



## Dedicated Training on Environmental Aspects of Sustainability at BAU

At Al-Balqa Applied University BAU, environmental sustainability is addressed through a **practical, skills-oriented training approach** that is embedded within the university's applied education model rather than delivered as isolated or purely theoretical content. As a national university specializing in technical, vocational, and applied disciplines, BAU focuses on **preparing graduates whose competencies directly influence environmental performance in key sectors**, including energy, water, industry, transportation, tourism, and community development. Dedicated training on environmental aspects of sustainability at BAU is delivered through **structured academic programs, professional training courses, EU- and donor-funded projects, and community-based initiatives**, all of which integrate environmental considerations relevant to each field. These trainings emphasize real-world application, such as energy efficiency practices, sustainable resource management, circular economy principles, climate-responsive planning, waste reduction, and environmentally responsible operations within technical and service sectors.

Rather than adopting a one-size-fits-all sustainability curriculum, BAU aligns its environmental training with **sector-specific needs and national priorities**, ensuring relevance to Jordan's environmental challenges and labor market demands. This approach allows students, trainees, and professionals to develop **environmentally informed decision-making skills** that can be applied directly in workplaces and local communities, contributing to measurable sustainability outcomes over time. Environmental sustainability training at BAU is further reinforced through



**institutional partnerships with government bodies, international organizations, industry, and civil society**, enabling the university to deliver targeted capacity-building programs that support national strategies on climate action, green growth, energy efficiency, water management, and sustainable development. Through this applied and partnership-driven model, BAU demonstrates a clear institutional commitment to environmental sustainability education that is **integrated, continuous, and impact-oriented**, supporting both the university's strategic mission and broader national and global sustainability goals in alignment with QS Sustainability expectations.

BAU Advances environmental sustainability through a structured set of institutional actions that include strategic memoranda of understanding, curriculum development, and applied training programs aligned with national priorities. Through partnerships with government entities, international organizations, industry, and civil society—such as EU-funded projects, cooperation with KOICA, environmental research centers, and sector-specific MoUs, the university integrates environmental considerations into technical and applied curricula across multiple disciplines. These collaborations support the introduction and continuous updating of programs related to energy efficiency, water management, sustainable tourism, digital transformation, and climate-responsive infrastructure, while also enabling targeted training, joint research, and community-based projects. Collectively, these efforts ensure that environmental sustainability is embedded within BAU's applied education model, contributing to workforce readiness, responsible resource management, and long-term alignment with Jordan's environmental and development strategies.



The following examples highlight Al-Balqa Applied University's dedicated efforts to integrate environmental aspects of sustainability into training, curriculum development, institutional partnerships, and applied learning activities.



The International Research Center for Water, Environment, and Energy (IRCWEE) has obtained a [vocational and technical training license](#) from the Accreditation and Quality Assurance Commission to provide vocational training and education services in the fields of water professions, environmental professions, and energy professions.



<p style="text-align: center;"><b>Al-Balqa Applied University Appointed Chair of UN Sustainable Development Goal 4 (Quality Education)</b></p>	
<b>Goal</b>	Lead international efforts to advance inclusive, high-quality, and applied education that supports sustainable development, workforce readiness, and long-term social and environmental resilience.
<b>Description</b>	<p>The United Nations Academic Impact (UNAI) announced the selection of Al-Balqa Applied University to chair the United Nations SDG 4 (Quality Education) Chair for the period 2025–2027, following a competitive process involving more than 330 universities worldwide. The university was selected in recognition of its strong track record in applied, technical, and academic education aligned with student needs and local and regional labor markets, as well as its nationwide institutional presence supporting sustainable development through colleges and specialized centers across Jordan. The appointment also reflects the university’s growing international engagement through development-oriented projects that promote innovation, entrepreneurship, and applied research for societal impact, including initiatives focused on women’s digital skills and inclusive development.</p> <p>As Chair of SDG 4, Al-Balqa Applied University will establish an international platform to disseminate best practices in education, strengthen global academic partnerships, and support the design and incubation of local and international initiatives aimed at improving education quality and access. The President of the university</p>



	emphasized that this achievement represents a milestone aligned with the university’s vision to be a globally leading applied university, excelling in teaching, innovation, research, and community-oriented development.
<b>Target Group</b>	Students; educators; academic institutions; policy makers; local and international development partners; community stakeholders.
<b>Environmental theme</b>	Education for sustainable development; skills for green and resilient economies; inclusive learning systems supporting long-term environmental awareness and responsible practices. While primarily education-focused, the initiative contributes indirectly to environmental sustainability by embedding sustainability-oriented knowledge, applied skills, and innovation capacity within education systems, supporting future professionals who can address environmental challenges, promote responsible resource use, and contribute to climate-resilient development.
<b>BAU Policy / strategy linkage</b>	Al-Balqa Applied University Strategy for Applied Education and Innovation   Jordan National Sustainable Development Framework   Higher Education Modernization Strategy   National Green Growth Plan   UN Sustainable Development Agenda 2030
<b>Related SDG's</b>	SDG 4: Quality Education, SDG 8: Decent Work and Economic Growth, SDG 9: Industry, Innovation and Infrastructure, SDG 11: Sustainable Cities and Communities, SDG 12: Responsible Consumption and Production, SDG 13: Climate Action, SDG 17: Partnerships for the Goals.






