies) and secondly, the reposition of faith in the Indian judiciary as the 'only' savior. This has led to some very bold decisions taken by the Indian Supreme Court, establishing our own green jurisprudence. However, this kind of activism has its own limitations- the foremost being that the courts lack the power to execute. Without a robust set of laws and executive to implement those laws, the judiciary often finds its hands tied. The need for more courts, reinforcing the faith in the adjudicatory process- the NGT was established in 2009. But, as recent news would suggest all is not well with the functioning of the NGT, as most of its decisions are challenged in the Supreme Court, often overturned by the later. A double whammy is delivered when the government in power tries to relax environmental law, intoxicated by the poison of instant growth (not development). This module being the final installment in this course, will show us where we stand in Indian Green jurisprudence and will help us prepare for taking tough choices in the near future.

### COMPULSORY READINGS





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Rosencranz, A., 2016, The Supreme Court of India exceeds its constitutional boundary, *JELPD*, 3, p.1-18.

Sahu, G., 2016. Impact of National Green Tribunal on Environmental Governance in India, *JELPD*, 3, p. 28-50.

Rosencranz, A. and Sahu, G., 2014. Assessing the National Green Tribunal' after Four Years. *J. Indian L. & Soc'y*, 5, p.191.

Green Courts: The Way Forward?, Cornell Policy Review, Available at: <http://www.cornellpolicyreview.com/green-courts-the-way-forward/>

L Rajamani, Public Participation in Indian Environmental Law, 2016. *Sharing the Costs and Benefits of Energy and Resource Activity: Legal Change and Impact on Communities*. Oxford University Press. p. 393-408

Sahu, G. and Rosencranz, A., 2009. Court-Appointed Monitoring Committees: The Case of Dahanu Taluka Environment Protection Authority. *Law Env't & Dev. J.*, 5, p.185.

Kaleeswaram Raj, Decentralising Environmental Justice Debating the National Green Tribunal, *EPW Vol. 49, Issue No. 48, 29 Nov, 2014*. Available at: <http://www.epw.in/journal/2014/48/web-exclusives/decentralising-environmental-justice.html>

Ghosh, S., 2013. Demystifying the Environmental Clearance Process in India. *NUJS L. Rev.*, 6, p.433.

Krithika Dinesh and Kanchi Kohli, From Prior to Post: Legalising environmental violations, Centre for Policy Research Working Paper. Available at: <http://www.cprindia.org/research/papers/prior-post-legalising-environmental-violations>

Menon, M. and Kohli, K., 2015. Environmental Regulation in India. *Economic & Political Weekly*, 50(50), p.21.

Geetanjoy Sahu, 'Implications of Indian Supreme Court's Innovations for Environmental Jurisprudence', 4/1 *Law, Environment and Development Journal* (2008), p. 1, available at <http://www.lead-journal.org/content/08001.pdf>

Baxi, U., 2010. Writing about impunity and environment: the 'silver jubilee' of the Bhopal catastrophe. *Journal of Human Rights and the Environment*, 1(1), pp.23-44.

### ADDITIONAL READINGS

Shibani Ghosh, Is the MoEFCC Encouraging Environmental Violations?, CPR report, Available at: <http://www.cprindia.org/research/reports/moefcc-encouraging-environmental-violations>

Mohan, M.R. and Pabreja, H., 2016. Public Hearings in Environmental Clearance Process. *Economic & Political Weekly*, 51(50), p.69.



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Kapoor, M., 2017. Why Do Institutions Shy Away from Action?. *Economic & Political Weekly*, 52(31), p.55.

Earth jurisprudence in the 5th module- Cullinan, Cormac, 'Earth Jurisprudence', in Lavanya Rajamani, and Jacqueline Peel (eds), *The Oxford Handbook of International Environmental Law*, 2nd edn, Oxford Handbooks (2021; online edn, Oxford Academic, 8 Dec. 2021)

### **PRIMARY BOOKS:**

Cullet, P. and Koonan, S., 2011. *Water Law in India—An Introduction to Legal Instruments*. Oxford University Press.

