

Evidence(s)
THE Impact Ranking 2025

University	Dawood University of Engineering & Technology (DUET), Karachi
Country	Pakistan
Web address	https://duet.edu.pk/sdgs/
SDG 17.2.2	SDGs education across the curriculum

At DUET, a central policy promotes students as catalysts for positive change, embedding SDG education across the curriculum. The university ensures that SDG principles are integrated into all subjects taught, covering disciplines across engineering, architecture, computing sciences, and more, representing a comprehensive commitment to sustainable development. DUET enhances classroom engagement by connecting academic content with real-world impact, encouraging students to actively participate in extra-curricular activities and projects that apply SDG principles. This holistic approach not only builds awareness but also empowers DUET students to become leaders in sustainability within their communities and future careers. A total of 1151 subjects are mapped to SDGs. Some of the courses are provided below.

Course Code	Name of Subject
PG-1101	Fundamentals of Petroleum Engineering
PG-1102	Introduction to Electrical Engineering
PG-1103	Engineering Drawing
PG-1104	Workshop Practice
PG-2105	Mechanics of Materials
PG-2106	Fluid Mechanics
PG-2107	Unconventional Reservoirs
PG-2201	Petrophysics
PG-2202	Properties of Reservoir Fluids
PG-2203	Drilling Engineering
PG-3204	Reservoir Engineering
PG-3205	Well Logging
PG-3206	Petroleum Production Engineering

PG-4301	Drilling Fluids and Hydraulics
PG-4302	Gas Reservoir Engineering
PG-4303	Well Testing
PG-4304	Well Completions and Integrity
PG-4305	Reservoir Simulation
PG-4306	Natural Gas Engineering
PG-4307	Principles of Enhanced Oil Recovery
PG-4308	Petroleum Economics
IDE-x401	Instrumentation and Process Control
IDE-x402	Applied Thermodynamics
IDE-x403	Petroleum Geology and Geophysical Exploration
IDE-x404	Petroleum Refinery Engineering
IDE-x405	Reservoir Geo-Mechanics
IDE-x406	Application of Data Sciences in Engineering
INE-1101	Engineering Drawing & CAD
INE-1102	Basic Industrial Engineering
INE-1103	Workshop Practice
INE-2104	Materials Engineering
INE-2105	Mechanics of Materials
INE-2106	Metrology & Statistical Quality Control
INE-3107	Operations Research
INE-3108	Work-study & Methods Engineering
INE-3109	Production Planning & Control
INE-4110	Machine Design & CAD/CAM
INE-3201	Lean Manufacturing (Elective-I)
INE-3202	Industrial Maintenance & Safety
INE-3203	Managerial Accounting (Elective-II)
INE-4204	Human Factors Engineering
INE-4205	Entrepreneurship (Elective-III)

INE-4206	Human Resource Development (Elective-IV)
INE-4207	Computer Integrated Manufacturing (Elective-V)
INE-4208	Supply Chain & Logistics (Elective-VI)
INE-4209	Total Quality management (Elective-VII)
INE-4210	Marketing management (Elective-VIII)
INE-1301	Manufacturing Processes
INE-2302	Instrumentation & Control
INE-3303	Operations of Manufacturing Systems
INE-4304	Industrial Facilities Design
INE-4305	Production System Design
IDE-x401	Thermodynamics
IDE-x402	Fluid Mechanics
IDE-x403	Industrial Automation
MME-1101	Introduction to Engineering Materials
MME-1102	Mechanics of Materials
MME-1103	Engineering Drawing and Graphics
MME-1104	Workshop Practice
MME-2105	Materials Thermodynamics
MME-2106	Inspection and Testing of Materials
MME-2107	Physical Metallurgy-I
MME-2108	Mechanical Behaviour of Materials
MME-2109	Smart and Functional Materials
MME-3201	Engineering Ceramics and Glasses
MME-3202	Polymeric Materials
MME-3203	Iron and Steel Making
MME-3204	Non-Ferrous Metallurgy
MME-3205	Manufacturing Processes
MME-3206	Composite Materials
MME-3207	Heat Treatment Processes

