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| **Faculty Information** | **Name** | M.K. Kim |
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| **Home University** | Hanyang University |
| **Department** | School of Business |
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| **Course Information** | **Class No.** | TBA | **Course Code** | TBA | **Credits** | 3 |
| **Course Name** | ESG Supply Chain Management |
| **Lecture Schedule** | Mon-Fri / 09:00~15:00 |
| **Course Description** | This undergraduate course introduces Environmental, Social, and Governance (ESG) principles in supply chain management. Students will explore how companies can create sustainable, ethical, and transparent supply chains while maintaining operational efficiency. The course balances conceptual understanding with practical applications, including quantitative methods where appropriate, to demonstrate how ESG integration creates value for all stakeholders. |
| **Course Objective** | Upon completion of this course, students will be able to:* Understand and apply ESG frameworks to supply chain operations
* Analyze environmental impacts and develop sustainable operational strategies
* Evaluate social responsibility and ethical considerations in global supply chains
* Design governance structures for supply chain transparency and accountability
* Apply quantitative tools to measure and improve ESG performance
* Develop comprehensive ESG strategies through case analysis
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| **Prerequisite** | - |
| **Materials/Textbooks** | - |
| **Evaluation** | **Attendance** | 10% | **Quiz** | 0% |
| **Assignment** | 20% | **Mid-term Exam** | 0% |
| **Presentation** | 20% | **Final Exam** | 0% |
| **Group Project** | 0% | **Participation** | 10% |
| **Etc.** | **Evaluation Item** | **Ratio** |
| ESG Case Write-Up | 40% |
|  | % |
| **Daily** **Lecture Plan** | **Day 1** | Introduction to ESG in Supply Chain Management* Course overview and ESG fundamentals
* Evolution of sustainability in supply chains
* Key ESG frameworks and standards (UN SDGs, GRI, SASB)
* Stakeholder theory and shared value creation
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| **Day 2** | Environmental Dimensions of Supply Chain* Circular economy and waste reduction strategies
* Demand forecasting for waste minimization
* Energy efficiency and renewable resources
* Sustainable packaging and materials
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| **Day 3**  | Social Responsibility in Global Supply Chains* Labor rights and fair wage practices
* Human rights due diligence
* Supplier diversity and inclusion
* Community impact and development
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| **Day 4** | Governance and Compliance* Supply chain transparency and traceability
* Anti-corruption measures and ethical practices
* Regulatory compliance frameworks
* Third-party audits and certifications
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| **Day 5** | Sustainable Procurement Strategies* Supplier ESG assessment and selection criteria
* Inventory management for sustainability
* Green purchasing policies
* Supplier development and capacity building
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| **Day 6** | Risk Management and Resilience* ESG risk identification and assessment
* Supply chain mapping and visibility
* Disruption planning with ESG considerations
* Building resilient and sustainable networks
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| **Day 7** | Technology and Innovation for ESG* Digital tools for ESG tracking and monitoring
* Blockchain for transparency
* Predictive analytics for sustainability
* Transportation optimization with emissions constraints
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| **Day 8** | Performance Measurement and Reporting* ESG metrics and KPIs development
* Life Cycle Assessment (LCA) basics
* Return on Sustainability Investment (ROSI)
* Creating ESG dashboards and scorecards
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| **Day 9** | ESG Case Presentations |