Leelakrishnan, P., 2005. *Environmental law in India*. LexisNexis Butterworth.

Leelakrishnan, P., 2007. *Environmental Law Case Book*. Law Publishers.

Divan, S. and Rosencranz, A., 2001. *Environmental law and policy in India*. Oxford University Press.

Qc, P.S., 2003. *Principles of international environmental law*(p. 283). Cambridge University Press.

Upadhyay, S. and Upadhyay, V., 2002. Handbook on Environmental Law Volume III: Environmental Protection. *Land and Energy Laws*, LexisNexis, New Delhi.

Sahasranaman, P.B., 2009. *Handbook of environmental law*(Vol. 350). Oxford University Press.

Sahu, G., 2014. *Environmental Jurisprudence and the Supreme Court: Litigation, Interpretation, Implementation*. Orient Blackswan.

### **REFERENCE BOOKS:**

Gillespie, A., 2014. *International environmental law, policy, and ethics*. OUP Oxford.





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Harvey, D. and Braun, B., 1996. *Justice, nature and the geography of difference* (Vol. 468). Oxford: Blackwell.

Gadgil, M. and Guha, R., 1995. *Ecology and equity: The use and abuse of nature in contemporary India*. Psychology Press.

Guha, R., 2014. *Environmentalism: a global history*. Penguin UK.

### PROGRAMME OUTCOME:

**PO1- Professional Competence** Demonstrate competence and capacity to read statutes, understand precedents, identify legal issues, draft legal documents and apply legal knowledge to practical legal problems. Appreciate and inculcate moral and ethical responsibilities of the noble profession of an advocate.

**PO2 - Social Justice and Rule of Law** Uphold the rule of law and promote the constitutional values and objectives of social justice.

**PO3- Critical Thinking and Reflections** Contribute to legal scholarship through critical appraisal of laws and theories including their application in various socio-legal contexts.

**PO4-Creative Problem Solving** Predict, mitigate, and solve complex problems and engage in conflict resolution by adopting context-appropriate inclusive methods.

**PO5 – Advocacy** Capacity to participate and influence deliberations on issues of local, national or international importance using broader advocacy skills of an individual trained in law.

### CO-PO MAPPING:

| Course Outcomes | Programme Outcomes |     |     |     |     |
|-----------------|--------------------|-----|-----|-----|-----|
|                 | PO1                | PO2 | PO3 | PO4 | PO5 |
| CO1             | √                  |     | √   | √   |     |
| CO2             | √                  | √   | √   | √   |     |
| CO3             | √                  | √   | √   | √   | √   |
| CO4             | √                  | √   |     | √   | √   |
|                 |                    |     |     |     |     |
|                 |                    |     |     |     |     |







# NALSAR UNIVERSITY OF LAW

## COURSE OUTLINE

|                       |            |                         |                        |
|-----------------------|------------|-------------------------|------------------------|
| <b>Course Title:</b>  | Energy Law | <b>Participants:</b>    | LLB: IV/V & LLM        |
| <b>Course Type:</b>   | Elective   | <b>Faculty Name(s):</b> | Dr. Rosmy Joan         |
| <b>Course Credits</b> | 4          | <b>Faculty Mail(s):</b> | rosmyjoan@nalsar.ac.in |

|                         |                                                           |                                                                                                                                      |
|-------------------------|-----------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------|
| <b>Course Outline:</b>  | Energy Law                                                |                                                                                                                                      |
| <b>Course Outcomes:</b> | Upon completion of the course, students should be able to |                                                                                                                                      |
|                         | <b>CO1:</b>                                               | To provide a basic foundation in the mechanics of international energy law and to help students to identify the issues in energy law |
|                         | <b>CO2:</b>                                               | To analyse the functioning of conventional fuel markets                                                                              |
|                         | <b>CO3:</b>                                               | To assess the principal laws/regulations in the renewable/green energy context                                                       |
|                         | <b>CO4:</b>                                               | To develop options for persuading energy decision makers;                                                                            |
|                         | <b>CO5:</b>                                               | To formulate informed opinions about the future course of national energy policy                                                     |

