



Graduation Projects for the Academic Year 2024–2025

No.	Instructor Name	Project Title	Student Name
1.	Prof. Dr. Raida Dawood Mahmood	Strongly Kasch rings	Alia Ali Sharif
2.	Prof. Dr. Abdulghafoor Jasim Salim	The analytical solution for SDES by using integrate factor	Ikhlas Fathi Mohammed
3.	Prof. Dr. Basim Abbas Hassan	Solving linear fractional programming problems by new hybrid method	1.Amana Salah Hussein 2.Israa Nawfal Qasim
4.	Prof. Dr.Ahmed Mohammed Ali Mohammed Al-Dabbagh	The automorphism gruop of a graph	Mohammed Adel
5.	Prof. Dr.Ekhlass Saadallah Ahmed Al-Rawi	A Comparison of improved numerical methods for solving nonlinear equations	1.Maryam Ali Hassan 2.Taqaa Marwan Ali
6.	Prof. Dr. Maisoon Mal Allah Aziz	Traffic Flow Modeling and Analysis Using Differential Equations to Reduce Congestion	Amal Ahmed Ali
7.	Prof. Dr.Ghada Moayid Rasheed Al-Naemi	Using the cubic interpolation method to determine the minimum value of a unimodal function	1.Intisar Manhal Fathi 2.Hassan Emad Mohammed
8.	Prof. Dr.Husam Qasem Mohammad	Polynomial rings	1.Kawthar Mohammed Abdul 2.Iman Salem Mohammed
9.	Prof. Dr.Hamsa Thrwat Saeed	Solving problems by using conjugate gradient method	1.Tabarak Yasser Nawfal 2.Hanin Omar Abdul Rahman
10.	Prof. Dr.Saad Fawzi Jasim Al-Azzawi	jerk systems	Iman Fathi Mahmoud
11.	Assistant Prof Dr. Thair Younis Thanoon	Concept of fixed point and stability for differential equations	1.Manar Mueid Yahya 2.Noor Raad Abdul Razzaq
12.	Assistant Prof. Zubaida Mohammed Ibraheem	Some smarandache structures on smarandache loops	1.Wessam Sultan Abdullah 2.Abbas Mohammed Mahmoud

13.	Assistant Prof. Khider Mohamed Salih Khider	Comparison between general topology and fuzzy topology	1.Heba Abdul Hakim Abdullah 2.Maryam Ali Hussein
14.	Assistant Prof Dr. Waleed Mohammed Fathi Al-Hayani	The Tarig Transform Method for Solving Volterra Integral Equations	1.Sawsan Saleh Mohammed 2.Tabarak Khaled Aziz
15.	Assistant Prof Dr. Ahmed Farooq Qasim	Solving ordinary differential equations using Natural Transformation	1.Adeeb Eidou Murad 2.Abdullah Hajji Kabo
16.	Assistant Prof Dr. Ahmed Entesar Ghitheeth	Solving integral equations using Shehu transformations	1.Iman Shaker Fakhri 2.Khalida Hussein Rasool
17.	Assistant Prof Dr. Shaimaa Hatim Ahmed	Zero divisors	1.Shurooq Ammar Saleh 2.Sara Basem Asim
18.	Assistant Prof Dr. Mohammed Omar Shaaban Al-Amr	Approximate Solution of Compound Burger-Korteweg-de Vries Equation by Using Variational Iteration Method	1.Abdul Aziz Haitham Ahmed 2.Suhaib Maysar Hassan
19.	Assistant Prof Dr. Barah Mahmood Sulaiman	Special Types of Open Sets in Topological Spaces	Luma Salah Sulaiman
20.	Assistant Prof Dr. Hisham Mohammed Khudhur	Solving Optimazation Functions Using Intelligent Techniques	Hussein Abdul Jalil
21.	Lec.Dr.Rutaina Jassim Essa	Heat transfer and flow inside coupled heat exchanger	1.Inas Mohammed Hussein 2.Bushra Abdul Mohammed
22.	Lec.Dr.Salma Muslih Faris	Introduction in bifurcation theory	Suhbaa Wessam Younis
23.	Lec.Dr.Shua'a M. Aziz	Mathematics and Game Theory	1.Naba Firas Salem 2.Naba Nawfal Ghazi
24.	Lec.Merna Adel Aziz Samarchi	Differential Transformation Method for Solving Higher order Systems of Ordinary Differential Equations	1.Rahma Basem Mohammed 2.Rusl Ammar Thaer
25.	Lec.Hanadi Dawood Saleem	Areas and lengths in Polar Coordinates	1.Haifa Obaidullah Hassan 2.Hind Saad Hashim
26.	Lec.Enaam Ghanim Saeed	Data Hiding in Audio	1.Alaa Ibrahim Saad Al-Din 2.Touba Radwan
27.	Lec.Zena Talal Yaseen Qaseem	Fourier transforms	Munther Abbas Fadhel
28.	Lec.Dr.Susan Hassan Mohammad	Data encryption using Braille	1.Suhbaa Mahmoud Hamed 2.Sara Ammar Shihab
29.	Lec. Shahla Moayad Khalil	Some special ideals	1.Reem Abdullah Eido 2.Ghufran Mohammed Subhi
30.	Lec.Dr.Talal Fadhil Hussein	Fuzzy C-Means clustering	1.Khalil Ibrahim Zaidan 2.Bader Fadhel Mohammed