**Evidence**

<https://www.un.org/en/academic-impact/unai-sdg-hub-4>

The screenshot shows the United Nations Academic Impact (UNAI) website. At the top, there is the United Nations logo and the text 'United Nations Academic Impact'. Below this is a navigation menu with links for 'About UNAI', 'News & Events', 'UNAI SDG Hubs', 'SDGs at Academic', 'For Universities', 'Get Involved', 'Publications', 'Newsroom', and 'Contact Us'. The main content area features a banner for 'UNAI SDG Hub 4'. The banner includes an aerial photograph of a large university campus with several buildings and green spaces. At the bottom of the banner, there is a red bar with the United Nations logo, the text 'United Nations Academic Impact', 'SUSTAINABLE DEVELOPMENT GOALS', and '4 QUALITY EDUCATION' with an icon of an open book and a pencil.



<b>Earth Stories: Virtual Exchange Program on Digital Storytelling, Environment, and Cultural Dialogue</b>			
<b>Goal</b>	To enhance students’ environmental awareness and critical understanding of human–environment relationships through digital storytelling and problem-based learning in an international virtual exchange context.		
<b>Training Description</b>	Earth Stories is a virtual exchange educational program developed through collaboration between Al-Balqa Applied University and Miami Dade College. The program engages undergraduate students in joint international learning experiences focused on environmental, human, and cultural issues. Through digital storytelling, podcast production, and problem-based learning, students collaboratively explore real-world challenges related to the environment, human identity, and sustainability, while developing critical thinking and cross-cultural communication skills.		
<b>TG</b>	Students		
<b>Environmental theme</b>	Environmental awareness, human–environment interaction, sustainability narratives, climate and environmental issues through digital media.		
<b>Related SDG's</b>			
	<a href="#"><u>Earth Stories</u></a>		









<p><b>Evidence</b></p>	 <p><b>Climate Stories Virtual Exchange</b> Apply by January 31, 2025 for Spring cohort</p> <p>Attention Students!</p> <p><b>Benefits of the Program</b></p> <ul style="list-style-type: none"> <li>• Gain international perspective</li> <li>• Research stories of the climate initiative and the US State Department with respect to requirements for admission and professional growth</li> <li>• Receive technology support if you experience issues or need career advisory support to assist in search and CV</li> </ul> <p><b>Student Expectations</b></p> <ul style="list-style-type: none"> <li>• Maintain weekly work schedule</li> <li>• Attend sessions</li> <li>• Participate in the program activities and assignments in program</li> </ul> <p><b>Interest Areas</b></p> <p>https://www.usaid.gov/our-work/education-and-development/education/education-exchange-program</p> <p>USAID   State Dept   UN   World Bank   WFP   UNICEF   UN Women   UNHCR   IOM   UNRWA   UNCTAD   UNCTD   UNCTD   UNCTD</p>	 <p><b>Earth Stories Virtual Exchange</b></p> <p><b>CERTIFICATE OF COMPLETION</b></p> <p>THIS IS TO CERTIFY THAT</p> <p><b>RAMA ALZAINAT</b></p> <p>SUCCESSFULLY COMPLETED THE</p> <p><b>Earth Stories Summer 2025 Program</b></p> <p><i>[Signature]</i> AL-BALQA APPLIED UNIVERSITY PROGRAM DIRECTOR - EDUCATION</p> <p><i>[Signature]</i> RAMA ALZAINAT PROGRAM DIRECTOR - EDUCATION</p> <p>USAID   State Dept   UN   World Bank   WFP   UNICEF   UN Women   UNHCR   IOM   UNRWA   UNCTAD   UNCTD   UNCTD   UNCTD</p>
------------------------	--	---