## SECTION B: MODULE DETAILS AND LECTURE PLAN

|                             |                                                                                                                             |                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                |
|-----------------------------|-----------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Module 1</b>             |                                                                                                                             | <b>Legal Framework for Energy</b>                                                                              |                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Module Outcome (MO1)</b> |                                                                                                                             | Upon completion of the module, students should be able to understand the mechanics of international energy law |                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Topics</b>               |                                                                                                                             | <b>Hours</b>                                                                                                   | <b>Reference Material</b>                                                                                                                                                                                                                                                                                                                                                      |
| 1                           | Introduction, Definition and Evolution of a Legal Framework for Energy                                                      | 1                                                                                                              | <ul style="list-style-type: none"> <li>M. Shaw, <i>International Law</i> (6th edn, Cambridge University Press, 2009) chapters 1 &amp; 3</li> <li>J. Crawford, <i>Brownlie's Principles of Public International Law</i>, (OUP: 2012), chapters 1, 2 &amp; 4</li> <li>C. Redgwell, 'International Regulation of Energy Activities' in M.M. Roggenkamp, C. Redgwell I.</li> </ul> |
| 2                           | <ul style="list-style-type: none"> <li>Key Actors and Institutions,</li> <li>Sources of International Energy Law</li> </ul> | 1                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                |
| 3                           | Fundamental Legal Concepts: from Permanent Sovereignty to Sustainable                                                       | 3                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                |



|   |                                                          |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|---|----------------------------------------------------------|---|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|   | Development                                              |   | <p>del Guayo and A. Ronne, eds., <i>Energy Law in Europe: National, EU and International Regulation</i> (Oxford University Press, 2nd edn, 2007), pp. 13-40.</p> <ul style="list-style-type: none"> <li>• Joseph P. Tomain and Richard D. Cudahy, <i>Energy Law</i> (Thomson/West Nutshell Series, 2011 edition).</li> <li>• Michael B. Gerrard, ed., <i>The Law of Clean Energy: Efficiency and Renewables</i> (American Bar Association 2011).</li> <li>• Jose Goldenberg, Thomas Johansson, A. K. N. Reddy, Robert Williams, <i>Energy for a Sustainable World</i> (Wiley Eastern).</li> <li>• Charles E. Brown, <i>World Energy Resources</i>, Springer (2002).</li> <li>• Arghyrios A. Fatouros, <i>An International Legal Framework for Energy</i>, 332 <i>Recueil des cours</i> 355 (2007).</li> <li>• Rudolf Dolzer, <i>International Cooperation in Energy Affairs</i>, 372 <i>Recueil des cours</i> 395 (2014).</li> </ul> |
| 4 | State Jurisdiction and International Responsibility      | 1 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| 5 | Dispute Settlement, Enforcement, Compliance and Remedies | 2 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |

| Module 2             |                                                                                                                                 | Energy Trade and Investment                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|----------------------|---------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Module Outcome (MO2) |                                                                                                                                 | Upon completion of the module, students should be able to identify the challenges and to provide solutions for challenges in energy trade and investment |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Topics               |                                                                                                                                 | Hours                                                                                                                                                    | Reference Material                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| 1                    | Role of energy in economic development and social transformation                                                                | 1                                                                                                                                                        | <ul style="list-style-type: none"> <li>• Fred Bosselman et al., <i>Energy, Economics and the Environment: Cases and Materials</i>, 3rd Edition (Foundation Press: 2010)</li> </ul>                                                                                                                                                                                                                                                                                                                                           |
| 2                    | <ul style="list-style-type: none"> <li>• Energy and the WTO,</li> <li>• Foreign Direct Investments and Expropriation</li> </ul> | 3                                                                                                                                                        | <ul style="list-style-type: none"> <li>• Homas Cottier, Garba Malumfashi, Sofya Matteotti-Berkutova, Olga Nartova, Joëlle De Sépibus, Sadeq Z. Bigdeli, <i>Energy in WTO Law and Policy</i>, NCCR Trade Working Paper No 2009/25 (2009).</li> <li>• Gabrielle Marceau, <i>The WTO in the Emerging Energy Governance Debate</i>, 5 (3) <i>Global Trade and Customs Journal</i> 83, 83-93 (2010).</li> <li>• Peter D. Cameron, <i>International Energy Investment Law: The Pursuit of Stability</i>, Oxford (2010).</li> </ul> |





