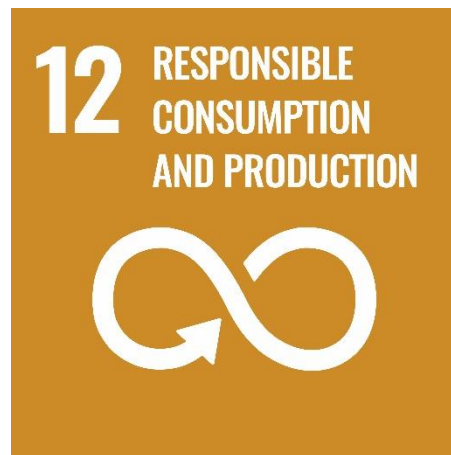


SUSTAINABLE DEVELOPMENT GOALS



12.2.3 Do you have a policy, process or practice on waste disposal - Covering hazardous materials?

The University of Business and Technology (UBT) has established a comprehensive Sustainable Waste Management Framework that integrates policy, infrastructure, and operational practices to ensure the safe and responsible handling of all waste types.

This framework aligns with Vision 2030 and the Saudi Green Initiative, reinforcing UBT's mission to reduce environmental impact, promote recycling, and embed sustainability into campus operations.

The framework applies to the entire UBT community—including students, faculty, staff, visitors, and service providers—and prioritizes three key goals:

1. Minimizing waste generation at the source.
2. Promoting recycling, re-use, and resource recovery.
3. Ensuring safe disposal of hazardous and medical waste through certified partners.

Through this multi-level approach, UBT demonstrates its ongoing commitment to environmental protection, community well-being, and compliance with both national and international waste-management standards.

1. Sustainable Waste Management Policy

UBT's approved Sustainable Waste Management Policy (UC.06.01) establishes the foundation for all campus-wide waste-management activities. This policy ensures that all UBT operations prioritize waste reduction and sustainable waste management as integral components of the university's operations.

Its primary objective is to minimize the generation of all waste types—organic, recyclable, and hazardous—through effective planning and responsible implementation across all departments and facilities. UBT seeks to reduce its environmental footprint, safeguard public health, and support the Kingdom's national environmental objectives.

The policy outlines comprehensive measures for waste minimization at the source, promotion of recycling initiatives, and safe, environmentally responsible disposal practices. This commitment applies to the entire UBT community—including students, faculty, staff, visitors, and service providers—who are encouraged to adopt and uphold sustainable waste practices.

Through this policy, UBT reaffirms its role as a responsible institution dedicated to environmental stewardship and sustainability as core institutional values.

Its specific objectives include:

- Reducing overall waste generation.
- Encouraging proper waste sorting and recycling.
- Managing hazardous waste safely and legally.
- Partnering with certified waste-management organizations.

The policy explicitly instructs members of the university community to separate waste by category and dispose of it through proper channels using designated containers or bins. It also restricts the handling of hazardous or regulated waste to trained and certified personnel, ensuring compliance with environmental and safety laws.

Figure 12.2.3 A – UBT Sustainable Waste Management Policy (UC.06.01)

Official approved policy outlining UBT’s waste-reduction principles, recycling hierarchy, and hazardous-waste handling procedures, endorsed by the University Council on 17 September 2024.

Sustainable Waste Management Policy

Policy Code:	UC.06.01
Policy Version No:	Ver. 1.0
Approval Date:	17/9/2024
Implementation Date:	17/9/2024
Revision Date:	September 2027
Policy Owner:	UBT Company

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1. Purpose

UBT, within the vision 2030 and the Kingdom initiatives towards the Green Saudi project, is working to be transferred into a green university that preaches and

applies sustainable development approaches and practices to reduce all types of generated waste.

This policy is designed to ensure that every activity is made to minimize the generation of all types of waste and that the waste is properly managed and disposed of in accordance with all the Kingdom regulations (Decree M/3 issued on the 5/1/1442 H).

2. Scope

This policy applies to all UBT members (faculty members (Full time and part time), Students (undergraduate and postgraduate), visitors, adjunct professors, and staff)

this policy covers the management of the different waste categories as follows:

A) Solid Waste

- Residential waste.
- Offices waste (paper, furniture, stationery).
- Food waste.
- Agriculture waste.
- Plastic waste.

B) Hazardous waste.

- Infectious biological and clinical waste.
- Chemicals.
- Solvents.
- Pesticides.
- Fluorescent light tubes.
- Batteries, non-edible oils.
- Asbestos.
- paints.

