



## **Environmental, Social & Governance (ESG) Framework: Challenges and Prospects**

### **Fall, 2026**

#### Course Information

Course code LH-E-776

Credit Hours: 3 hours

Prerequisites: Basic Environmental Sciences

Equivalent Courses: NONE

Exclusive Courses: NONE

#### Instructor Information

Instructor: Prof. Aliya Naz

Biography: Prof. (Dr.) Aliya Naz has completed her PhD from the Indian Institute of Technology (IIT) Dhanbad, with a UGC-NET (JRF) in Environmental Science. Along with her PhD research, she was involved in mine pollution at the Sukinda Chromite mine in Odisha. Her postdoc work was on an enviro-social project in the Indian Sundarbans (the world's largest delta), where she worked toward achieving the UN Sustainable Development Goals (SDGs). Dr Naz has published about 50 articles in journals, book chapters, and newspapers, including 33 in SCOPUS-indexed journals. For more details about her research, please visit <https://scholar.google.com/citations?user=QzXkAIEAAAAJ&hl=en>

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#### **Course Description:**

Implementation of the Paris Agreement 2015 and COP 27-2022 necessarily requires environmental and socio-economic transformation. The target of the UN to bring nations together and adopt the Sustainable Development Goals (SDGs) for economic development cannot be

achieved without a robust framework of reporting and monitoring environmental sustainability targets. With global development strategies, we are reaching our economic goal but at the same time, we are facing many environmental and social challenges. Environmental, Social & Governance (ESG) is introduced to evaluate an organisation's operation and performance on ethical and sustainable concerns. It also offers to quantify the risk and opportunities. The ESG framework principle involves three factors: Environment, Social, and Governance. Thus, the concept of ESG is responsible investment to achieve the SDGs. ESG is introduced in 2004 and it has come in limelight through different events around the globe such as the overnight breakdown of the stock market in the US, the Plague in locusts in Australia, Covid-19, and many more. In response to the worldwide challenges in achieving sustainable development, various international organisations and countries have come forward to build a strong ESG framework for society.

Through this course, students will be able to understand the need and usage of ESG in planning, establishing, and operating a company, and quantifying the risk as well. This course will provide beginners with fundamental ESG knowledge and further insights into the ESG framework and the challenges mostly faced by developing countries. Tutorials during the classes will help students learn to calculate GHG emissions, which may broaden their job prospects in environmental green finance, think tanks, ESG consultancy firms, carbon trading enterprises, and environmental-sustainability report writing.

### **Scheme of Evaluation and Grading**

<u>Internal:</u>	70
• 2 Assignments	2 x 15 = 30
• Mid-term project	25
• Class participation	15
<u>External:</u>	30