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|   |                                                                                                            |   |                                                                                                                                                                                                                                                                                                          |
| 3 | <ul style="list-style-type: none"> <li>Energy Charter Treaty</li> <li>NAFTA Energy Arbitrations</li> </ul> | 2 | <ul style="list-style-type: none"> <li>Andrei Konoplyanik and Thomas Walde, Energy Charter Treaty and its Role in International Energy, 24 J. Energy Nat. Resources L. 523 2006</li> </ul>                                                                                                               |
| 4 | Competition in India's Energy Sector                                                                       | 2 | <ul style="list-style-type: none"> <li>The Energy and Resources Institute, Competition in India's Energy Sector (2007) available at <a href="http://www.cci.gov.in/images/media/completed/5teri_20080508111155.pdf">http://www.cci.gov.in/images/media/completed/5teri_20080508111155.pdf</a></li> </ul> |
| 5 | Energy and Intellectual Property Rights                                                                    | 2 | <ul style="list-style-type: none"> <li>Mirei Isaka, Intellectual Property Rights: The Role of Patents in Renewable Energy Technology Innovation, IRENA (2013)</li> <li>John H. Barton, IP and Access to Clean Energy Technologies in Developing Countries, ICTSD (2007)</li> </ul>                       |

| <b>Module 3</b>             |                                                                                                                                                                       | <b>Energy, Human Rights and the Environment</b>                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|-----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Module Outcome (MO3)</b> |                                                                                                                                                                       | Upon completion of the module, students should be able to understand the human rights and environmental challenges in the context of energy |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Topics                      |                                                                                                                                                                       | Hours                                                                                                                                       | Reference Material                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| 1                           | <ul style="list-style-type: none"> <li>Human Rights and the Rights of Indigenous Peoples</li> <li>Substantive Human Rights Challenges to Energy Activities</li> </ul> | 2                                                                                                                                           | <ul style="list-style-type: none"> <li>Kaisa Huhta Conceptualising Energy Justice in the Context of Human Rights Law, Nordic Journal of Human Rights, 41:4, 378-392 (2023)</li> <li>Margaretha Wewerinke-Singh, A human rights approach to energy: Realizing the rights of billions within ecological limits, RECIEL 31:16-26 (2022).</li> <li>Emilie Filmer-Wilson and Michael Anderson, Integrating Human Rights into Energy and Environment Programming: A Reference Paper (2005)</li> <li>Mark van Dorp, Dealing with energy needs in humanitarian crisis response operations (2009)</li> </ul> |
| 2                           | <ul style="list-style-type: none"> <li>Corporate Accountability</li> <li>Institutional Accountability</li> </ul>                                                      | 2                                                                                                                                           | <ul style="list-style-type: none"> <li>Carlo Drago and Andrea Gatto, Policy regulation effectiveness, and</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |



|   |                                                                                                                                                                                                                                                                                      |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
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|   |                                                                                                                                                                                                                                                                                      |   | <p>sustainability in the energy sector: A worldwide interval-based composite indicator, 167 Energy Policy (2022)</p> <ul style="list-style-type: none"> <li>Elisa Morgera, Corporate Accountability in International Environmental Law (2009)</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                 |
| 3 | <ul style="list-style-type: none"> <li>Energy Security in International Law               <ul style="list-style-type: none"> <li>Chemical and Nuclear: Non Proliferation, Energy Security, Energy Consumption and its impact on environmental climatic change</li> </ul> </li> </ul> | 2 | <ul style="list-style-type: none"> <li>Carlton Stoiber, Abdelmadjid Cherf, Wolfram Tonhauser, Maria De Lourdes Vez Carmona, Handbook on Nuclear Law: Implementing Legislation, International Atomic Energy Agency Vienna, 2010</li> <li>The International Legal Framework for Nuclear Security, International Atomic Energy Agency Vienna, 2011</li> <li>Marilyn A. Brown and Benjamin K. Sovacool, Climate Change and Global Energy Security, Technology and Policy Options (2011).</li> <li>M. P. Ram Mohan, Nuclear Energy and Liability in South Asia: Institutions, Legal Frameworks and Risk Assessment within SAARC, Springer 2015</li> </ul>     |
| 4 | <ul style="list-style-type: none"> <li>International Energy Treaties (Rio, Montreal, Kyoto), INDO-US Nuclear Deal</li> <li>UNSE4ALL: United Nations Sustainable Energy for All</li> </ul>                                                                                            | 3 | <ul style="list-style-type: none"> <li>Karen Makuch, Environmental and Energy Law, Wiley-Blackwell (2012).</li> <li>J.M. Fowler, Energy &amp; Environment (Mc Graw Hill)</li> <li>Massachusetts v. EPA, 549 U.S. 497 (2005).</li> <li>R. Nordhaus and K. Danish, Designing a Mandatory Greenhouse Gas Reduction Program for the U.S., pp. iii-vi, 1-4, 42-45 (Pew Center on Global Climate Change; 2003).</li> <li>J. Maslow, "Carbon Tax or Carbon Trading?" The Energy Independent (Mar. 25, 2007).</li> <li>Richard Pierce, "Energy Independence and Global Warming," 21 Natural Resources and Environment no. 3, pp. 68-71 (Winter 2007).</li> </ul> |
| 5 | <ul style="list-style-type: none"> <li>Future Energy Options</li> </ul>                                                                                                                                                                                                              | 2 | <ul style="list-style-type: none"> <li>D. Smith, R. Nordhaus, &amp; T. Roberts, Designing a Climate-Friendly Energy Policy: Options for the Near-Term, pp. 45-51, Pew Center on Global Climate Change</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                         |



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|  |  |  | (2002).<br>• Lincoln L. Davies, Alternative Energy and the Energy-Environment Disconnect 46 Idaho Law Review 473, 473-507 (2010). |
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| <b>Module 4</b>             |                                                                                                                 | <b>Conventional Fuel Markets</b>                                                                                                                                                           |                                                                                                                                                          |
| <b>Module Outcome (MO4)</b> |                                                                                                                 | Upon completion of the module, students should be able to understand the functioning of conventional fuel markets, pricing of oil and gas; and challenges in the conventional fuel markets |                                                                                                                                                          |
| <b>Topics</b>               |                                                                                                                 | <b>Hours</b>                                                                                                                                                                               | <b>Reference Material</b>                                                                                                                                |
| 1                           | <ul style="list-style-type: none"> <li>• Coal</li> <li>• Petroleum</li> <li>• Gas</li> <li>• Lignite</li> </ul> | 3                                                                                                                                                                                          | <ul style="list-style-type: none"> <li>• Rudolf Dolzer, International Cooperation in Energy Affairs, 372 <i>Recueil des cours</i> 395 (2014).</li> </ul> |
| 2                           | <ul style="list-style-type: none"> <li>• Pricing of Oil and Gas</li> </ul>                                      | 3                                                                                                                                                                                          |                                                                                                                                                          |
| 3                           | <ul style="list-style-type: none"> <li>• Association with a Mandate Covering Pricing</li> </ul>                 | 2                                                                                                                                                                                          |                                                                                                                                                          |
| 4                           | <ul style="list-style-type: none"> <li>• Comparing Oil and Gas with Other Commodities</li> </ul>                | 1                                                                                                                                                                                          |                                                                                                                                                          |

