



College of Education for Pure Sciences / Department of Physics
Graduation research projects for the fourth stage of the academic year 2025-2026

Supervisor's Name	Research title	Student's name
Prof. Dr. Ghazwan Ghazi Ali	Study of the optical properties of some transparent carrier oxides	Zahraa Raed Nafeh
Prof. Dr. Ahmed Jawhar Mohammed	The role of artificial intelligence applications in the educational process for students of the College of Education for Pure Sciences	Aya Walid Hussein
Prof. Dr. Mushtaq Abdul Dawood	A practical study of the optical properties of cadmium oxide film	Shifa Muhammad Yasin
Prof. Dr. Yasser Yahya Qassem	nuclear radiation	Ayat Bashar Fawzi
Prof. Dr..RGhid MikhailIbrahim	Erbium–doped fiber laser	Ansam Khazal Nouri
Prof. Dr. Musab SalehMohammed	Studying the change in size of a green laser spot with distance using softwareImage J	Heba Salem Taha
Dr. Marwan Hafeez Younes	Gamma ray applications	Mohammed Suleiman Ahmed
Prof. Dr. Yasser Hussein Mohammed	Growth of gold–catalyzed zinc oxide nanowires	Farah Ahmed Younis
Prof. Dr. Ivan Behnam Kroumi	Quantum dot lasers and their applications	Aya Ahmed Mohamed
Dr. Mu'ayyad Abdullah Ahmad	Measurement of Planck's constant based on effective voltage and light intensity usingLED	Nour Fares Sobhi
Dr. Aziz Mohammed Ali	The level of physical curiosity among fourth–grade female students and its relationship to their achievement in physics.	Aya Anid Sultan
A.Dr. Rabie Behnam Khader	Nuclear detection in terms of accuracy and applications;Device survey	Marwa Hassan Mohamed
Dr. Radwan Muhammad Mustafa	Level of scientific literacy among physics department students in light of certain variables	Mashreq Marwan Elias
A.Dr. Moataz Saleh Hassan	Lenses and their applications	Abdullah Rafed Jamal Al-Din
A.Dr. Ammar Tahseen Zakr	Semiconductor lasers and their applications	Ikhlas Abdel Mahdi
A.Dr. Uday Falah Amin	A theoretical study of the application of soluble optical fibers in the transmission of light energy within biological tissues	Maryam Labib Dureid
Dr. Ali Abbas Mohammed	The effect of temperature on the manufactured Schottky dioden–GaAs	Alaa Ayad Abdullah
Dr. Fathi Mohammed Jassim	The effect of heating and cooling on the properties of semiconductor lasers	Momen Samir Ibrahim
Dr. Younis Dhunoun Younis	Studying the effect of differentiation in single–mode optical fibers on signal processing quality	Zainab Ahmed Samir
Dr. Mohsen Walid Mohammed	Design of a solar–powered ultrasonic insect repellent device	Marwan Naaman Munther