C) Liquid waste.

- Sewerages.
- Water Run-off.

D) Electronic Waste.

- Computers.
- Printers.
- Monitors.
- Microwaves.
- Telephones.
- Televisions.
- Laboratory appliances.
- Refrigeration units (freezers, refrigerators, and air conditioners).

3. Definitions & Acronyms

3.1 Definitions

Term	Definition
Landfilling	A landfill is an engineered method for land disposal of solid and hazardous waste.
Reduce	is the action to bring down to a smaller extent, size, amount, number, etc.
Reuse	is the action or practice of using an item, whether for its original purpose (conventional reuse) or to fulfil a different function (creative reuse or repurposing).
Hazardous Waste	a waste that can be harmful to health and environment. It includes infectious biological and clinical waste, chemicals, solvents, pesticides, fluorescent light tubes , batteries, non-edible oils, asbestos and paints.
Electronic waste	Waste that results from equipment operating with electric currents or electromagnetic fields with a voltage not exceeding 1000 volts for alternating currents and 1500 volts for direct currents. This waste includes all

	components, sub-assemblies and consumables that are part of the product upon its disposal. To name a few: phones, chargers, printers, computers, and electronic hubs, as it often contains sensitive data and hazardous materials (lead, chromium, cadmium, mercury, beryllium, nickel, zinc, brominated flame retardants, etc.)
Recycle	is the process of converting waste materials into new materials and objects.

3.2 Acronyms

Term	Definition

4. Policy Principles & Statement

UBT is committed to enhancing health and wellbeing of its campus community to increasing safety practices, to reducing consumption of energy and fuels, minimizing emissions and reducing all types of waste and managing them, as per the regulations of the Kingdom of Saudi Arabia.

UBT is following the European waste Framework directive that has 2 key objectives :

- to prevent and reduce the negative impacts caused by the generation and management of waste
- to improve resource efficiency.

UBT framework is as follows:

- 1- Waste prevention and re-use are the most preferred options (mostly applied).

- 2- followed by recycling (including composting) in collaboration with specific entities in the Kingdom of Saudi Arabia.
- 3- Energy recovery (rarely applied).
- 4- Waste disposal through landfills is the last resort.

All UBT members are expected to handle, store, recycle, and dispose materials in accordance with UBT laws, regulations, and guidance as per the official decree of the Kingdom of Saudi Arabia M/3 dated 15/01/1443 H.

Waste management.

- UBT shall Review and Develop legislation to address waste production and management.
- UBT works on building and maintaining a safe, and healthy green campus.
- UBT shall Establish contracts with vendors when necessary to responsibly handle University-generated waste.
- UBT shall Review its operations to determine where waste can be reduced at its sources of generation.
- UBT shall Acquire items that are durable, have minimal packaging, or are readily recyclable when discarded.
- UBT shall Assess purchasing decisions, making every attempt to purchase items only when needed and in amounts that are not excessive.
- UBT shall Ensure employees have access to compliant waste containers, including containers for recycling.
- UBT shall train its designated members in the related training for waste management.
- UBT shall follow its protocols for the storage and the disposal of waste.
- UBT Adopts energy efficiency standards.
- UBT Avoids carbon-intensive industries and similar chemical processes that cause

the emission of unhealthy gases.

- UBT, through the right entities, shall Measure and monitor the amount of landfill and recycled waste.

Preventing Waste.

- UBT shall set a Priority procurement plan of goods and services that have a less negative effect on human health and the environment.
- UBT Promotes the purchase of durable and environmentally preferable products and prioritizing these purchases over procurement of single-use or disposable products.
- UBT avoids bottled water where possible, and provides free drinking water to all staff, students, and visitors.
- UBT promotes alternate for single use plastic bags, for example: biodegradable, recycled , paper or fabric bags.
- UBT promotes the use of its mugs with UBT Logo, for all its members and visitors instead of the paper cup or plastic cup.
- UBT encourages the purchasing of rechargeable batteries.
- UBT shall reuse certain items (furniture, fabric items, scrab papers, inkjet and laser print cartridges, electronic devices, and folders, etc.).
- UBT promotes the minimum use of disposable items.

Sorting, recycling, and disposing Waste.

- UBT members shall Apply the appropriate approach and use the proper channels for separating waste based on its category and placing it in the appropriate containers (bags, Cardboard boxes, etc.).

