Baku State University

ACADEMIC CONTRIBUTIONS TO SDG: A COURSE-BASED ANALYSIS









INTRODUCTION

The Sustainable Development Goals (SDGs) are a collection of 17 global goals set by the United Nations General Assembly in 2015 as part of the 2030 Agenda for Sustainable Development. These goals are designed to be a "blueprint to achieve a better and more sustainable future for all" by addressing various global challenges such as poverty, inequality, climate change, environmental degradation, peace, and justice.

Here's how the SDGs can be aligned with a university curriculum, specifically the Baku State University (BSU), to demonstrate its commitment to sustainable development:

- Incorporating SDGs into Course Content: BSU integrates the principles and objectives of the SDGs into the content of its courses across disciplines. For example, economics courses can explore topics related to poverty alleviation (SDG 1) and economic growth (SDG 8), while environmental science courses focus on issues like climate action (SDG 13) and life on land (SDG 15).
- 2. **Research and Projects:** BSU encourages research and projects that address specific SDGs. Faculty and students work on projects related to sustainable development, such as studying renewable energy technologies (SDG 7), conducting biodiversity research (SDG 15), or analyzing policies for gender equality (SDG 5).
- 3. **Community Engagement:** BSU engages with local communities to contribute to the achievement of the SDGs. This involves outreach programs, volunteering activities, or partnerships with local organizations working on





issues such as education (SDG 4), health (SDG 3), and poverty reduction (SDG 1).

- 4. **Curriculum Development:** BSU develops new courses or modify existing ones to explicitly address the SDGs. For example, a course on sustainable development could cover topics related to all 17 goals, providing students with a comprehensive understanding of the interconnectedness of global challenges and the importance of sustainable solutions.
- Capacity Building: BSU offers training programs and workshops to build capacity in areas relevant to the SDGs, such as sustainable agriculture (SDG 2), renewable energy (SDG 7), and environmental conservation (SDG 15). This can help prepare students for careers in fields that contribute to sustainable development.

By aligning its curriculum and activities with the SDGs, BSU demonstrates its commitment to addressing global challenges and contributing to a more sustainable future. This approach not only enhances the quality of education and research but also equips students with the knowledge, skills, and values needed to become active agents of positive change in their communities and the world.

"Mapping Baku State University's Academic Contributions to Sustainable

Development Goals: A Course-based Analysis"

SDG 1 - No Poverty:

Primary: 1 courseRelated: 3 courses





SDG 2 - Zero Hunger:

Primary: 1 courseRelated: 0 courses

SDG 3 - Good Health and Well-being:

Primary: 4 coursesRelated: 2 courses

SDG 4 - Quality Education:

Primary: 11 coursesRelated: 16 courses

SDG 5 - Gender Equality:

Primary: 7 coursesRelated: 11 courses

SDG 6 - Clean Water and Sanitation:

Primary: 1 courseRelated: 2 courses

SDG 7 - Affordable and Clean Energy:

Primary: 2 coursesRelated: 1 course

SDG 8 - Decent Work and Economic Growth:

Primary: 3 coursesRelated: 4 courses

SDG 9 - Industry, Innovation, and Infrastructure:

Primary: 4 coursesRelated: 6 courses

SDG 10 - Reduced Inequalities:

Primary: 8 coursesRelated: 12 courses

SDG 11 - Sustainable Cities and Communities:

Primary: 5 coursesRelated: 8 courses





SDG 15 - Life on Land:

Primary: 1 courseRelated: 3 courses

SDG 16 - Peace, Justice, and Strong Institutions:

Primary: 9 coursesRelated: 15 courses

SDG 17 - Partnerships for the Goals:

Primary: 1 course

These numbers demonstrate the distribution of primary and related SDGs across the listed courses, highlighting the emphasis on education (SDG 4), peace and justice (SDG 16), reduced inequalities (SDG 10), and gender equality (SDG 5).