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| <b>Module 5</b>             |                                              | <b>Nuclear Energy Law in India</b>                                                                                                          |                                                                                                                                                                                                                                                                                                          |
| <b>Module Outcome (MO5)</b> |                                              | Upon completion of the module, students should be able to understand the legal and regulatory framework relating to nuclear energy in India |                                                                                                                                                                                                                                                                                                          |
| <b>Topics</b>               |                                              | <b>Hours</b>                                                                                                                                | <b>Reference Material</b>                                                                                                                                                                                                                                                                                |
| 1                           | Atomic Energy Act, 1962                      | 2                                                                                                                                           | <ul style="list-style-type: none"> <li>• Els Reynaers Kini, <i>India's Nuclear Trade — Inching Forward?</i> in KEY DEVELOPMENTS IN ENVIRONMENTAL LAW 101 (2014).</li> <li>• Robert J. Gruendel &amp; Els Reynaers Kini, <i>Through the Looking Glass: Placing India's New Civil Liability</i></li> </ul> |
| 2                           | Civil Liability for Nuclear Damage Act, 2010 | 2                                                                                                                                           |                                                                                                                                                                                                                                                                                                          |





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|---|-------------------------------------------------------------------------------------------------------------------------------------|---|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 3 | Civil Liability for Nuclear Damage Rules, 2011                                                                                      | 1 | <i>Regime for Nuclear Damage in Context</i> , 89 (1) NUCLEAR LAW BULLETIN (2012).<br><ul style="list-style-type: none"> <li>• <i>G. Sundarrajan v. Union of India</i> (2013) 6 SCC 620</li> <li>• Report of the Expert Group on Low Carbon Strategies, 2014</li> </ul> |
| 4 | <ul style="list-style-type: none"> <li>• Atomic Energy Commission (AEC)</li> <li>• Atomic Energy Regulatory Board (AERB)</li> </ul> | 1 |                                                                                                                                                                                                                                                                        |
| 5 | The Nuclear Power Corporation of India Ltd. (NPCIL)                                                                                 | 1 |                                                                                                                                                                                                                                                                        |

| Module 6             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Law Relating to Electricity in India                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
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| Module Outcome (MO6) |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Upon completion of the module, students should be able to understand the legislative, policy and regulatory framework relating to electricity in India |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Topics               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Hours                                                                                                                                                  | Reference Material                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| 1                    | <ul style="list-style-type: none"> <li>• Electricity as a subject under the Concurrent List (Entry 38) <ul style="list-style-type: none"> <li>◦ Role of the Central and the State Governments</li> </ul> </li> <li>• Right to Electricity</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 3                                                                                                                                                      | <ul style="list-style-type: none"> <li>• Lars Lofquist, Is there a universal human right to electricity? 24 (6) The International Journal of Human Rights (2022)</li> <li>• P. K. Sarkar, Laws Relating to Electricity in India, Eastern Law House (2011).</li> <li>• Raj Singh Niranjana, Guide to Electricity Laws in India, Universal Law Publishing Co. Pvt. Ltd (2004).</li> <li>• Mohammed Shameem and Krishna Reddy Chittedy, Strides for aberrations: The Electricity (Amendment) Bill, 2021 of India, 165 Energy Policy (2022)</li> </ul> |
| 2                    | <ul style="list-style-type: none"> <li>• Power or electricity markets: Legislative and Policy Framework <ul style="list-style-type: none"> <li>◦ The Electricity Act, 2003</li> <li>◦ The Electricity (Amendment) Bill, 2014</li> <li>◦ The Draft Electricity (Amendment) Bill, 2018</li> <li>◦ The Electricity (Amendment) Bill, 2022</li> <li>◦ The National Electricity Policy, 2005</li> <li>◦ Draft National Electricity Policy 2021</li> <li>◦ Rajiv Gandhi Grameen Vidhyutikaran Yojana</li> <li>◦ Tariff Policy, 2016 &amp; Draft Tariff Policy (Amendment) 2018</li> <li>◦ The Central Electricity Regulatory Commission (Terms and Conditions for Tariff Determination from Renewable Energy Sources) Regulations, 2017</li> </ul> </li> </ul> | 4                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |



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|---|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|--|
| 3 | Regulatory Framework                                                                                                                                                                                                                                                                                                                                                                                                                                     | 2 |  |
| 4 | The Right to Free Electricity Bill, 2022                                                                                                                                                                                                                                                                                                                                                                                                                 | 1 |  |
| 5 | <ul style="list-style-type: none"> <li>Recent Developments               <ul style="list-style-type: none"> <li>Electricity (Third Amendment) Rules, 2024</li> <li>E-Waste (Management) Amendment Rules, 2024</li> <li>Electricity (Late Payment Surcharge and Related Matters) (Amendment) Rules, 2024</li> <li>Electricity (Rights of Consumers) Amendment Rules, 2024</li> <li>Draft Electricity (Third Amendment) Rules, 2024</li> </ul> </li> </ul> | 2 |  |

| Module 7             |                                                                                                                                                                                                                                                                         | Renewable and Green Energy in India                                                                                              |                                                                                                                                                                                                                                                                                                                                                                   |
|----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Module Outcome (MO7) |                                                                                                                                                                                                                                                                         | Upon completion of the module, students should be able to understand the law, policy and regulation of renewable energy in India |                                                                                                                                                                                                                                                                                                                                                                   |
| Topics               |                                                                                                                                                                                                                                                                         | Hours                                                                                                                            | Reference Material                                                                                                                                                                                                                                                                                                                                                |
| 1                    | <ul style="list-style-type: none"> <li>Renewable energy markets               <ul style="list-style-type: none"> <li>Renewable Energy Certificates</li> <li>Indian Renewable Energy Development Agency</li> </ul> </li> <li>Legislative and Policy Framework</li> </ul> | 4                                                                                                                                | <ul style="list-style-type: none"> <li>Mohammad Naseem, Energy Law in India, Kluwer Law International (2014).</li> <li>India: Energy Policy, Laws and Regulation Handbook, Volume 1 Strategic Information and Basic Laws, International Business Publications USA (2015).</li> <li>Nawneet Vibhaw, Energy Law and Policy in India, Lexis Nexis (2014).</li> </ul> |
| 2                    | Solar Energy, Wind Energy and Wind-Solar Hybrid Policy                                                                                                                                                                                                                  | 4                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                   |
| 3                    | Hydro power<br>Biofuels<br>Waste to Energy Initiatives in India                                                                                                                                                                                                         | 3                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                   |
| 4                    | Green Buildings                                                                                                                                                                                                                                                         | 2                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                   |
| 5                    | Green Hydrogen and India                                                                                                                                                                                                                                                | 2                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                   |

## SECTION C: OUTCOME MAPPING



**PO-CO MATRIX:**

|     | PO1 | PO2 | PO3 | PO4 | PO5 |
|-----|-----|-----|-----|-----|-----|
| CO1 | Yes | Yes | Yes | Yes | Yes |
| CO2 | Yes | Yes | Yes | Yes | Yes |
| CO3 | Yes | Yes | Yes | Yes | Yes |
| CO4 | Yes | Yes | Yes | Yes | Yes |
| CO5 | Yes | Yes | Yes | Yes | Yes |

**CO-MO MATRIX:**

|     | MO1 | MO2 | MO3 | MO4 | MO5 | MO6 | MO7 |
|-----|-----|-----|-----|-----|-----|-----|-----|
| CO1 | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| CO2 | Yes | Yes | Yes | Yes | No  | No  | No  |
| CO3 | Yes | Yes | Yes | No  | Yes | Yes | Yes |
| CO4 | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| CO5 | Yes | Yes | Yes | Yes | Yes | Yes | Yes |

**SECTION D: ASSESSMENT**

| Pattern and CO Mapping |             |                         |       |
|------------------------|-------------|-------------------------|-------|
| Type                   | Description | CO Mapping              | Marks |
| Mid Semester           |             | CO1/ CO2/ CO3/ CO4/ CO5 | 25    |
| Research Paper         |             | CO1/ CO2/ CO3/ CO4/ CO5 | 25    |
| End Semester           |             | CO1/ CO2/ CO3/ CO4/ CO5 | 50    |
|                        |             | <b>Total</b>            | 100   |



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