University Of Mosul
Collage Of Computer science and Mathematics
Department Of Mathematics
Academic Year 2022–2023

Graduation Projects for the Academic Year 2022–2023

No.	Instructor Name	Project Title	Student Name
1.	Prof. Dr. Raida Dawood Mahmood	N-weakly regular rings	Hanin Hani Mohammed Hanin Amer Juma
2.		Generalized GP- rings	Aseel Ahmed Mahou Dana Mohammed Younis
3.	Prof. Dr. Ban Ahmed Hasan Mitras	New conjugancy coefficient for CG method to improve PSO	Iman Qubais Qasim
4.	Prof. Dr. Abdulghafoor Jasim Salim	Complex integral for hyperbolic functions	Noor Mahmoud Hussein Ayah Ahmed Salem
5.		Taylor and Laurent series and residue theorem	Ayah Yahya Abdulmunem Sara Sadi Saud
6.	Prof. Dr. Omar Saber Qasim	Training artificial neural network models using the particle swarm optimization algorithm	Ghayda Hamed Ali Aisha Yasser Mohammed
7.	Prof. Dr. Ahmed Mohammed Ali Mohammed Al-Dabbagh	Parametric equations	Lubna Ghanem Mohammed Safa Ziyad Tariq
8.	Prof. Dr. Maisoon Mal Allah Aziz	Nonlinear differential equations with application	Mohammed Ibrahim Khidr Ghaith Waad Allah Bakr
9.		Discrete Population Models for Single species	Youssef Fares Fadhel Ali Dhanoun Mohammed
10.	Prof. Dr.Ekhlass Saadallah Ahmed Al-Rawi	Hybrid iterative method for solving nonlinear equations in one variable	Sanaa Khairuldeen Abdulqader Rand Laith Abdullah
11.	Assistant Prof Dr. Thair Younis Thanoon	Applications of differential equations in bioscience	Shaimaa Mohammed Sadeeq Araf Mizahim Sabri
		Partial differential equations and some methods to solve	Shahah Youssef Ali Arifan Tayeb Qolo
12.	Assistant Prof. Zubaida Mohammed Ibraheem	Clean Rings	Ghufran Khaled Mahmoud Mohammed Sabah Ramadan

13.	**Assistant Prof Dr. Ahmed Mohammed Jumma**	**The complex form of mathematical transforms**	**Mahdi Hassan Kadhim Ismail Ahmed**
		Boundary value problem –Laplace equation in polar coordinates	**Mohammed Saad Najm Taha Shukr Majid**
		Z-Transform	**Baraa Mohammed Naif**
14.	**Prof. Dr.Hamsa Thrwat Saeed**	**Fibonacci method for solving optimal problem And some of their practical applications**	**Rahma Mahmoud Salem Dhilal Mahmoud Ahmed**
15.		**Finding the optimal solution for linear problems using firefly algorithm**	**Rafal Bashir Ahmed Amasha Hussein Youssef**
16.	**Assistant Prof. Khider Mohamed Salih Khider**	**The importance of differential equations and their applications**	**Zahraa Abbas Jirjis Doaa Abdulkarim Mohammed**
17.		**The matrices and its applications**	**Omar Abdul Sattar Mohammed Hawash Ahmed Khidr**
18.	**Prof. Dr.Husam Qasem Mohammad**	**Commutative Rings of Order p^4**	**Amna Abdullah Ahmed Bidah Ali Mustafa**
19.	**Assistant Prof. Dr. Saad Fawzi Jasim Al-Azzawi**	**The chaotic systems and its control**	**Amna Muwafaq Hadi Fatima Anas Abdullah**
20.	**Assistant Prof Dr. Waleed Mohammed Fathi Al-Hayani**	**The Aboodh Transform Method for Solving Volterra Integral Equations**	**Maryam Ibrahim Khalil Ghufran Mohammed Ghazi**
21.		**The Elzaki Transform Method for Solving Volterra Integro-Differential Equations**	**Nizar Suleiman Ali Aqeel**
22.	**Assistant Prof Dr. Abdulghafor M. Al-Rozbayani**	**Numerical Solution of Volterra Integro-Differential Equation**	**Mahmoud Ouda Abdullah Ismail Mahmoud Khalil**
23.	**Prof. Dr.Ghada Moayid Rasheed Al-Naemi**	**How to test concavity and convexity of functions**	**Najwa Ibrahim Jibreel Sara Hassan Abdul**
24.	**Assistant Prof Dr. Ahmed Farooq Qasim**	**Modified numerical method for solving ordinary differential equations**	**Naba Ahmed Jarallah Amani Waad Abdulmawjood**
25.	**Assistant Prof Dr. Ahmed Entesar Ghitheeth**	**Solving differential equations using Laplace transforms**	**Sandra Zuhair Naimo Dalal Ammar Saadi**
26.	**Assistant Prof Dr. Muna Mohsen Mohammed Ali**	**.Solving linear systems by using computer techniques**	**Mohammed Hameed Sultan Ghaith Omar Taha**
27.		**Modified Dai_Yuan conjugate gradient algorithm**	**Maysar Ghanem Ali Ibrahim Ahmed Mohammed**
28.	**Lec.Dr.Rutaina Jassim Essa**	**Resistance to blood Flow in the narrowed arteries**	**Mustafa Amer Khattab Israa Jassim Mohammed**
		Laplace equation in polar form and how to sove it	**Salam Sabri Rasho Aseel Ahmed Mahou**