EU-Funded WETCARB Project on Carbon Sequestration in Climate Change Mitigation	
<b>Goal</b>	To enhance research and technical capacity in carbon sequestration, climate change mitigation, and wetland ecosystem management through a fully funded European research project.
<b>Description</b>	BAU secured a fully funded European research project under the PRIMA Program, which develops a digital platform for monitoring, reporting, and verifying carbon sequestration in Mediterranean wetlands, combining field measurements, intelligent modeling, and regenerative agricultural practices, and trains researchers and practitioners in environmental monitoring, climate modeling, sustainable water management, and ecosystem-based climate solutions.
<b>Target Group</b>	Students, Staff
<b>Environmental theme</b>	Carbon sequestration, climate change mitigation, greenhouse gas monitoring, sustainable water and land management
<b>Related SDG's</b>	<div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;">  <p>4 QUALITY EDUCATION</p> </div> <div style="text-align: center;">  <p>6 CLEAN WATER AND SANITATION</p> </div> <div style="text-align: center;">  <p>13 CLIMATE ACTION</p> </div> <div style="text-align: center;">  <p>15 LIFE ON LAND</p> </div> <div style="text-align: center;">  <p>17 PARTNERSHIPS FOR THE GOALS</p> </div> </div>
<b>Evidence</b>	<p><u><a href="#">EU-Funded WETCARB Project</a></u></p> 











The WATER4MED project	
<b>Goal</b>	Develop innovative solutions for water management in the Mediterranean region, focusing on adaptation to increasing climate change challenges.
<b>Description</b>	The project aims to improve water resource management by developing integrated models to predict water availability under climate change and varying demands, assessing basin resilience through groundwater response, and evaluating groundwater vulnerability using advanced scientific tools. It also explores innovative recharge systems (Flood-MAR) to enhance water storage during extreme rainfall and integrates all findings into effective water governance and planning frameworks.
<b>Target Group</b>	Students, Staff
<b>Environmental theme</b>	Carbon sequestration, climate change mitigation, wetland ecosystem restoration, greenhouse gas monitoring, sustainable water and land management
<b>Related SDG's</b>	<div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;">  <p>4 QUALITY EDUCATION</p> </div> <div style="text-align: center;">  <p>6 CLEAN WATER AND SANITATION</p> </div> <div style="text-align: center;">  <p>13 CLIMATE ACTION</p> </div> <div style="text-align: center;">  <p>17 PARTNERSHIPS FOR THE GOALS</p> </div> </div>
<b>Evidence</b>	<p><a href="#">WATER4MED</a></p> <div style="text-align: center;">  <p>Water Management Strategies and Adaptation Actions under a Global Change Context for the Mediterranean Region</p> </div> <p style="text-align: center;"><u>About the Project</u></p> <p>The WATER4MED project aims to develop innovative solutions for water management in the Mediterranean region, focusing on adaptation to increasing climate change challenges.</p> <p>Our goal is to improve water governance models and propose solutions for water storage and flood mitigation.</p> <div style="text-align: center;">  </div>



Flagship Projects Enhancing Environmental Sustainability	
<b>Goal</b>	This initiative highlights the university’s commitment to linking theoretical knowledge with practical application, promoting a culture of quality and sustainability, and achieving academic excellence across disciplines.
<b>Description</b>	<p>Students enrolled in the <i>Total Quality Management in Educational Institutions</i> course within the Master’s Program in Educational Administration were assigned to implement applied field projects reflecting the principles of quality management and environmental sustainability.</p> <p>The projects included both individual and group components. Each student developed an individual quality model demonstrating their understanding of Total Quality Management concepts and their practical application in educational institutions. In addition, students worked collaboratively to design sustainable models for kindergartens, schools, and universities based on international green quality standards, aiming to transform them into environmentally friendly learning environments.</p> <p>Students were organized into three groups to ensure effective coordination and smooth implementation, under the direct supervision of the course instructor.</p>
<b>Target Group</b>	Students
<b>Environmental theme</b>	Carbon sequestration, climate change mitigation, sustainable water, energy and land management





<b>Related SDG's</b>					
<b>Evidence</b>	<b><u>Projects Enhancing Environmental Sustainability</u></b>				
					
					









Academic–Industry link with the Jordanian Electric Power Company in Artificial Intelligence and Energy Technologies	
<b>Goal</b>	To strengthen applied education and workforce readiness by integrating artificial intelligence and energy technologies into academic programs, supporting sustainable energy systems and enhancing student employability through industry collaboration.
<b>Description</b>	<p><b>Al-Balqa Applied University</b> hosted the Director General of the <b>Jordanian Electric Power Company</b> to explore avenues for academic and technical cooperation in artificial intelligence, data analytics, and electrical energy technologies.</p> <p>Discussions focused on aligning academic programmes—particularly in artificial intelligence, data science, and energy technology—with the evolving needs of the national energy sector. The partnership emphasizes applied training, professional preparation, and the creation of training and employment opportunities for students and graduates. The collaboration also highlighted the University’s Faculty of Artificial Intelligence and the joint development of the Electrical Energy Technology specialization, designed to connect academic knowledge with real-world energy systems and to prepare skilled national cadres capable of supporting the electricity and energy sector efficiently.</p>
<b>Target Group</b>	Students, Staff
<b>Environmental theme</b>	Environmental sustainability through smart energy systems, application of artificial intelligence in energy efficiency and data-



