

Fold each printed sheet in half lengthwise. The left side of the document will list the term and the right side will list the definition. Tape or staple the open edges of your flashcards. Cut out your flashcards on the solid lines indicated and fold them on the dotted lines.

Module 8
Section A: Apply Sustainability Principles

Term
Carbon footprint

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The amount of carbon dioxide and other greenhouse gases (GHGs) released into the environment by the activities performed by a person, organization, or operation during a given time period. See: carbon handprint.

Module 8
Section A: Apply Sustainability Principles

Term
Emissions credit

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Compensation to an organization for either reducing greenhouse gas (GHG) emissions or for funding projects intended to improve the environment, such as renewable energy or forest conservation. This funding can be in the form of credits purchased on an exchange to meet compliance legislation, cap and trade systems, or as a voluntary effort. Also known as carbon offset credit.

Module 8
Section A: Apply Sustainability Principles

Term
Ethical standards

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A set of guidelines for proper conduct by business professionals and organizations.

Module 8
Section A: Apply Sustainability Principles

Term
Global Reporting Initiative (GRI)

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A network-based organization that pioneered the world's most widely used sustainability reporting framework.

Module 8

Section A: Apply Sustainability Principles

Term

Global Reporting Initiative (GRI) Standards

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The framework that sets out the principles and performance indicators organizations can use to measure and report their human rights, labor, environment, and anticorruption practices and outcomes.

Module 8

Section A: Apply Sustainability Principles

Term

Green logistics

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Any business practice that minimizes the environmental impact of logistics activities. This is sometimes referred to as sustainable logistics.

Module 8

Section A: Apply Sustainability Principles

Term

Hazardous waste

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Waste, such as chemicals, nuclear materials, or toxic substances, that is hazardous to humans, animals, or the environment and requires special handling and disposal procedures.

Module 8

Section A: Apply Sustainability Principles

Term

ISO 14000 family of standards

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A series of generic environmental management standards developed by the International Organization for Standardization (ISO) that provide structure and systems for managing environmental compliance with legislative and regulatory requirements and affect every aspect of a company's environmental operations.

Module 8

Section A: Apply Sustainability Principles

Term

ISO 26000:2010

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An international standard developed by the International Organization for Standardization (ISO) to assist organizations in contributing to sustainable development beyond legal compliance through a common understanding of social responsibility.

Module 8

Section A: Apply Sustainability Principles

Term

ISO 50001:2018

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An international standard developed by the International Organization for Standardization (ISO) that defines the requirements for designing, implementing, and maintaining an energy management system. It includes documentation, reporting, and procurement guidance.

Module 8

Section A: Apply Sustainability Principles

Term

Logistics social responsibility

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The subset of corporate social responsibility (CSR) that relates to logistics, including minimizing negative impacts, monitoring and controlling, reporting, and continuously improving in social responsibility areas that include the environment, health and safety, and labor issues related to warehousing, transportation, and other logistics areas.

Module 8

Section A: Apply Sustainability Principles

Term

SA8000

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A widely recognized international standard for managing human rights in the workplace. It provides an auditable framework for assuring that social accountability is being stewarded by an organization.

Module 8

Section A: Apply Sustainability Principles

Term

Social responsibility

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Commitment by top management to behave ethically and to contribute to community development. This may also entail improving the workforce's quality of life.

Module 8

Section A: Apply Sustainability Principles

Term

Sustainability

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An organizational focus on activities that provide present benefit without compromising the needs of future generations. See: sustainable specification.

Module 8

Section A: Apply Sustainability Principles

Term

Triple bottom line (TBL)

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An approach that measures the economic, social, and environmental impact of an organization's activities with the intent of creating value for both its shareholders and society.

Module 8

Section A: Apply Sustainability Principles

Term

United Nations Global Compact

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A voluntary initiative whereby companies embrace, support, and enact, within their sphere of influence, a set of core values in the areas of human rights, labor standards, the environment, and anticorruption.

Module 8

Section B: Incorporate Reverse Logistics

Term
Asset recovery

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The classification and disposition of surplus, obsolete, scrap, waste, and excess material products and other assets in a way that maximizes returns to the owner while minimizing costs and liabilities associated with the dispositions. This is also referred to as investment recovery.

Module 8

Section B: Incorporate Reverse Logistics

Term
Circular economy

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An economic system intended to minimize waste and maximize the use of resources through a regenerative process achieved through long-lasting design, maintenance, repair, reuse, remanufacturing, refurbishing, recycling, and upcycling. Ant.: linear economy.

