

Jordan University of Science & Technology

Courses related to sustainability

#	Faculty	Courses Title	Additional evidences/notes
	Engineering	ME 551: Energy and Environment	https://www.just.edu.jo/FacultiesandDepartments/FacultyofEngineering/Pages/Programs.aspx?degree=2
		ME 558: Sustainable Energy Conversion	https://www.just.edu.jo/FacultiesandDepartments/FacultyofEngineering/Pages/viewplan.aspx?planno=496
		ME 536: Renewable Energy Lab	https://www.just.edu.jo/FacultiesandDepartments/FacultyofEngineering/Pages/viewplan.aspx?planno=505
		ME720: Renewable Energy (RE) Systems	
		ME722: Energy Efficiency	
		ME723: CSP – Concentrated Solar Power	
		ME724: Wind Energy	
		ME725: Environment and sustainable development	
		ME726: Economics of Renewable Energy and Energy Efficiency	
		ME727: Energy Regulations	
		ME752: Solar Desalination	
		ME756: Energy Management	
		CE 452 Environmental Engineering I	
		CE 504 Dam Engineering	
		CE 557 Environmental Engineering II	
		CE 552 Water Resources	
		CE 559 Solid and Hazardous Waste Management	
		CE 753 Wastewater Engineering	
		CE 757 Industrial and Hazardous Waste	
		CE 759 Water Resources Engineering	
		CE905 Sustainable Construction	
		Materials and Technology (Ph.D.)	
		CE915 Repair and Rehabilitation of Structures (Ph.D.)	
		ChE 429 Packaging Technology	
		ChE 484 Air Pollution	
		ChE 543 Renewable Energy	
		ChE 566 Desalination	
		ChE 587 Waste Water Treatment	
		ChE 784 Water and Waste Water Treatment	
		EE 532 Renewable Energy	
		IE 551 Lean Production Sys.	
		IT	CIS203 Communication and professional ethics
	NES201 Communication skills		
	SE440 Project Management		
	CS342 Computer Networks		
	CS484 Computer and Network Security		
	CIS441 Business data communication		
	NES311 Data Communication		
	NES441 Wireless Networks		
	Graduation Projects: Such as (Smart home, smart Parking system, smart Renting, E- museum)		
	NES540 Wireless Networking Protocols		
	NES552 Reverse Engineering and Malware Analysis		
	DS440 IoT Data Analytic		
	CS 442 Wireless Networks		
	AI 378 Smart Systems		
	Practical Training		
	Agriculture	Natural Resources and Man	https://www.just.edu.jo/FacultiesandDepartments/FacultyofAgriculture/Departments/NaturalResourcesandEnvironment/Pages/Courses.aspx
		Principles of Soil Science	https://www.just.edu.jo/FacultiesandDepartments/FacultyofAgriculture/Departments/PlantProduction/Pages/Courses.aspx
		Plant Earth Problems & Solutions	
		Introduction to Natural Resources Management	
		Forest Science	
		Rangeland Management	
		Soil Conservation and Land Management	
		Soil Fertility and Fertilizers	
		Soil Reclamation	
		Extension and Transfer of Agricultural Technology	
		Principles of Rural Development	
	Pharmacy	PHMD332: Medicinal Natural Products	
		PHAR334: Pharmacognosy and Phytochemistry	
		PHAR371: Pharmaceutical Biotechnology	
		PHAR372: Pharmaceutical Microbiology and Biotechnology Lab	
		PHAR433: Phytotherapy	
		PHAR464: Public Health and Policy	
		PHAR521: Introduction to Scientific Research	
		PHAR527: Functional Foods and Nutraceuticals	
		PHAR528: Complementary and Alternative Medicine	
		PHAR529: Drug Discovery from Nature	
	PHAR554: Gene Therapy		
	PHAR564: Ethics and Communication Skills		
	Veterinary Medicine	VM 101 Animal Husbandry and Welfare (3H: 2T, 3P)	
		VM 300 Clinical Application and Integration of Basic Veterinary Sciences I (1H: 0T, 2P)	
		VM 400 Clinical Application and Integration of Basic Veterinary Sciences II (1H: 0T, 3P)	
		VM 400 Clinical Application and Integration of Basic Veterinary Sciences II (1H: 0T, 3P)	
		VM 362 Meat Hygiene and Inspection (2H: 2T, 0P)	
		VM 376 Veterinary Infectious and Zoonotic Diseases (3H: 3T, 0P)	
	VM 460 Abattoir and Food Animal Products Inspection (1H: 0T, 3P)		