	<p>driven decision-making, and capacity building for sustainable electricity and energy sector development</p>
<p><b>BAU Policy / strategy linkage</b></p>	<p>University strategy for applied education, innovation, and digital transformation; alignment with national energy sector development priorities and sustainable workforce capacity building</p>
<p><b>Related SDG's</b></p>	
<p><b>Evidence</b></p>	<p><b>Academic–Industry link with the Jordanian Electric Power Company in Artificial Intelligence and Energy Technologies</b></p> 



MoU with the (FAO) on Food Security and Sustainable Agriculture	
<b>Goal</b>	To strengthen education, research, and capacity building in food security and sustainable agriculture through institutional cooperation with an international organization, supporting resilient agri-food systems and climate-responsive development.
<b>Description</b>	<p>Al-Balqa Applied University signed a memorandum of cooperation with the Food and Agriculture Organization of the United Nations (FAO) to establish a framework for future collaboration in education, research, innovation, and capacity building.</p> <p>The cooperation focuses on food security, sustainable agriculture, biodiversity protection, and the development of climate-resilient agri-food systems. Through this partnership, both parties aim to support local communities, enhance applied research, and strengthen institutional capacities to address the impacts of climate change on agriculture and food systems. The memorandum represents a foundational step toward a broader, long-term institutional partnership.</p>
<b>Target Group</b>	Students, Staff
<b>Environmental theme</b>	Environmental sustainability through food security, sustainable agriculture, biodiversity protection, climate-resilient agri-food systems, and community-based capacity building
<b>Related SDG's</b>	<div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;">  <p>2 ZERO HUNGER</p> </div> <div style="text-align: center;">  <p>4 QUALITY EDUCATION</p> </div> <div style="text-align: center;">  <p>12 RESPONSIBLE CONSUMPTION AND PRODUCTION</p> </div> <div style="text-align: center;">  <p>13 CLIMATE ACTION</p> </div> <div style="text-align: center;">  <p>15 LIFE ON LAND</p> </div> <div style="text-align: center;">  <p>17 PARTNERSHIPS FOR THE GOALS</p> </div> </div>
	<a href="#">MoU with the (FAO) on Food Security and Sustainable Agriculture</a>




**Evidence**





<b>Participation in the EU-Funded MED-UP Project: Partner Meeting and National Workshop on Community Engagement</b>	
<b>Goal</b>	To strengthen the role of universities in community engagement and sustainable development through regional cooperation, knowledge exchange, and institutional capacity building across the Mediterranean and North Africa region.
<b>Description</b>	<p><b>Al-Balqa Applied University</b> participated in the partners’ meeting of the EU-funded <b>MED-UP Project</b>, bringing together academic institutions and public bodies from Jordan, the Mediterranean region, and North Africa to review project progress and enhance inter-university cooperation. The meeting was followed by a national workshop titled “The Role of Universities in Enhancing Community Engagement in the Eastern Mediterranean and North Africa Region”, which provided a platform for exchanging experiences, showcasing best practices, and strengthening sustainable partnerships among universities.</p> <p>The University’s participation, through the project management team and representatives from the Deanship of Scientific Research and Innovation, emphasized its commitment to applied research, innovation, and community-oriented academic practices that support sustainable societal development.</p>
<b>Target Group</b>	Students, Academic staff, Institutional partners.
<b>Environmental theme</b>	Environmental sustainability through community engagement, regionally coordinated academic cooperation, and university-led



	initiatives that support resilient, inclusive, and sustainable communities.
<b>BAU Policy / strategy linkage</b>	University strategy for community engagement, research, and innovation; alignment with regional and international cooperation frameworks supporting sustainable development and higher education reform.
<b>Related SDG's</b>	SDG 4 (Quality Education); SDG 11 (Sustainable Cities and Communities); SDG 13 (Climate Action); SDG 17 (Partnerships for the Goals)
	   
<b>Frequency</b>	Project-based and periodic, linked to MED-UP partner meetings, workshops, and ongoing collaborative activities
<b>Evidence</b>	<a href="https://shorturl.at/OfJEs">https://shorturl.at/OfJEs</a>
	