Baku State University's Comprehensive Commitment to Sustainable

Development Goals (SDGs): A Holistic Overview and Contribution Analysis"

Baku State University (BSU) is evidently dedicated to advancing the United Nations Sustainable Development Goals (SDGs) through a variety of initiatives and policies. Below is a summary of BSU's contributions to several SDGs based on the provided information:

SDG 1: No Poverty

BSU prioritizes inclusive education by offering scholarships, financial aid, and support services to economically disadvantaged students, thereby addressing the goal of reducing poverty through education.





SDG 2: Zero Hunger

BSU promotes sustainability in its dining services, including measures to monitor food waste and offer sustainable food options. The university also provides meal vouchers to underprivileged students, contributing to hunger prevention.

SDG 3: Good Health and Well-being

BSU collaborates with various partners to enhance health outcomes and well-being, providing services such as legal assistance, psychological counseling, and comprehensive healthcare. The university enforces a no-smoking policy and ensures safety within dormitories.

SDG 4: Quality Education

BSU offers a range of educational programs, collaborates with academic institutions, and promotes equality and accessibility in education, aligning with the goal of ensuring quality education for all.

SDG 5: Gender Equality

BSU actively supports gender equality through policies, mentorship programs, and initiatives aimed at empowering female students and preventing discrimination and harassment.

SDG 6: Clean Water and Sanitation

BSU implements measures to conserve water resources, treats wastewater for irrigation, and educates the community about water management, contributing to the goal of ensuring clean water and sanitation.





SDG 7: Affordable and Clean Energy

BSU prioritizes clean energy practices, transitions to sustainable heating systems, and emphasizes renewable energy sources, aligning with the goal of ensuring access to affordable, reliable, sustainable, and modern energy for all.

SDG 8: Decent Work and Economic Growth

BSU upholds fair labor practices, supports employee rights, and promotes diversity and inclusion, contributing to the goal of promoting inclusive and sustainable economic growth, employment, and decent work for all.

SDG 9: Industry, Innovation, and Infrastructure

BSU fosters innovation and entrepreneurship through initiatives like the BUILD Limited Liability Company, promoting sustainable development and technological advancement.

SDG 11: Sustainable Cities and Communities

BSU enriches urban environments through education, culture, infrastructure development, and inclusivity, fostering sustainable and vibrant communities.

SDG 12: Responsible Consumption and Production

BSU implements sustainable procurement policies, promotes recycling, and minimizes waste, aligning with the goal of ensuring sustainable consumption and production patterns.

SDG 13: Climate Action

BSU addresses climate change through education, research, and practical measures to reduce greenhouse gas emissions and promote climate resilience.





SDG 14: Life Below Water

BSU undertakes various initiatives to conserve aquatic ecosystems, educate the community, and address issues such as pollution and overfishing, contributing to the goal of conserving and sustainably using marine resources.

SDG 15: Life on Land

BSU promotes conservation and sustainable use of terrestrial ecosystems through education, policies, and community engagement, supporting biodiversity and ecosystem health.

SDG 16: Peace, Justice, and Strong Institutions

BSU fosters inclusive governance, supports student unions, engages with stakeholders, and promotes free exchange of ideas, contributing to peace, justice, and strong institutions.

In summary, Baku State University demonstrates a strong commitment to advancing the SDGs through its diverse range of initiatives, policies, and partnerships, contributing to sustainable development at local, national, and international levels.