		VM 473 Production Medicine and Electronic Farming (2H: 1T, 3P)	
		VM 502 Veterinary Practice Management, Economics and Professional Communication (1H: 1T, 0P)	
	AMS	Entrepreneurship and innovation	
		Social Responsibility	
		General Skills	
		Internship in Applied Medical Sciences	
		MSc of radiologic technology (2021) Thesis & comprehensive exam	
		MSc of CLINICAL REHABILITATION SCIENCE (2017) Thesis	
		MSc of PHYSICAL THERAPY (2017) Thesis	
		BSc of Respiratory Therapy (2021)	
	BSc of Anesthesia Technology (2021)		
	Oral and Dental Health Education		
	Wellness and Lifestyle		
	Science & Arts	SUSTAINABLE DEVELOPMENT AND ENVIRONMENT	
		ENTREPRENEURSHIP AND INNOVATION	
		NUCLEAR PHYSICS	
		Solar and Renewable Energy	
		Educational Linguistics	
	Dentistry	Oral Radiology 1	Dental students are also required to take 6 courses related to sustainability offered by other Faculties as part of the University compulsory requirements
		Dental Material	Dental students are also required to take 3 courses as part of the University elective requirements
		Dental Ethics and Jurisprudence	
		Basic Infection Control Measures	
		Preventive Dentistry	
		Research Project	
		Community Dentistry	
	Nursing	Growth & Development	
		Nursing Ethics & Issues	
		Health Informatics	
		Communication & Health Education	
		Human Nutrition	
	Medicine	INTRODUCTION TO RESEARCH AND EVIDENCE BASED MEDICINE	
		EPIDEMIOLOGY AND HEALTH ECONOMICS	
		BIOSTATISTICS AND HEALTH INFORMATICS	
		MEDICAL COMMUNICATIONS SKILLS	
		MEDICAL ETHICS AND FORENSIC MEDICINE	
		RESEARCH AND COMMUNITY MEDICINE	
		RESEARCH AND COMMUNITY MEDICINE (LAB)	
		CLINICAL PSYCHOLOGY	
		RESEARCH PROJECT	
		COMMUNICATION SKILLS IN ARABIC	
		LEADER AND SOCIAL RESPONSIBILITY	
		ENTREPRENEURSHIP AND INNOVATION	
		MILITARY SCIENCES	
		COMMUNICATION SKILLS IN ENGLISH	
		LIFE SKILLS	
		INTRODUCTION TO THE NANOTECHNOLOGY	Medical students are also required to take 3 courses as part of the University elective requirements. 41 courses related to sustainability are offered by other Faculties and the medical student has to pick 3 courses
		INTRODUCTION TO RENEWABLE ENERGY (FOR NON MECHANICAL ENGINEERING STUDENTS)	
		QUALITY CONTROL INFECTION CONTROL AND PATIENT SAFETY	
		ORAL & DENTAL HEALTH	
		FARM ANIMAL PRODUCTS (FOR NON ANIMAL PRODUCTION AND NUTRITION AND FOOD TECHNOLOGY STUDENTS)	
	HOME GARDENS (FOR NON PLANT PRODUCTION AND SOIL AND IRRIGATION STUDENTS)		
	BEEKEEPING (FOR NON PLANT PRODUCTION STUDENTS)		
	NATURAL PLANTS OF JORDAN (FOR NON AGRICULTURE STUDENTS)		
	FOOD PRESERVATION "IN ENGLISH" (FOR NON NUTRITION AND FOOD TECHNOLOGY STUDENTS)		
	NATURAL RESOURCES AND MAN (FOR NON PLANT PRODUCTION AND SOIL AND IRRIGATION STUDENTS)		
	EARTH PROBLEMS AND SOLUTIONS (FOR NON PLANT PRODUCTIONS AND SOIL IRRIGATION STUDENTS)		
	ANIMAL HEALTH (NOT FOR VETERINARY MEDICAL AND AGRICULTURE STUDENTS)		
	PET ANIMAL CARE		
	ANIMAL BEHAVIOUR AND WELFARE		
	ANIMAL PRODUCTS AND PUBLIC HEALTH(FOR NON VETERINARY STUDENTS)		
	APPRECIATION OF LITERARY TEXTS		
	THE PALESTINIAN ISSUE		
	ISLAM AND RECENT PROBLEMS		
	ECONOMIC SYSTEM IN ISLAM		
	PRINCIPLES OF SOCIOLOGY		
	PRINCIPLES OF PSYCHOLOGY		
	EDUCATIONAL TECHNOLOGY		
	DIGITAL SKILLS		
	ISLAMIC CIVILIZATION		
	THE HISTORY OF THE CITY OF JERUSALEM		
	CIVILIZATION AND RECENT CULTURES		
	ISLAMIC CULTURE		
	THE LAW IN OUR LIFE		
	HUMAN RIGHTS		
	ISLAM AND CONTEMPORARY CHALLENGES		
	CONTEMPORARY PROBLEMS		
	SOCIOLOGY (IN ENGLISH)		
	INDIVIDUAL AND SOCIETY		

