



HANYANG UNIVERSITY

Hanyang International Winter School

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	Department	School of Business				
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Course Information	Class No.	18513	Course Code	ISS1240	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: <ul style="list-style-type: none"> • 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 				
	Prerequisite	-				
	Materials/Textbooks	-				
Evaluation	Attendance	27%	Quiz	0%		
	Assignment	0%	Mid-term Exam	0%		
	Presentation	20%	Final Exam	0%		
	Group Project	0%	Participation	10%		
	Etc.	Evaluation Item			Ratio	
		Case Analysis and Presentation			43%	
					%	



Daily Lecture Plan	Day 1	Introduction <ul style="list-style-type: none">• Supply chain management: An introduction• CSR and ESG: An introduction• Why supply chains are ESG battlefield
	Day 2	Environmental Supply Chain Decisions <ul style="list-style-type: none">• Environmental supply chain decisions & metrics• Optimization for environmental supply chain decisions• Environmental sustainability trade-offs
	Day 3	Social Sustainability in Supply Chains <ul style="list-style-type: none">• Social sustainability basics• Social risk in operations• Decision tools for social sustainability trade-offs
	Day 4	Governance in Sustainable Supply Chains <ul style="list-style-type: none">• Supply chain governance basics• Governance mechanisms• Third-party audits and certifications
	Day 5	Responsible Sourcing under Profit Pressure <ul style="list-style-type: none">• Sourcing foundations• ESG-adjusted total cost of ownership• Pricing under ESG cost pressure
	Day 6	ESG as Supply Chain Risk Management <ul style="list-style-type: none">• Risk-based ESG process• Disruption planning with ESG considerations• Decision-making tools for resilient supply chains
	Day 7	Sustainable Transportation in Supply Chain <ul style="list-style-type: none">• Transportation modes and key decisions• Transportation performance with ESG considerations• Consolidation vs. frequency
	Day 8	Designing Sustainable Distribution Networks <ul style="list-style-type: none">• Strategic importance of location• ESG impacts of distribution network design• Practical tools for designing sustainable distribution networks
	Day 9	ESG Supply Chain as an Innovation Engine <ul style="list-style-type: none">• ESG innovation types• Digital tools for ESG tracking and monitoring• Implementation pitfalls