Social Work in Various Areas of Life:	
Primary SDG:	Poverty (SDG 1)
Related	No Zero Hunger (SDG 2)
SDGs:	Good Health and Well-being (SDG 3)
	Reduced Inequalities (SDG 10)



Plant P	rotection:
Primary	Zero Hunger (SDG 2)
SDG:	
Related	Life on Land (SDG 15)
SDGs:	Responsible Consumption and
	Production (SDG 12)
	Climate Action (SDG 13)
Food E	ngineering:
Primary	Zero Hunger (SDG 2)
SDG:	
Related	Good Health and Well-being (SDG 3)
SDGs:	Responsible Consumption and
	Production (SDG 12)
	Climate Action (SDG 13)
Soil Sci	ence and Agrochemistry:
Primary	Zero Hunger (SDG 2)
SDG:	
Related	Life on Land (SDG 15)
SDGs:	Clean Water and Sanitation (SDG 6)
	Responsible Consumption and
	Production (SDG 12)







Psychology:		
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Primary SDG:	Good Health and Well-being (SDG 3)	
Related	Quality Education (SDG 4)	
SDGs:	Reduced Inequalities (SDG 10)	
	Gender Equality (SDG 5)	
Biop	hysics:	
Primary SDG:	Good Health and Well-being (SDG 3)	
Related	Quality Education (SDG 4)	
SDGs:	Industry, Innovation, and	
	Infrastructure (SDG 9)	
	Sustainable Cities and Communities	
	(SDG 11)	
Medica	l Psychology:	
Primary SDG:	Good Health and Well-being (SDG 3)	
Related	Quality Education (SDG 4)	
SDGs:	Reduced Inequalities (SDG 10)	
	Gender Equality (SDG 5)	
Clinical	Psychology:	
Primary SDG:	Good Health and Well-being (SDG 3)	
Related	Quality Education (SDG 4)	
SDGs:	Reduced Inequalities (SDG 10)	
	Gender Equality (SDG 5)	
Micr	Microbiology:	
Primary SDG:	Good Health and Well-being (SDG 3)	
Related	Quality Education (SDG 4)	
SDGs:	Industry, Innovation, and	
	Infrastructure (SDG 9)	







	Clean Water and Sanitation (SDG 6)
Orga	nic Chemistry:
Primary SDG:	Good Health and Well-being (SDG 3)
Related SDGs:	Industry, Innovation, and Infrastructure (SDG 9) Sustainable Cities and Communities (SDG 11) Clean Water and Sanitation (SDG 6)

Geology:	
Primary SDG:	Clean Water and Sanitation (SDG 6)
Related SDGs:	Life on Land (SDG 15) Sustainable Cities and Communities (SDG 11) Climate Action (SDG 13)
Hydrogeological Engineering:	
Primary SDG:	Clean Water and Sanitation (SDG 6)
Related SDGs:	Sustainable Cities and Communities (SDG 11) Industry, Innovation, and Infrastructure (SDG 9) Climate Action (SDG 13)
Chen	nical Engineering:
Primary SDG:	Clean Water and Sanitation (SDG 6)
Related SDGs:	Affordable and Clean Energy (SDG 7)
	Industry, Innovation, and Infrastructure (SDG 9)







Responsible Consumption and Production (SDG 12)



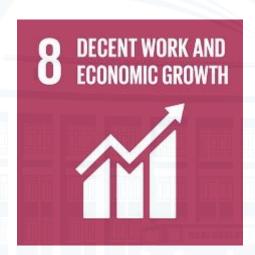
/// F	Physics:	
Primary SDG:	Affordable and Clean Energy (SDG 7)	
Related SDGs:	Climate Action (SDG 13) Quality Education (SDG 4) Industry, Innovation, and Infrastructure (SDG 9)	
Geophysical Engineering:		
Primary SDG:	Affordable and Clean Energy (SDG 7)	
Related SDGs:	Climate Action (SDG 13) Life on Land (SDG 15) Clean Water and Sanitation (SDG 6)	
Engineerin	g Physics:	
Primary SDG:	Affordable and Clean Energy (SDG 7)	
Related SDGs:	Industry, Innovation, and Infrastructure (SDG 9) Climate Action (SDG 13) Quality Education (SDG 4)	

