Graduation projects for the academic year 2024-2025

No.	Supervisor Name	Student Name	Projects Title
1	Assistant Prof. Dr. Samir Mahmoud Ahmed	Hadeer Fayez Abdel Fattah	The use of organic materials for the production of environmentally friendly solar cells.
2	Lecturer Dr. Huda M. Muneer Abdelkader	Ismail Khalil Ismail	"The Global Network for Solar Cells: The Future of Sustainable Energy"
3	Prof. Dr. Abdullah Idris Mustafa	David Fouad Sam	Using Artificial Intelligence and Software to Simulate the Design of High-Efficiency Organic Solar Cells
4	Assistant Prof. Yosra Malallah Abdullah	Patrice Diaa Saeed	Design and Simulation of a Solar Energy System for a Mobile Medical Clinic: An Analytical Study of Performance, Economic Efficiency, and Environmental Impact
5	Lecturer Dr. Israa Mohamed Hassan	Aya Ahmed Fouad	Finding the attenuation coefficients for gamma rays in some materials.
6	Assistant Prof. Alaa Abdelhakim Hamed	Fahd Mohammed Saleh	Quantum sensors

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7	Prof. Dr. Yahya Abdelkarim Salman	Nahal Nemat Suleiman	Comparison between X-ray and scanning electron microscope (SEM)
8	Prof. Dr. Firas Mohamed Ali Fathi	Maryam Abdullah	Determination of uranium and radon concentrations in some types of cigarettes using a nuclear trace detector
9	Lecturer Heba Mohamed Taher Khalil	Saja Nazir	The Role of Physics in Renewable Energy Applications and Sustainability
10	Assistant Prof.Dr. Imad Ahmed Hussein	Iman Mansour Mohammed	Astronomical coordinates and their transformations
11	Assistant Professor Haitham Abdel Hamid Ahmed	Lina Ghazwan	Low-gas plasma and its applications
12	Lecturer Maisam Shihab Ahmed	Asma Khalil Mohammed	Magnetic resonance imaging and its impact on medicine
13	Assistant Prof. Dr. Iyad Jiyad Gerges	Shukran Hassan Mohammed	Studying the effect of temperature on the surface tension of different concentrations of chlorine and water solutions used in the teeth washing process

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14	Prof. Dr.Laith Ahmed Najm	Fatima Yasser Hadi	Using glass samples as gamma ray attenuation materials
15	Lecturer Hala Qidar Mohamed Saleh	Maryam Hazem	Magnetic resonance imaging and its uses in medicine
16	Assistant Prof. Dr. Abdelkhaleq Ayoub Suleiman	Haitham Yousef Mohammed	Preparation of zinc oxide films using chemical spraying method at different ground temperatures and study of their optical properties
17	Lecturer Hala Ibrahim Jassim	Jahan Jamal	Noble Gases and Their Ionization Method
18	Lecturer Farah Nazim Mohamed Ali	Nada Nasr El-Din	Preserving food by radiation
19	Lecturer Dr. Marwa Thamer Mahmoud	Entsar Ibrahim	Electronic Optics and Its Applications
20	Assistant Prof. Dr. Idris Eidan Ghadir	Aya Mazen Hazem	Study of the Optical and Medical Properties (Bacterial Activity) of Silver Nanoparticles Prepared by Laser Ablation Method.
21	Prof. Dr. Laith Mohammed Saadoun Al-Taan	Hussein Ali Mohammed	Preparation of SnSe Semiconductor Films by Spray Method and Study of Their Optical Properties at

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			Different Temperatures.
22	Prof. Dr. Mahmoud Ahmed Hamoud	Nour Ali Ismail	Preparation of the high-temperature superconducting compound Bi2Ba2Ca2CO2Cu3O10+δ and study of the effect of single and double partial substitution of Ag in Bi and Sr in Ba at ratios (Ag x=0, 0.15, 0.25) and (Sr y=0, 0.15, 0.25) on the structural and electrical properties
23	Prof. Dr. Yasser Abduljawad Abdullah	Shaza Salem Khalil	Raman Spectroscopy: An Advanced Tool in Medical Diagnosis and Biological Studies
24	Lecturer Enas Mohammed Younis	Mahja Asaad Tariq	Measurement of Radiation Dose Rate in the Physics Department, College of Science, University of Mosul.
25	Lecturer Arwa Raad Saadallah	Zainab Yousef	Conversion of Nuclear Energy to Clean Energy and Its Applications.
26	Assistant Prof. Mohsen Mohammed Hussein	Manar Mohammed Abbas	Nuclear Radiation Detectors and Their Uses in Studying Environmental Pollution.
27	Lecturer Rana Walid Najm	Mohammed Hazem	Optical Fibers and Their Medical Applications

No.	Supervisor Name	Student Name	Projects Title
		Hussein	
28	Lecturer Mayan Ibrahim Khalil	Omar Suhail	Study and preservation of artifacts using nuclear technology
29	Assistant Prof. Ammar Yassin Barjas	Wafaa Ali Yousef	A theoretical study to identify composite materials and some of their applications
30	Assistant Prof. Dr. Irada Abdulkhaliq Khalil	Iman Ibrahim Al-Habouri	Laser and binoculars
31	Assistant Prof. Dr. Saadoun Hussein Abdullah	Manar Ahmed Salem	Solar system simulation using MATLAB
32	Lecturer Rana Ziad Abdulfattah Al-Falih	Qamar Khazal Hashem	Study of some mechanical properties of PMMA composite
33	Dr. Taha Mustafa Khader	Ghosoun Abdul Muttalib	Finding the air mass of Basra city center
34	Prof. Dr. Mazen Ahmed Abdul	Hala Hammadi	Study of the optical properties of zinc oxide (ZnO) thin films prepared by CBD method