

Subject Name	Subject Content	Grades
Carbon Emission/Reporting	The Ajou University College of Engineering's Integrated ESG Department offers courses on sustainable environment, society, and management, including carbon emissions reporting, ESG technology upgrading strategies, ESG management, and ESG and social responsibility.	2
ESG & Green ICT Strategy	This course will provide you with an overview of how ESG management is operated and managed in business and management activities, and how related data is generated, accumulated, processed, analyzed, and linked to management information systems.	2
Strategy for Advanced ESG Technology	ESG management is essential for responding to the climate change crisis of the global community, social responsibilities and responsibilities in the global supply area, and the governance system that holds the key to management strategy and direction. It is currently being institutionalized by the rapid crisis of the Earth's environment and the expansion of the demands of human society, and it is clear that technology will evolve and become more advanced as a future essential prerequisite for the biological survival of humanity beyond the survival of enterprises. This course will provide students with the opportunity to learn about the ESG technology upgrading strategy.	2
An Introduction to ESG & ESG management	The course provides an overview of ESG, including what it is, the topics that will be studied in the environment, society, and governance, and the process by which ESG has become a key keyword in management and society as a whole. It also examines how ESG is reflected in the management of businesses and countries from the perspective of opportunities and crises. The course covers a wide range of topics, including climate change and the carbon economy, free trade and tuna cans, ESG trade barriers and supply chain audits, CSR and ESG, and the reality of ESG management. With detailed case studies, the course helps students to draw an overall picture of ESG and ESG management.	2
The key factors of ESG management	This course will examine the key elements for introducing ESG management into an organization. Students will learn the frameworks for understanding social performance, such as TBL and DBL, and will acquire methodologies for diagnosing and evaluating an organization's ESG level. They will then learn about ESG systems, such as ISO26000 and GRI, and regular and ad hoc integrated disclosures that report the results, as well as domestic and international disclosure trends and institutionalization movements. The course will conclude with the supply chain ESG audit and corporate ethics and compliance, helping to build the foundation for ESG management.	2
ESG Legal Regulations and Compliance & Risk Management	This course will cover international and domestic legal regulations related to ESG and response measures for compliance. Specifically, it will cover: 1. Codes of practice, such as the Korea Corporate Governance Institute's ESG Code of Practice, the Environment Code of Practice, the Social Code of Practice, and the Governance Code of Practice. 2. Domestic legislation, such as the Act on the Compensation and Remedies for Environmental Pollution Damage, the Special Act for the Compensation of Aerosol Disinfectant Victims, and the Act on the Punishment of Serious Accidents. 3. International trends, such as ESG funds, ESG bonds, and ESG disclosure systems. After explaining the main contents of ESG-related domestic and international legislation and codes of practice, the course will explain and discuss ESG-related compliance control and risk management measures.	2
ESG & Social Responsibility	This course will systematically study the content and tasks of corporate social responsibility (CSR), the process of expanding CSR to all organizations, the establishment process and main contents of ISO26000, which can be considered the most comprehensive international standard for CSR, and similar concepts such as CSV and social value. Through this, the course will establish theories and knowledge on the significance, history and development process, main contents and issues, relevance to ESG and future prospects of social responsibility (SR).	2
An introduction to governance in ESG	Governance is generally understood as corporate governance, and it is true that the main area of ESG governance is corporate governance. However, it is difficult to explain corporate governance without understanding ESG governance at the national, social, and international levels (global). Therefore, we will hierarchically understand governance in the order of (1) state (society), market (sector), and company (organization), while also examining global governance that affects corporate management and social institutions. After studying corporate governance in detail, we will briefly review the governance factors in the peripheral areas of governance, such as ESG reporting, carbon credits and trading, participation income and VER, stewardship code, proxy, audit system, and social accounting.	2
ESG & Industrial Safety	In complex and hazardous industrial environments, we will identify and manage the fundamental and potential causes of industrial accidents, and learn the main management tools and techniques, safety devices and technologies, and industrial safety knowledge required for prevention measures. We will also develop and implement human-centered human-machine safety systems and efficient industrial safety and environmental management systems for the construction of optimal safety systems.	2
Sustainable Supply Chains and Operations Management	This course will cover a wide range of sustainability topics in supply chain and production operations management. The main topics include sustainability performance indicators in supply chain and production, carbon footprint reduction methods in logistics and production system operations, reverse logistics and production operations for recycling and regeneration, energy saving operations in logistics and production, methods for reducing logistics packaging, risk analysis, and tools for sustainability analysis and optimization.	2
An Introduction to ESG	The course "Introduction to ESG" is an introductory course for students who are interested in learning about ESG. The course will introduce students to the concept of ESG, and the different topics that will be studied in the environment, society, and governance areas. The course will also examine the process by which ESG has become a key keyword in management and society as a whole, from the perspective of an inevitable choice to overcome the existential crisis of humanity caused by climate change and social problems, and to promote sustainable development in the global village.	2
Air environment and chemical safety regulations of foreign & domestic	This course will cover the regulations and practices for responding to domestic and international environmental and safety regulations that actual companies face. The course will focus on case studies on regulations and responses to issues such as domestic regulations including the Chemical Control Act, Chemical Registration and Evaluation Act, Chemical Product Safety Act, Industrial Safety and Health Act (PSM), and Hydrogen Safety Act, and international regulations such as REACH, RoHS, SEVESO III, and PSM and RMP systems in the United States.	2
Climate Change and Atmospheric Environment	This course will discuss international environmental agreements, domestic air pollution laws, and energy-related laws for carbon neutrality. Students will learn about the contents of major international environmental agreements, the Air Pollution Control Act, greenhouse gas energy-related laws, the Chemical Control Act, the Hydrogen Safety Act, and the Occupational Accident Prevention Act, to acquire the knowledge necessary to perform ESG management tasks in industrial sites.	2