		INTERNATIONAL GLOBAL ISSUES	
		HISTORY OF SCIENCES IN ISLAM	
		MUSIC TASTING	
		SUSTAINABLE DEVELOPMENT AND ENVIRONMENT	
		WELLNESS AND LIFE STYLES (NOT FOR PHYSICAL & OCCUPATIONAL THERAPY)	
		DISABILITY AND THE SOCIETY(NOT ALLOWED FOR REHABILITATION SCIENCE DEP.STUDENTS)	
		PRINCIPLES IN NUCLEAR ENERGY AND ITS PEACEFUL APPLICATIONS	
		BASIC GERMAN LANGUAGE	
		ARCH711-Design Methods and Strategies	
		ARCH731-Conservation of Historical and Cultural Monuments and Sites	
		ARCH732-Advanced Studies in Regional Architecture	
		ARCH735-Advanced Studies in History of Islamic Architecture	
		ARCH736-Critical Issues in Islamic Architecture	
		ARCH742-Theories Methods of Housing Design	
		ARCH745-Theory and Criticism of Contemporary Urban Design	
		ARCH746-Architectural Theory and Criticism	
		ARCH747-Advanced Studies in Landscape Architecture	
		ARCH751-Architecture and Renewable Energy	
		ARCH752-Building Technology	
		ARCH753-Low Energy Architecture	
		ARCH754-Building Simulation and Experimentation	
		ARCH782-Psychology of Architectural Aesthetics	
		ARCH790-Seminar	
		ARCH152-Building Construction I- Materials	
		ARCH211-Architectural Design I	
		ARCH212-Architectural Design II	
		ARCH231-History of Architecture I	
		ARCH232-History of Architecture II	
		ARCH252-Building Construction II- Systems	
		ARCH3110-Architectural Design III	
		ARCH312-Architectural Design IV	
		ARCH332-Contemporary Architecture	
		ARCH333-Architecture in Islamic Context	
		ARCH341-Landscape Architecture	
		ARCH352-Building Construction III- Finishing	
		ARCH353-Environmental Control Systems I- Temperature and Humidity	
		ARCH372-Architectural Analysis and Programming	
		ARCH411-Architectural Design V	
		ARCH412-Architectural Design VI	
		ARCH432-Local Architecture and Heritage Conservaton	
		ARCH441-Theory of Urban Design	
		ARCH452-Environmental Control Systems II- Illumination ab=nd Acoustics	
		ARCH454-Working Drawings & Integrated Systems	
		ARCH456-Mechanical Systems	
		ARCH481-Human Behavior in Built Environments	
		ARCH541-Planning and Urban Design	
		ARCH572-Project Management	
		ARCH575-Professional Practice	
		ARCH591-Graduation Project I	
		ARCH592-Graduation Project II	
		URP 242-Sustainable development	
		URP 341-Urban sociology and community development	
		URP 352- Urban infrastructure	
		URP 382-Urban economics	
		URP 421-Landscape Architecture I	
		URP 424-Landscape Architecture II	
		URP 432-Planning and management of conservation areas	
		URP 482-Regional Planning	
		URP 541-Housing	
		URP 591-Urban Planning Graduation Project I	
		URP 592-Urban Planning Graduation Project II	
		URP 426-Townscape	
		URP 428-The landscape of parks and greenways	
		URP 581- Micro economics	
		URP 582- Regional planning II	
		DV 212-Visualization and Concept of Storyboarding	
		DV232- Culture awareness and design	
		DV241- computer graphics and Illustration	
		DV261-Inspirational Art for Animation	
		DV322-Media and Interactivity	
		DV332- Design Criticism	
		DV343- Web Design Development	
		DV362- Introduction to computer Games	
		DV372- Cinematography	
		DV374-Intermediate Digital Compositing	
		DV382-Management of Design Projects	
		DV412-Advertising design	

Architecture

	DV421-Web Browser: Structured Programming and Scripting	
	DV432- Media Theory in Broadcast Design	
	DV441- Branding and Corporate Identity	
	DV491- Graduation project I	
	DV492- Graduation Project II	