The 2 <sup>ND</sup> International Conference of the Faculty of Business: The Future of Sustainability in the Business Environment – Tourism Development, Innovation, and Resilience	
<b>Goal</b>	To promote knowledge exchange and interdisciplinary dialogue on sustainable business practices, with particular emphasis on tourism development, innovation, and organizational resilience, supporting environmentally and economically sustainable growth.
<b>Description</b>	Al-Balqa Applied University hosted the Second International Conference of the Faculty of Business under the theme “The Future of Sustainability in the Business Environment: Tourism Development, Innovation, and Resilience.” The three-day international conference brought together academics, researchers, policymakers, and industry professionals from Jordan and several Arab countries to discuss sustainability-oriented business models in the context of economic, technological, and environmental change. Conference sessions addressed sustainable tourism development, innovation-driven business practices, and organizational resilience, alongside governance and policy perspectives. Through scientific presentations, panel discussions, and case studies, the conference supported collaboration between academia and practice and encouraged the integration of sustainability principles across economic sectors.
<b>Target Group</b>	Students; Academic Staff; Researchers; Industry Professionals; Policymakers
<b>Environmental theme</b>	Environmental sustainability through sustainable tourism development, responsible business practices, innovation for resource









	<p>efficiency, and resilience-based economic models that reduce environmental impact.</p>
<p><b>BAU Policy / strategy linkage</b></p>	<p>University strategy for research excellence and international engagement; alignment with national and regional priorities related to sustainable development, innovation, and responsible business environments.</p>
<p><b>Related SDG's</b></p>	
<p><b>Evidence</b></p>	<p><u>The 2<sup>ND</sup> International Conference of the Faculty of Business</u></p>










<b>Sustainable University Transportation Awareness and Service Improvement Initiative at Al-Balqa Applied University</b>	
<b>Goal</b>	To enhance students’ access to safe, reliable, and environmentally responsible transportation services through capacity-building, stakeholder coordination, and awareness-oriented service improvement, contributing to a more inclusive and sustainable university environment.
<b>Description</b>	Al-Balqa Applied University implemented a coordinated institutional initiative aimed at improving university transportation services for students commuting to and from the main campus and the Faculty of Medicine. The initiative focused on assessing transportation challenges, developing sustainable service solutions, and strengthening institutional capacity to manage student mobility needs effectively. Through structured coordination with national transport stakeholders, the university contributed to practical knowledge exchange on sustainable transport planning, safety standards, peak-hour mobility management, and service quality improvement. The activity supported student-centered service enhancement by identifying operational gaps, promoting safe transport practices, and aligning transportation services with sustainability and accessibility principles, particularly for students residing in surrounding regions.
<b>Target Group</b>	Students; University Administrative Staff; Transport Service Stakeholders.
<b>Environmental theme</b>	Sustainable mobility, reduction of transport-related emissions, promotion of safe and efficient public transportation systems, and



	<p>improved accessibility within mountainous and urban-connected university environments.</p>				
<p><b>BAU Policy / strategy linkage</b></p>	<p>University student welfare and sustainability policies; national public transportation improvement frameworks; alignment with sustainable urban mobility and inclusive education strategies.</p>				
<p><b>Related SDG's</b></p>	<p>SDG 4 (Quality Education); SDG 7 (Affordable and Clean Energy); SDG 11 (Sustainable Cities and Communities); SDG 13 (Climate Action); SDG 17 (Partnerships for the Goals).</p>				
<p><b>Evidence</b></p>					
	<p><a href="https://shorturl.at/VFKca">https://shorturl.at/VFKca</a></p>				
					









Recognition of BAU Engineering Students for the Outstanding Student Chapter Award by the American Concrete Institute (ACI)	
<b>Goal</b>	To promote student excellence in civil engineering, applied research, and innovation in sustainable construction and concrete technology, while strengthening leadership and global academic recognition.
<b>Description</b>	Al-Balqa Applied University (BAU) honored the ACI–BAU Student Chapter for receiving the <b>Outstanding Student Chapter Award 2024</b> from the American Concrete Institute (ACI), recognizing excellence in academics, applied research, professional engagement, and community service in concrete technology and civil engineering.
<b>Target Group</b>	Undergraduate engineering students
<b>Environmental theme</b>	Sustainable construction materials, resilient infrastructure, resource-efficient concrete technology, and environmentally responsible civil engineering.
<b>Related SDG's</b>	     
<b>Evidence</b>	<p style="text-align: center;"><u><a href="#">Award by the American Concrete Institute (ACI)</a></u></p> 