- UBT members shall Handle specially regulated or hazardous wastes only if trained and certified to do so.
- Confidential waste has to be treated in a separate way where it should be placed in shredding sacks.
- UBT shall contracts with specific recycling entities regarding the recycling and the disposal of Plastic, food, paper, electronic waste, etc.

Research.

- UBT encourages its researchers to work on research topics that serve the Sustainable development Goals of the United Nations and the axes of the economic development axes of the Kingdom with the vision 2030, taking into consideration using eco-green and recycled materials, providing sustainable solutions.

Raise community environmental awareness and responsibility.

- UBT, through its students' affairs and intellectual awareness department, shall organize workshops and seminars on waste management processes that is efficient and responsible.
- UBT, through its students' affairs and intellectual awareness department, organizes awareness campaigns about preventing waste from being produced, reusing items, and segregating materials for recycling.
- It is the student's and staff's responsibility to dispose of waste in accordance with the University's procedures for waste disposal.
- It is imperative that all new members of staff and students are given training in the proper disposal of waste during their induction.

The policy, accountability, and evaluation.

- In order to measure the success of this policy, UBT should develop indicators and measures.

- A committee formed by the president is responsible for providing an annual report to the university council on the progress made toward the establishment of waste management policy indicators and measures.

5. Related Documents

This includes the following: (in hierarchical order), legislation, policies, other procedures and standards, guidelines, forms and other useful resources.

Document No.	Document Name	Document Type	Location

6. Version Control & Revision History

Version control	Date released	Approved by	Summary of changes

7. Approvals

University Council	Chair Name	Signature	Date
1/4/8	Dr. Weam Tunsi		17/9/2024

2. UBT Good Waste-Management Practices

UBT has taken proactive steps to enhance waste management across campus as part of its sustainability efforts. In addition to developing comprehensive waste-management policies, UBT is now in the active implementation stage. A crucial element of this plan is the distribution of recycling bins across key areas on campus, supporting waste-sorting practices among students, faculty, and staff.

The bins are clearly labeled for various types of waste—plastic, paper, metal, and general waste—helping to build awareness of recycling and encouraging the UBT community to make environmentally conscious choices.

While UBT is in the process of finalizing an agreement with a specialized recycling company to oversee waste collection and recycling, these bins enable the university to establish sustainable habits early on.

This dual approach—education and effective waste management—reinforces UBT’s commitment to creating a cleaner, greener campus through both practical infrastructure and external waste-management expertise.

It is clearly stated in the above-mentioned Sustainable Waste Management Policy that:

UBT members shall apply the appropriate approach and use the proper channels for separating waste based on its category and placing it in the appropriate containers (bags, cardboard boxes, etc.).

Waste Sorting, Recycling, and Disposal Guidelines

- UBT members are responsible for using appropriate methods and designated channels to separate waste by category and place it in suitable containers such as bags, cardboard boxes, or designated bins.
- Only trained and certified individuals are permitted to handle specially regulated or hazardous waste, ensuring safety and compliance with legal requirements.
- Confidential waste must be handled separately and securely, placed in shredding sacks to protect sensitive information.

- UBT partners with certified recycling organizations for the responsible recycling and disposal of various materials, including plastic, food waste, paper, and electronic waste, promoting sustainable waste-management practices across campus.

Figure 12.2.3 B – UBT Recycling Bins and Waste-Segregation Practices

Photograph of clearly labeled bins for plastic, paper, metal, general, and hazardous waste placed around campus, illustrating UBT’s implementation of its Sustainable Waste Management Policy and its commitment to responsible waste sorting.



3. Hazardous-Materials Management

As one of the primary health facilities on campus, the UBT Clinic is equipped to serve the medical needs of both students and staff. The clinic handles various hazardous materials, including medical waste that requires careful disposal. To ensure compliance with health and environmental safety regulations, UBT has partnered with a specialized waste-management company trained in the handling and recycling of hazardous medical waste. This company manages the collection, transportation, and safe disposal of

hazardous materials—such as used syringes, gloves, and other medical supplies that could pose risks if not properly managed.

By outsourcing hazardous-waste management to certified professionals, UBT safeguards the health of its community and aligns with best practices for hazardous-waste disposal, demonstrating a strong commitment to campus safety and environmental stewardship.

Figure 12.2.3 C – UBT Hazardous-Waste Handling Process

Overview of UBT’s medical-waste management procedures, showing labeled containers for hazardous waste and collaboration with a certified disposal company to ensure safe, compliant operations.