Business Management:	
Primary SDG:	Decent Work and Economic Growth
	(SDG 8)
Related	Industry, Innovation, and Infrastructure
SDGs:	(SDG 9)
	Sustainable Cities and Communities (SDG 11)





	Responsible Consumption and Production (SDG 12)
The World Ed Economy: Finance:	
Primary SDG:	Decent Work and Economic Growth (SDG 8)
Related SDGs:	Industry, Innovation, and Infrastructure (SDG 9) Sustainable Cities and Communities (SDG 11) No Poverty (SDG 1)
Management: Econometrics; Economic Statistics:	
Primary SDG:	Decent Work and Economic Growth (SDG 8)
Related SDGs:	Industry, Innovation, and Infrastructure (SDG 9) Sustainable Cities and Communities (SDG 11) Quality Education (SDG 4)
Interi	national Economic Relations:
Primary SDG:	Decent Work and Economic Growth (SDG 8)
Related SDGs:	Industry, Innovation, and Infrastructure (SDG 9) Reduced Inequalities (SDG 10) Sustainable Cities and Communities (SDG 11)







9 INDUSTRY, INNOVATION AND INFRASTRUCTURE	N

Biotechnology:		
Primary SDG:	Industry, Innovation, and Infrastructure (SDG 9)	
Related SDGs:	Zero Hunger (SDG 2) Good Health and Well-being (SDG 3) Sustainable Cities and Communities (SDG 11)	
Comp	outer Science:	
Primary SDG:	Industry, Innovation, and Infrastructure (SDG 9)	
Related SDGs:	Quality Education (SDG 4) Sustainable Cities and Communities (SDG 11) Decent Work and Economic Growth (SDG 8)	
Mech	anic:	
Primary SDG:	Industry, Innovation, and Infrastructure (SDG 9)	
Related SDGs:	Decent Work and Economic Growth (SDG 8) Sustainable Cities and Communities (SDG 11) Climate Action (SDG 13)	
Minir	Mining Engineering:	
Primary SDG:	Industry, Innovation, and Infrastructure (SDG 9)	
Related SDGs:	Decent Work and Economic Growth (SDG 8) Sustainable Cities and Communities (SDG 11) Climate Action (SDG 13)	
International Trade and Logistics:		





Primary SDG:	Industry, Innovation, and Infrastructure (SDG 9)
Related	Sustainable Cities and Communities (SDG
SDGs:	11)
JDGS.	
IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII	Decent Work and Economic Growth (SDG
	8)
11 69	Responsible Consumption and
	Production (SDG 12)
Nanochemistry and Nanomaterials:	
Primary SDG:	Industry, Innovation, and Infrastructure
1 (6)	(SDG 9)
Related	Good Health and Well-being (SDG 3)
SDGs:	Clean Water and Sanitation (SDG 6)
	Affordable and Clean Energy (SDG 7)
Physics	(Semiconductor Devices and
Microelectroni	cs):
Primary SDG:	Industry, Innovation, and Infrastructure
	(SDG 9)
Related	Affordable and Clean Energy (SDG 7)
SDGs:	Sustainable Cities and Communities (SDG
	11)
	Quality Education (SDG 4)

Anthropology:	
Sociology:	
Primary SDG:	Reduced Inequalities (SDG 10)
Related	Gender Equality (SDG 5)
SDGs:	Quality Education (SDG 4)
	Sustainable Cities and Communities (SDG
	11)
Social Work:	
Primary SDG:	Reduced Inequalities (SDG 10)







Related	Good Health and Well-being (SDG 3)
SDGs:	Quality Education (SDG 4)
	Gender Equality (SDG 5)
Regional Studies:	
Primary SDG:	Reduced Inequalities (SDG 10)
Related	Peace, Justice, and Strong Institutions (SDG
SDGs:	16)
	Quality Education (SDG 4)
	Gender Equality (SDG 5)