Module 8

Section B: Incorporate Reverse Logistics

Term
Closed-loop supply chain

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A supply chain that incorporates reverse logistics for the return flow of products for reuse, asset recovery, or recycling in a way that is cost-effective and maximizes benefits.

Module 8

Section B: Incorporate Reverse Logistics

Term
Dekitting

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The removal of accessories or parts kits from a product and returning either the kit or the main product without the kit to the store. Dekitting may also refer to the allowance of the resale of kits or products without their parts kits.

Module 8

Section B: Incorporate Reverse Logistics

Term

Distressed goods

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Products that are damaged or close to their expiration date and cannot be sold at full price. See: deterioration.

Module 8

Section B: Incorporate Reverse Logistics

Term

Gatekeeping

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1) In group dynamics, a technique applied by a team leader to effectively manage a situation, discussion, or meeting. For example, in a situation when a dominant person of authority monopolizes a discussion, the gatekeeper will intervene by requesting additional group members' input. 2) In logistics, the vetting of return materials and issuing of return material authorizations (RMAs) in accordance with the organization's returns policy to minimize returns and return costs while maintaining customer satisfaction.

Module 8

Section B: Incorporate Reverse Logistics

Term

Industry 4.0

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Also known as the Fourth Industrial Revolution, the technological changes, value chain integrations, and new business models development of the 21st century. The changes are driven by customer needs and mass customization requirements and enabled by innovation technologies, connectivity, and information technology (IT) integration.

Module 8

Section B: Incorporate Reverse Logistics

Term

Obsolete inventory

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Inventory items that have met the obsolescence criteria established by the organization, such as inventory that has been superseded by a new model or otherwise has a lack of demand. Obsolete inventory will never be used or sold at full value. Disposing of the inventory may reduce a company's profit.

Module 8

Section B: Incorporate Reverse Logistics

Term
Recalls

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A step in the reverse logistics process when parts or products are requested to be returned because of a product defect or potential hazard resulting from government regulations or liability concerns.

Module 8

Section B: Incorporate Reverse Logistics

Term
Recovery

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A reverse logistics strategy for the activities involved in the collection of used and discarded products, components, and materials. It focuses on reuse, repair, refurbishment, remanufacturing, recycling, or disposal. The objective is to recover as much of the economic value as possible, reduce waste, and minimize environmental impacts.

Module 8

Section B: Incorporate Reverse Logistics

Term
Recycle

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1) The reintroduction of partially processed product or carrier solvents from one operation or task into a previous operation. 2) A recirculation process.

Module 8

Section B: Incorporate Reverse Logistics

Term
Remanufacturing

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1) An industrial process in which worn-out products are restored to like-new condition. In contrast, a repaired product normally retains its identity, and only those parts that have failed or are badly worn are replaced or serviced. 2) The manufacturing environment where worn-out products are restored to like-new condition.

Module 8

Section B: Incorporate Reverse Logistics

Term
Repurpose

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To take something and use it for something else not originally intended. The materials may be repaired, reconditioned, and repackaged for resale or used in a different manner through remanufacturing, recycling, or salvage.

Module 8

Section B: Incorporate Reverse Logistics

Term
Returns

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A step in the reverse logistics process when a customer sends a product back for any of several possible reasons including the product being defective, damaged, out of season, or outdated (end-of-life); because it failed to meet expectations; or because it represented excess inventory.

Module 8

Section B: Incorporate Reverse Logistics

Term
Reverse logistics

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A complete supply chain dedicated to the reverse flow of products and materials for the purpose of returns, repair, remanufacture, and/or recycling.

Module 8

Section B: Incorporate Reverse Logistics

Term
Reverse supply chain

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The planning and controlling of the processes of moving goods from the point of consumption back to the point of origin for repair, reclamation, recycling, or disposal. See: reverse logistics.

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Section B: Incorporate Reverse Logistics

Term
Salvage

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Property that, because of its worn, damaged, deteriorated, or incomplete condition or specialized nature, has no reasonable prospect of sale or use as serviceable property without major repairs or alterations but that has some value in excess of its scrap value.

Module 8

Section B: Incorporate Reverse Logistics

Term
Scrap

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Material outside of specifications and possessing characteristics that make rework impractical.