31.	Lec.Dr.Hind Hussam Al-Deen Mohammed	Solving mathematical equations using Excel	1.Ghufran Raad Mohammed 2.Maria Mazhar Abboud
32.	Lec.Dr.Maha Farman Khalaf	MGP-Rings	1.Hajar Mohammed Saadoun 2.Malak Basman Akram
33.	Lec.Dr.Fatima Mahmood Hasan	Bioinformatics tools for sequences alignments and analysis	1.Mohammed Fares Ibrahim 2.Abdul Aziz Mohammed Hadher
34.	Lec.Dr.Ekram Abdulkader Saleh	Some Totally Continuous Functions in Topological Spaces	1.Mohammed Mansour Sultan 2.Mohammed Hassan Khalil
35.	Lec.Dr.Ahmed Amer Mohammedfawze	Second order differential equations with variable coefficients	1.Nadia Nawaf Ibrahim 2.Naam Asim Arzu
36.	Lec.Dr.Mahasin Thabet Younis	Converting IVP to Volterra Integral Equation	Raya Abdul Jabbar Murabbat
37.	Lec.Dr.Almutasim Abdulmuhsin Hamed Albaker	Solving the fitzhugh-nagumo-equation numerically	Ali Mohammed Kasab
38.	Lec.Dr. Zinah Falih Salih	Study of some models of growth and decay	1.Ayoub Manaa Hamidi 2.Ahmed Maher Saleh
39.	Lec.Dr.Mohammed Sabah Mahmoud	Use of semi-analytical methods in solving partial differential equations	1.Sara Osama Akram 2.Taiba Waad Bashir
40.	Lec.Dr.Aasmaa Salah Aziz Ali	Some operations on graphs	1.Doaa Mohsen Salman 2.Amira Marwan Mazhar
41.	Lec.Aasmaa Salah Aziz Ali	The Basis Number Of Mycielsk's Graph Of Path and Cog-path Graphs	1.Ahmed Mazhar Hassan 2.Mohsen Mohammed Dhiyab
42.	Assistant Lecturer Rajaa Younis Mhoo	Some solutions of ordinary differential equations using numerical methods	1.Omar Younis Hussein 2.Omar Elias Mohammed
43.	Assistant Lecturer Nasmah Jameel Hameed	Comparison between Newton's Method and Quasi-Newton's Method and their use in Solving Unconstrained Optimization Problems	Ahmed Azhar Dhiyab
44.	Assistant Lecturer Areen Abdullah Salih	Soft ideals of semigroups	Saja Jassim Khalaf

رئيس قسم الرياضيات