	SDGs:	Quality Education (SDG 4)
		Responsible Consumption and Pr
		12)
11 SUSTAINABLE CITIES	To	urism and Hospitality:
AND COMMUNITIES	Primary	Sustainable Cities and Communit
AND COMMONITIES	SDG:	
	Related	Industry, Innovation, and Infrastr
 /	SDGs:	Quality Education (SDG 4)
• A		Responsible Consumption and Pr
		12)
	Cartography:	
	Primary	Sustainable Cities and Communit
	SDG:	
	Related	Climate Action (SDG 13)
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Primary

Related

SDGs:

SDG:

Geomatics and Geodetic Engineering:

Sustainable Cities and Communities (SDG 11)

Responsible Consumption and Production (SDG

Climate Action (SDG 13)

Quality Education (SDG 4)

12)





	NINABLE CITIES COMMUNITIES
A	

Primary	Sustainable Cities and Communities (SDG 11)
SDG:	
Related	Climate Action (SDG 13)
SDGs:	Life on Land (SDG 15)
	Industry, Innovation, and Infrastructure (SDG 9)
La	nd Structure and Real Estate Cadastre:
Primary	Sustainable Cities and Communities (SDG 11)
SDG:	
Related	Gender Equality (SDG 5)
SDGs:	Reduced Inequalities (SDG 10)
	Peace, Justice, and Strong Institutions (SDG 16)
Ge	eography:
Primary	Sustainable Cities and Communities (SDG 11)
SDG:	
Related	Climate Action (SDG 13)
SDGs:	Life on Land (SDG 15)
	Clean Water and Sanitation (SDG 6)
M	anaging Sustainable Development:
Primary SDG:	Sustainable Cities and Communities (SDG 11)
Related	Climate Action (SDG 13)
Ittiated	Chillage Action (3DG 13)
SDGs.	
SDGs:	Responsible Consumption and Production (SDG
SDGs:	Responsible Consumption and Production (SDG 12)
	Responsible Consumption and Production (SDG 12) Quality Education (SDG 4)
Or	Responsible Consumption and Production (SDG 12) Quality Education (SDG 4) ganization of Tourism Business:
	Responsible Consumption and Production (SDG 12) Quality Education (SDG 4)
Or Primary	Responsible Consumption and Production (SDG 12) Quality Education (SDG 4) ganization of Tourism Business:
Or Primary SDG:	Responsible Consumption and Production (SDG 12) Quality Education (SDG 4) ganization of Tourism Business: Sustainable Cities and Communities (SDG 11)
Or Primary SDG: Related	Responsible Consumption and Production (SDG 12) Quality Education (SDG 4) ganization of Tourism Business: Sustainable Cities and Communities (SDG 11) Industry, Innovation, and Infrastructure (SDG 9)
Or Primary SDG: Related	Responsible Consumption and Production (SDG 12) Quality Education (SDG 4) ganization of Tourism Business: Sustainable Cities and Communities (SDG 11) Industry, Innovation, and Infrastructure (SDG 9) Quality Education (SDG 4)
Or Primary SDG: Related SDGs:	Responsible Consumption and Production (SDG 12) Quality Education (SDG 4) rganization of Tourism Business: Sustainable Cities and Communities (SDG 11) Industry, Innovation, and Infrastructure (SDG 9) Quality Education (SDG 4) Responsible Consumption and Production (SDG
Or Primary SDG: Related SDGs:	Responsible Consumption and Production (SDG 12) Quality Education (SDG 4) ganization of Tourism Business: Sustainable Cities and Communities (SDG 11) Industry, Innovation, and Infrastructure (SDG 9) Quality Education (SDG 4) Responsible Consumption and Production (SDG 12)





Related SDGs:	Industry, Innovation, and Infrastructure (SDG 9) Quality Education (SDG 4) Responsible Consumption and Production (SDG 12)
Cartography:	
Primary SDG:	Sustainable Cities and Communities (SDG 11)
Related SDGs:	Climate Action (SDG 13) Life on Land (SDG 15)
	Quality Education (SDG 4)
Economic Geography:	
Primary SDG:	Sustainable Cities and Communities (SDG 11)
Related SDGs:	Industry, Innovation, and Infrastructure (SDG 9) Climate Action (SDG 13) Life on Land (SDG 15)