**Leadership Summit: Sustainable Leadership, Strategic Negotiation, and Long-Term Impact**

<p><b>Goal</b></p>	<p>To strengthen leadership, negotiation, and strategic thinking capacities among students, academics, and professionals, with a focus on responsible leadership and sustainable impact.</p>
<p><b>Description</b></p>	<p>BAU organized the <b>Leadership Summit 2025</b> under the theme “Lead with Presence, Negotiate with Purpose, and Build a Legacy that Lasts,” in the EU-funded INTERNSA project. The summit featured workshops and dialogues on executive presence, ethical leadership, strategic negotiation, and long-term value creation, uniting leaders from academia, finance, policy, and entrepreneurship.</p>
<p><b>Target Group</b></p>	<p>Students, academic staff, professionals, and emerging leaders.</p>
<p><b>Environmental theme</b></p>	<p>Leadership for sustainable development, responsible decision-making, and governance supporting environmental and social resilience.</p>
<p><b>Related SDG's</b></p>	
<p><b>Evidence</b></p>	<p><u><b>Leadership Summit 2025</b></u></p>









International Capacity Building and Green Energy Collaboration with Chinese Academic and Cultural Institutions	
<b>Goal</b>	To enhance international academic cooperation and institutional capacity in clean energy, language proficiency, and intercultural education, promoting sustainable development and global engagement.
<b>Description</b>	BAU hosted the Cultural Counselor of the Chinese Embassy in Jordan and a delegation from the Chinese Cultural Center to discuss collaborative training, research initiatives, and the proposed Green Energy Joint Laboratory. The engagement also aims to expand Chinese language education, enhance student skills, research capacity, and support sustainable technology transfer
<b>Target Group</b>	Students, Academic staff.
<b>Environmental theme</b>	Clean energy education, green technology research, and low-carbon international cooperation.
<b>Related SDG's</b>	    
<b>Evidence</b>	<p><a href="https://www.bau.edu.jo/News/NewsDetail.aspx?news_id=16118">https://www.bau.edu.jo/News/NewsDetail.aspx?news_id=16118</a></p> 



Graduate Research Capacity Building in Energy-Efficient Wireless Communication Systems	
<b>Goal</b>	To strengthen postgraduate research capacity in energy-efficient communication technologies, supporting innovation in sustainable digital infrastructure and advanced engineering solutions.
<b>Description</b>	Al-Balqa Applied University (BAU), in collaboration with Al Ain University (UAE), successfully defended a master's thesis on <b>“Energy-Efficient MIMO Network Design”</b> , focusing on optimizing energy use in wireless networks and advancing sustainable digital infrastructure through applied research.
<b>Target Group</b>	Students, Academic staff, and researchers.
<b>Environmental theme</b>	Energy efficiency in digital and communication infrastructure, sustainable ICT systems, and reduced energy consumption.
<b>Related SDG's</b>	     
<b>Evidence</b>	<p><a href="https://www.bau.edu.jo/News/NewsDetail.aspx?news_id=16057">https://www.bau.edu.jo/News/NewsDetail.aspx?news_id=16057</a></p> 











Youth-Led Workshops on Cultural Heritage Protection and Sustainable Conservation	
<b>Goal</b>	Empower youth to actively participate in the protection of tangible and intangible cultural heritage, while strengthening environmental awareness and sustainable development values.
<b>Description</b>	Organized “ <b>Youth Voices for Heritage Protection</b> ” sessions and workshops under the Diwan of Antiquities and Heritage #9, engaging students, international experts, and research institutions to build skills in digital documentation, sustainable heritage management, environmental risk mitigation, and innovative heritage presentation.
<b>Target Group</b>	Students (especially Architecture and Built Environment students), youth, researchers, heritage professionals, and civil society organizations.
<b>Environmental theme</b>	Sustainable cultural heritage preservation, protection of heritage sites from environmental degradation, climate impacts on historic environments, and integration of environmental sustainability into heritage conservation practices.
<b>Related SDG's</b>	    
<b>Evidence</b>	 <p><a href="https://www.bau.edu.jo/News/NewsDetail.aspx?news_id=15938">https://www.bau.edu.jo/News/NewsDetail.aspx?news_id=15938</a></p>









Advancing Sustainable Industrial Skills, Green Employment	
<b>Goal</b>	To strengthen sustainable technical education, support green and decent employment, and align applied training with environmentally responsible industrial development and labor market needs.
<b>Description</b>	BAU signed an agreement with the Jordan Industrial Estates Company to advance practical training, applied projects, and graduate employment, while promoting innovation, sustainability, and green industrial practices.
<b>Target Group</b>	Technical and engineering students; recent graduates; academic staff; industrial sector professionals; SMEs operating in industrial estates; workforce development stakeholders.
<b>Environmental theme</b>	Sustainable industrialization; green skills and clean production; resource efficiency; environmentally responsible manufacturing; innovation for sustainable infrastructure; reduction of industrial environmental impact.
<b>Related SDG's</b>	     
<b>Evidence</b>	<p><a href="https://www.bau.edu.jo/News/NewsDetail.aspx?news_id=15819">https://www.bau.edu.jo/News/NewsDetail.aspx?news_id=15819</a></p> 