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Section B: Incorporate Reverse Logistics

Term
Waste

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1) Any activity that does not add value to the good or service in the eyes of the consumer. 2) A by-product of a process or task with unique characteristics requiring special management control. Waste production can usually be planned and somewhat controlled. Scrap is typically not planned and may result from the same production run as waste. See: hazardous waste.

Module 8

Section B: Incorporate Reverse Logistics

Term
Waste hierarchy

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A process that ranks waste management options according to what is most environmentally sound, giving top priority to preventing waste. The hierarchy from top to bottom is reduce, reuse, recycle, recovery, and disposal.

Module 8

Section C: Incorporate Risk Management Principles

Term
Blockchain

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A technology using a distributed ledger that stores information about transactions that can be viewed by many entities within the supply chain. A blockchain cannot be altered, thereby creating a permanent record of the transaction and facilitating more effective visibility and transparency of product movement throughout the supply chain. See: cryptocurrency, decentralized computer network, lot control.

Module 8

Section C: Incorporate Risk Management Principles

Term
Business continuity management system (BCMS)

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Part of the overall management system that establishes, implements, operates, monitors, reviews, maintains, and improves an organization's capability of delivering products or services at acceptable predefined levels following a disruptive incident. It is based upon identifying potential threats and their impacts to an organization and its business operations. The system provides a framework for building organizational resilience with the capability of an effective response that safeguards the interests of its key stakeholders, reputation, brand, and value-creating activities.

Module 8

Section C: Incorporate Risk Management Principles

Term
Business continuity planning (BCP)

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Plans to ensure that an organization is capable of continuing to deliver products or services at acceptable predefined levels following a disruptive incident. The plans are developed by identifying potential threats to an organization and the impacts on business operations those threats might cause. These plans provide a framework for building organizational resilience with the capability of an effective response to safeguard the interests of its key stakeholders, reputation, brand, and value-creating activities.

Module 8

Section C: Incorporate Risk Management Principles

Term
Configuration management

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The ability to manage product data for the life cycle of the product or service with a high level of data integrity to ensure product quality and conformance, as well as efficient operations. This also facilitates an efficient change management and notification process and allows for access to product data.

Module 8

Section C: Incorporate Risk Management Principles

Term

ISO 22301:2019

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An international standard that specifies requirements for setting up and managing an effective business continuity management system. The standard was developed by the International Organization for Standardization (ISO).

Module 8

Section C: Incorporate Risk Management Principles

Term

ISO 31000:2018

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A standard developed by the International Organization for Standardization (ISO) that outlines principles and a set of guidelines to manage risk in any endeavor. The standard includes guidelines for understanding risk, developing a risk management policy, integrating risk management into organizational processes (including accountability and responsibility), and establishing internal and external risk communication processes.

Module 8

Section C: Incorporate Risk Management Principles

Term

Risk acceptance

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A decision to take no action to deal with a risk or an inability to format a plan to deal with the risk.

Module 8

Section C: Incorporate Risk Management Principles

Term

Risk avoidance

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Changing a plan to eliminate a risk or to protect plan objectives from its impact.

Module 8

Section C: Incorporate Risk Management Principles

Term

Risk breakdown structure

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A tool that helps identify potential project risks, which are organized by risk categories and subcategories.

Module 8

Section C: Incorporate Risk Management Principles

Term

Risk management

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The identification, assessment, and prioritization of risks followed by coordinated and economical application of resources to minimize, monitor, and control the probability and/or impact of unfortunate events or to maximize the realization of opportunities.

Module 8

Section C: Incorporate Risk Management Principles

Term

Risk mitigation

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Reducing exposure to risk in terms of either its likelihood or its impact.

Module 8

Section C: Incorporate Risk Management Principles

Term

Smart contracts

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A self-executing contract with the terms of an agreement between a buyer and a seller written into lines of blockchain code. These contracts use technology to automatically ensure that contract terms are met. If a new action, transaction, or other information is added to the blockchain—or decentralized digital ledger of the agreement—that does not match the terms of the agreement already included in the blockchain, the information will be rejected, thus ensuring that all parties adhere to the contract.

Module 8

Section C: Incorporate Risk Management Principles

Term

Supply chain risk

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The variety of possible events and their outcomes that could have a negative effect on the flow of goods, services, funds, or information resulting in some level of quantitative or qualitative loss for the supply chain.

Module 8

Section C: Incorporate Risk Management Principles

Term

Traceability

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1) The attribute allowing the ongoing location of a shipment to be determined. 2) The registering and tracking of parts, processes, and materials used in production, by lot or serial number.