Chem	istry:
Primary SDG:	Responsible Consumption and
	Production (SDG 12
Related	Good Health and Well-being (SDG 3)
SDGs:	Clean Water and Sanitation (SDG 6)
	Industry, Innovation, and Infrastructure
	(SDG 9)









Hydrometeorology:	
Primary SDG:	Climate Action (SDG 13)
Related	Clean Water and Sanitation (SDG 6)
SDGs:	Life Below Water (SDG 14)
	Sustainable Cities and Communities (SDG
	11)
Geological Engineering:	
Primary SDG:	Climate Action (SDG 13)
Related	Life on Land (SDG 15)
SDGs:	Clean Water and Sanitation (SDG 6)
	Sustainable Cities and Communities (SDG
	11)
Geolo	ogical and Geophysical Engineering:
Primary SDG:	Climate Action (SDG 13)
Related	Life on Land (SDG 15)
SDGs:	Clean Water and Sanitation (SDG 6)
	Sustainable Cities and Communities (SDG
	11)

Aquatic Bioresources and Aquaculture:	
Primary SDG:	Life Below Water (SDG 14)
Related	Zero Hunger (SDG 2)
SDGs:	Decent Work and Economic Growth (SDG 8) Industry, Innovation, and Infrastructure (SDG 9)
Aquatic Bioresources and Aquatic Plants:	
Primary SDG:	Life Below Water (SDG 14)
Related SDGs:	Zero Hunger (SDG 2) Good Health and Well-being (SDG 3)







Sustainable Cities and Communities (SDG 11)



Biology:	
Primary SDG:	Life on Land (SDG 15)
Related	Good Health and Well-being (SDG 3)
SDGs:	Zero Hunger (SDG 2)
	Clean Water and Sanitation (SDG 6)
	Sustainable Cities and Communities (SDG
	11)
Ecology:	
Primary SDG:	Life on Land (SDG 15)
Related	Clean Water and Sanitation (SDG 6)
SDGs:	Sustainable Cities and Communities (SDG
	11)
	Climate Action (SDG 13)
Biodiver	sity and Nature Conservation:
Primary SDG:	Life on Land (SDG 15)
Related	Climate Action (SDG 13)
SDGs:	Sustainable Cities and Communities (SDG
	11)
	Quality Education (SDG 4)

Jurisprudence:

Journalism:

State and Public Relations:

Political Science:

History:

History of Asian and African Peoples:

Ancient and Medieval History of Azerbaijan:

International Law:

International Relations and Diplomacy:





International Journalism: History of Countries: Political Institutions and Systems: Civil Law: Entrepreneurial Law; Family Law; International Private Law:	
General History:	
Primary SDG:	Peace, Justice, and Strong Institutions (SDG 16)
Related SDGs:	Gender Equality (SDG 5) Reduced Inequalities (SDG 10) Quality Education (SDG 4)
Information Security:	
Primary SDG:	Peace, Justice, and Strong Institutions (SDG 16)
Related SDGs:	Industry, Innovation, and Infrastructure (SDG 9) Reduced Inequalities (SDG 10) Sustainable Cities and Communities (SDG 11)
Interi	national Relations:
Primary SDG:	Peace, Justice, and Strong Institutions (SDG 16)
Related SDGs:	Partnerships for the Goals (SDG 17) Quality Education (SDG 4) Gender Equality (SDG 5)
Corre	ctive Training:
Primary SDG:	Peace, Justice, and Strong Institutions (SDG 16)
Related SDGs:	Reduced Inequalities (SDG 10) Quality Education (SDG 4) No Poverty (SDG 1)