Al-Balqa Applied University Participation in International Week at Krakow University	
<b>Goal</b>	To advance sustainable higher education, foster knowledge exchange on global challenges, and integrate environmental and sustainability principles into academic collaboration and capacity-building.
<b>Description</b>	BAU participated actively in the International Week Shaping the Future of Global Business” hosted by Krakow University of Economics in Poland. The participation included academic and administrative meetings, interactive workshops, and knowledge-exchange sessions focusing on future-oriented higher education, sustainable business models, institutional governance, and international collaboration.
<b>Target Group</b>	leadership; academic and administrative staff
<b>Environmental theme</b>	Sustainable higher education; environmentally responsible internationalization; sustainability in global business education; green institutional practices; integration of climate and sustainability topics in academic cooperation.
<b>Related SDG's</b>	      
<b>Evidence</b>	<p><a href="https://www.bau.edu.jo/News/NewsDetail.aspx?news_id=15809">https://www.bau.edu.jo/News/NewsDetail.aspx?news_id=15809</a></p> 










A Community Environmental Clean-Up Campaign to Protect and Promote Sustainable Environmental Awareness	
<b>Goal</b>	To foster community environmental responsibility and engage youth in sustainability and volunteer initiatives.
<b>Description</b>	BAU participated in an environmental clean-up campaign in Jalad, organized by Al-Balqa Governorate, promoting landscape preservation, hygiene, environmental awareness, and community volunteerism.
<b>Target Group</b>	University students; academic and administrative staff; local community members; youth volunteers; civil society organizations.
<b>Environmental theme</b>	Environmental protection; waste management; conservation of tourist and natural areas; community-based environmental action; environmental awareness and volunteerism.
<b>Related SDG's</b>	<div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;">  <p>4 QUALITY EDUCATION</p> </div> <div style="text-align: center;">  <p>11 SUSTAINABLE CITIES AND COMMUNITIES</p> </div> <div style="text-align: center;">  <p>12 RESPONSIBLE CONSUMPTION AND PRODUCTION</p> </div> <div style="text-align: center;">  <p>13 CLIMATE ACTION</p> </div> <div style="text-align: center;">  <p>17 PARTNERSHIPS FOR THE GOALS</p> </div> </div>
<b>Evidence</b>	<p><a href="https://www.bau.edu.jo/News/NewsDetail.aspx?news_id=15493">https://www.bau.edu.jo/News/NewsDetail.aspx?news_id=15493</a></p> 









Environmentally Sustainable Agricultural Innovation Reducing Food Waste	
<b>Goal</b>	To promote sustainable agricultural innovation, reduce post-harvest food loss, and encourage environmentally responsible entrepreneurship among university students through practical, eco-friendly solutions.
<b>Description</b>	Her Royal Highness Princess Alia Al-Tabbaa patronized the <b>Innovation and Creativity Forum</b> , where BAU students were honored for their entrepreneurial agricultural project “ <b>Basket of Life.</b> ” The project developed smart, fully recyclable cardboard packaging that extends fruit and vegetable shelf life, reduces food waste, and supports sustainable, circular supply chains.
<b>Target Group</b>	University students; young entrepreneurs; agricultural producers; packaging and logistics sectors; innovation and entrepreneurship stakeholders.
<b>Environmental theme</b>	Sustainable agriculture; food loss reduction; recyclable packaging; circular economy; environmentally responsible supply chains.
<b>Related SDG's</b>	<p><a href="https://www.bau.edu.jo/News/NewsDetail.aspx?news_id=15426">https://www.bau.edu.jo/News/NewsDetail.aspx?news_id=15426</a></p> <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;">  <p>2 ZERO HUNGER</p> </div> <div style="text-align: center;">  <p>4 QUALITY EDUCATION</p> </div> <div style="text-align: center;">  <p>9 INDUSTRY, INNOVATION AND INFRASTRUCTURE</p> </div> <div style="text-align: center;">  <p>12 RESPONSIBLE CONSUMPTION AND PRODUCTION</p> </div> <div style="text-align: center;">  <p>13 CLIMATE ACTION</p> </div> <div style="text-align: center;">  <p>17 PARTNERSHIPS FOR THE GOALS</p> </div> </div>