MME-3208	Physical Metallurgy-II
MME-3209	Mineral Processing
MME-4301	Foundry Engineering
MME-4302	Corrosion Protection and Prevention
MME-4303	Welding and Joining of Materials
MME-4304	Design, Selection and Characterization of Materials
MME-4305	Advanced Materials and Nanotechnology
MME-4701	Fracture Mechanics and Failure Analysis
MME-4702	Powder Metallurgy
MME-4703	Materials for Aerospace Applications
MME-4704	Materials for Renewable Energy
MME-4705	Vacuum Technology
MME-4707	Nuclear Materials
IDE-x401	Instrumentation & Control
EE-1101	Introduction to Environmental Engineering
EE-1102	Energy Resources & Environment
EE-1103	Engineering Mechanics
EE-1104	Engineering Drawing & CAD
EE-2105	Introduction to Energy System Engineering
EE-2106	Fluid Mechanics
EE-3107	GIS and Remote sensing
EE-2201	Bio Energy Engineering
EE-2202	Fuels and Combustion
EE-2203	Water Supply and Treatment Methods
EE-2204	Energy Conservation and Management
EE-3205	Environmental Laws and Policies
EE-3206	Hydro Power Engineering
EE-3207	Energy Policy and Management
EE-3208	Wastewater Engineering

EE-3209	Solid Waste Management
EE-4210	Air and Noise Pollution Control
EE-4301	Integrated Water Resources Management
EE-4302	Ecological Management
EE-4303	Solar & Wind Energy Technologies
EE-4701	Environmental Impact Assessment
EE-4702	Health Safety & Environment
EE-4703	Cleaner Production Technologies
EE-4704	Climate Change and Disaster Management
EE-4705	Waste Management
EE-4706	Green Energy Technologies
EE-4707	Watershed Management
EE-4708	Marine Pollution and Coastal Management
IDE-x401	Workshop Technology
IDE-x402	Introduction to Engineering Materials
IDE-x403	Engineering Thermodynamics
IDE-x404	Basic Electronics
IDE-x405	Instrumentation and Control
IDE-x406	Power Distribution and Utilization System
IDE-x407	Heat and Mass Transfer
IDE-x408	Thermal Power Systems
IDE-x409	Petroleum and Gas Exploration
IDE-x410	Petroleum Refinery Engineering
EE-4999	Final Year Design Project-I
EE-4999	Final Year Design Project-II
ES-1101	Introduction to Environmental Science
ES-1102	Introduction to Geology
ES-2103	Environmental Physics
ES-2104	Population and Environment

ES-2105	Environmental Microbiology
ES-2106	Environmental Chemistry
ES-2107	Fundamentals of Ecology
ES-2108	Climatology
ES-3109	Analytical Techniques in Environmental Science
ES-3110	Environmental Profile of Pakistan
ES-2201	Environmental Economics
ES-2202	Public Health and Environment
ES-3203	Natural Resource Management
ES-3204	Biodiversity and Conservation
ES-3205	Water & Wastewater Pollution
ES-3206	Environmental Management Systems
ES-3207	GIS & Remote Sensing
ES-3208	Environmental Governance
ES-3209	Climate Change Adaptation & Mitigation
ES-4210	Solid Waste Management
ES-4211	Air & Noise Pollution
ES-4701	Water Resource Management
ES-4702	Occupational Health and Safety
ES-4703	Environmental Impact Assessment
ES-4704	Marine Pollution & Coastal Management
ES-4705	Energy and Environment
ES-4706	Hydrology
ES-4707	Disaster Risk Management
ES-4708	Ecotourism
ES-4709	Project Management
ES-4710	Urban Environmental Management