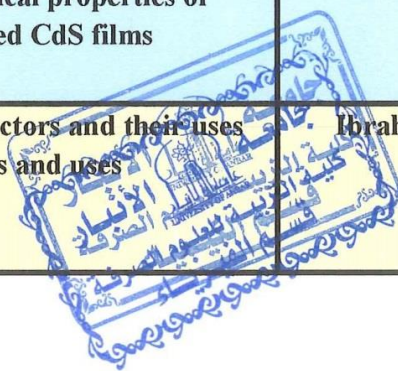


**Distribution of graduation research projects for the fourth stage -  
morning for the academic year 2018-2019**

Student names	Research project name	Supervisor name	No
1. Omaima Hamid 2. Mohammed Riad	1 1-Study of some mechanical properties of polyester reinforced with coconut fibres 2. Fractions: definition, types and applications	Prof.Dr.. Hamed Saleh Abtan	1
1. Huda Muhammad Khalifa 2. Shahd Fares + Shahd Khaled	1-Studying the effect of nanoparticle size on 1 the permeability of some types of coatings in the ultraviolet spectral region 2. Design of nanocoatings for the visible spectral region	Prof.Dr Said Nayef Turki	2
1-Muhammad Ali + Ali 1 Ahmad 2. Majed Adel + Ali Sadiq	1-Electromagnetic waves and their effects on the human bod 2. Studying the effect of communication towers on human health	Dr. Saadi Khalaf	3
1.Nour Zoyan + Sarah 1 Ragheb 2. Najwa Jabbar + Nour Khalifa	1. Industrial applications of laser beams1 2. Laser resonators: types, designs and stability	Dr.. salam khalaf Moses	4
Ali Abdul Razzaq + Mohammed Hamid	Aerosol particle deposition system design	Dr.. Anmar Dirar	5
1.Mason Mazher 2. Fatima Amer Najm	1.Effect of modification in composition on 1 some physical properties and chemical corrosion behavior of shielding alloys 2. Nanotechnology and its applications in the medical field	Dr. Jamal Fadel Muhammad	6
1. Maryam Jamil + Aqeel Khaled 2. Mostafa Kamal + Rokaya Sherif	1. Study of the physical properties of immersion-grafted PbS films 2. Study of the physical properties of immersion-doped CdS films	Dr. Alaa Ahmed Dayeh	7
1. Hadeel Daoud + Zahra Sabah 2. Zainab Hamid Tarif	1. Types of nuclear reactors and their uses 2. Laser types and uses	Ibrahim Jassim	8



1. Muhammad Taha + Lubna Moayed 2. Haitham Nouri + Ahmed Hashem	1-Radon gas and its effect on the environment 2. Radioactive chains and a method for calculating the concentrations of radioactive materials in the soil	Omar Abdulaziz	9
1. Abdul-Jabbar Khattab + Maher Ali 2. Abdelwahab Rasim Farag	1. Study of X-rays and their applications in medicine 2. Study the properties of semiconductor materials and their applications	Rowa assam Muhammad	10
1. Haifa Mohamed + Youssef Walid 2. Balqis Maher + Maryam Nouri	1- Study of the surface hardness and 1 solution absorption properties of (epoxy/ceramic) nanocomposites 2. Theories of electronic conduction in metals	Dr.. Ahmed Hammad Munajid	11
1. Hind Muhammad + Heba Gomaa 2. Kawthar Karim + Sarah Fahem	1. Using the papyrus cane plant to reinforce the unsaturated polyester material 2. Using environmental waste (coconut fiber) to reinforce the polyester material	Dr. Walid Badawi Saleh	12
1. Amer Abdel Hakim + Taha Muhannad 2. Majed Hamid + Ali Karim	1-Study of the nuclear structure of the 1 nuclei (halo) Hala nuclei 2. Nuclear activity and its uses	Dr. Walid Sobhi	13
Abdullah Muthanna + Mustafa Ahmed	Study of the structural properties of ZnO . films	Marwa Abdul Karim	14
Safaa Hussein + Ahmed Hamed	Study of the different types of crystal diodes and their applications	Omar Mehdi Daoud	15
Ahmed Nihad + Hamed Abdul Karim Hamid	Study of the magnetic properties of some compounds containing pyrotechnic elements	Dr. NajmAbdullah	16
1. Abdullah Ismail + Rafid Ahmed 2. Mohamed Amer + Ammar Maher	1. Study of the physical properties of the Hilda family and Jupiter's Trojans 2. Studying the physical properties of Saturn's rings	Fareed Musab Mahdi	17
Ahmed Abdel + Ayman Gamal	properties of nanomaterials	Sherine Mohamed Abd	18
Oaks Khalil + Omar Abd	Studying the nuclear properties of some vibrational nuclei using the GVMI model	Dr. Ali Khalaf Obaid	19

<b>Ahmed Majid Hannoush</b>	<b>Physics curricula, problems and suggested solutions</b>	<b>Dr. Raed Khader</b>	<b>20</b>
<b>Ghufran Muhammad Khalif</b>	<b>Applications of laser beams in communications</b>	<b>Dr. Bilal Kamal Ahmed</b>	<b>21</b>
<b>Mohamed Shaker + Fayyad Hassan</b>	<b>photovoltaic cells</b>	<b>Dr. Jassim Muhammad Abbas</b>	<b>22</b>
<b>Mariam Majid</b>	<b>Study of some mechanical properties of polyester reinforced with palm fibers</b>	<b>Mustafa Zain</b>	<b>23</b>