BAU Students Win Huawei Regional ICT Grand Prize, Advancing Green Digital Innovation	
<b>Goal</b>	To empower youth with advanced digital and innovation skills that drive sustainable development, smart technologies, and environmentally efficient digital transformation.
<b>Description</b>	BAU students won the <b>Grand Prize</b> at the Huawei Regional ICT Competition 2024–2025, showcasing excellence in innovation, digital skills, and sustainable ICT solutions, reflecting the university’s focus on technical education and global technology partnerships.
<b>Target Group</b>	University students in ICT, AI, and applied technology programs; academic staff; innovation and digital transformation stakeholders.
<b>Environmental theme</b>	Green digital innovation; smart technologies for resource efficiency; ICT solutions enabling sustainable infrastructure, reduced emissions, and environmentally responsible digital economies.
<b>Related SDG's</b>	     
<b>Evidence</b>	<a href="https://www.bau.edu.jo/News/NewsDetail.aspx?news_id=15384">https://www.bau.edu.jo/News/NewsDetail.aspx?news_id=15384</a>
	



EU-Funded Training of Trainers Program to Support Youth Engagement in Sustainable Community Development	
<b>Goal</b>	To boost youth engagement in local development by developing practical skills in community entrepreneurship, circular economy, and design thinking, fostering sustainable and inclusive growth in Jordanian communities.
<b>Description</b>	BAU launched the <b>Training of Trainers (TOT)</b> program under the EU-funded MyCommunity project with Namaa Association, engaging 300 students and 30 municipal employees in Balqa, Madaba, and Aqaba. The program focuses on community entrepreneurship, circular economy, and design thinking, guiding participants to develop innovative community projects with mentoring, workshops, and impact evaluation, with selected initiatives receiving financial support.
<b>Target Group</b>	University students; municipal employees; academic mentors; local community stakeholders in Balqa, Madaba, and Aqaba.
<b>Environmental theme</b>	Community-based sustainability initiatives; circular economy practices; responsible local resource use; environmentally conscious project design; youth-led solutions addressing local environmental and social challenges.
<b>Related SDG's</b>	<div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;">  <p>4 QUALITY EDUCATION</p> </div> <div style="text-align: center;">  <p>8 DECENT WORK AND ECONOMIC GROWTH</p> </div> <div style="text-align: center;">  <p>11 SUSTAINABLE CITIES AND COMMUNITIES</p> </div> <div style="text-align: center;">  <p>12 RESPONSIBLE CONSUMPTION AND PRODUCTION</p> </div> <div style="text-align: center;">  <p>13 CLIMATE ACTION</p> </div> <div style="text-align: center;">  <p>17 PARTNERSHIPS FOR THE GOALS</p> </div> </div>
	<a href="https://www.bau.edu.jo/News/NewsDetail.aspx?news_id=15070">https://www.bau.edu.jo/News/NewsDetail.aspx?news_id=15070</a>



**Evidence**





Below is a sample of environmental awareness initiatives



BAU Green Calendar



Practical training for students of the Wastewater Treatment Department at Al Balqa Applied University Station for Excellence in Water and Environmental Engineering and Technology



Raising Student Awareness on Water Treatment Technologies through Educational Visits at BAU's Fuheis Station



IRCWEE Promoting Environmental and Water Awareness through Regional Climate Adaptation Dialogue



UNDP-ASEZA-BAU Collaboration on Nature-Based Climate Adaptation for Aqaba's Coastal Ecosystems



Food Security Coemption



MoU: the Islamic Network for Water Resources Development and Management (Water Harvesting and Afforestation) in the areas of Hamrat Al-Sahen



Promoting awareness of water conservation and governance



Strengthening National Capacities in Decentralized Wastewater Treatment



Students visited the National Agricultural Research Center



A Lecture on the Impact of Climate Change on Cultural Heritage”



Green Development/ Clean Energy



Salt Technical College Students Explore BAU’s Energy Conservation Efforts



كلية الزراعة التكنولوجية في البلقاء التطبيقية تستقبل الباحثة الإيطالية بروفيسورة باسانتينو في إطار برنامج (إيراسموس بلس)

1418 0144 20-04-2025



“Animal Welfare Legislation and Its Relationship to Livestock Production and Food Safety”

احم بيتك



هل لديك الإبداع؟ شارك معنا وكن جزءًا من التغيير



Awareness movie



“Our Footprint for a Greener Environment”



Princess Rahma University College participates in the Climate Change / Green Volunteering Program



A Lecture on Sustainable Building Design



A scientific visit for students of the Renewable Energy Systems course.



The 4th International Conference on Artificial Intelligence for Disaster Management



Video shows student visit foe royal garden



A Seminar on the Environmental and Seismic Challenges of the Dead Sea”



Green Environment initiative



Emerging into Impact Workshop



Green Hackathon for Green Innovation



The initiative “Guardians of the Environment”



Lecture: Food Safety Challenges in Complex Global



# Al-Balqa Applied University