29.	**Lec.Dr.Salma Muslih Faris**	**Shwarzian derivatives**	**Maryam Muyad Mahmoud** **Ghufran Safwan Ghanem**
30.	**Lec. Shaimaa Hatim Ahmed**	**generic and non-generic properties**	**Sara Jassim Mohammed** **Ansam Abdulhakim Mohammed**
31.	**Lec.Dr.Shua'a M. Aziz**	**Jacobson radical**	**Ayah Mukhaybar Mahmoud** **Jannat Qusay Sultan**
32.	**Lec.Merna Adel Aziz Samarchi**	**Laplace transform for solving system of Volterra integro – differential equations**	**Marah Qutaiba Omar** **Hadeel Khaled Mohammed**
33.	**Lec.Hanadi Dawood Saleem**	**Generating a multivariate normal random vector**	**Slwan Fuad Abdullah** **Ali Mohsen Ali**
34.	**Lec.Farah Hazem Mohammed**	**Hermetic Matrices**	**Saad Ahmed Awad** **Mohammed Anwar Tahir**
35.	**Lec.Enaam Ghanim Saeed**	**Digital image enhancements**	**Rashd Hashim Faisal** **Mohammed Abdul Ismail**
36.	**Lec.Dr. Susan Hassan Mohammad**	**The proposed Cipher of Mohamed and Omer Encryption of English text by using and Pigpen Cipher**	**Mohammed Ghanem Younis** **Omar Mohsen Abdullah**
		Study of some methods of encryption with matrices and a proposed method of encryption using expressive images(Emojis)	**Rayan Basim Aziz** **Abdulmalik Moatz Mahmoud**
37.	**Lec. Shahla Moayad Khalil**	**S-weakly regular rings**	**Maryam Basim Taha** **Maryam Maamar Ahmed**
38.	**Lec.Dr.Talal Fadhil Hussein**	**Hierarchical clustering by using complete linkage method**	**Shahd Fadhel Hamdid** **Karam Fares Shihab**
39.	**Lec.Dr.Barah Mahmood Sulaiman**	**The Sequences**	**Naba Ali Mohammed** **Khokhi Akram Mustafa**
40.	**Lec.Dr.Maha Farman Khalaf**	**Approximate Solutions of Some Higher Order Partial Differential Equations of KdV-type**	**Amna Yahya Fathi** **Riyam Khaled Taha**
41.	**Lec. Mohammed Omar Shaaban Al-Amr**	**Modeling and analysis of biological sequence for the FOXP2 gen**	**Ayah Abdulbasit Mohammed** **Zaman Mohammed Abdul Ibrahim**
42.	**Lec.Dr.Fatima Mahmood Hasan**	**Numerical methods for solving nonlinear equations**	**Sultan Nabil Lazam** **Amna Fadhel Ali**
43.	**Lec. Dr. Hisham Mohammed Khudhur**	**Numerical methods for solving nonlinear equations**	
44.	**Lec.Dr.Ekram Abdulkader Saleh**	**Nano-Z topological space**	**Anwar Omar Ali** **Saba Abdullah Ali**
		Continuity and some properties of topological space	**Khatam Ezzuldeen Jameel** **Dina Issam Abdulqader**
45.	**Lec.Dr.Ahmed Amer Mohammedfawze**	**solving integral equations using successive approximations**	**Mohammed Samir Yahya** **Rahma Qaidar Saleh**

		Some methods of solving integral equations - Friedholm equation	**Ayah Amer Ghanem** **Mohammed Muwafaq Younis**
46.	**Lec.Dr.Mahasin Thabet Younis**	**Applications of Differential Equations**	**Iman Abdulrazzaq Abdullah** **Amna Fares Ali**
47.	**Lec.Almutasim Abdulmuhsin Hamed Albaker**	**Using Direct Computation Method To solve Fredholm Integral Equation**	**Ghufran Salah Younis** **Sara Salem Ahmed**
48.	**Lec. Abeeraldabagh Ahmed**	**Finding Approximate Solutions Using Numerical Integration Methods**	**Taha Abdul Sattar Taha** **Mustafa Abdul Mohammed**
49.	**Lec.Dr.Raghad Abdulazeez Mustafa**	**Matrices in Graph Theory**	**Batoul Younis Mahmoud** **Mawdah Sobhi Jassim**
50.	**Assist.Lec. Mohammed Sabah Mahmoud**	**Using Laplace transformations to solve differential and integration equations**	**Mohammed Waad Allah Mohammed** **Israa Saad Rashid**
51.		**Using Adomian Decomposition Method to solve differential and integration Equations**	**Rasha Asaad Kamil** **Abdul Salam Jassim Mohammed**
52.	**Assist.Lec.Asmaa Salah Aziz Ali**	**Series and its types**	**Ibrahim Eidou Kajjan** **Diyar Elias Khidr**
53.	**Assist.Lec. Zinah Falih Salih**	Graphic tools to study the relationship between two variables	**Ghufran Nadeem Najeeb** **Ayah Hassan Salem**
54.	**Assist.Lec. Rasha Salla Hasan Abdullah**	**Some Binary Operations in Graph theory**	**Mustafa Farih Abdul** **Ismail Youssef Hassan**
55.	**Assist.Lec. Elaf Sulaiman Khaleel**	**Sequential unconstrained minimization techniques**	**Abdul Salam Sami Fattah** **Shuja Suleiman Kirkuk**
		Find the optimal solution using the bee algorithm	**Rahma Kamal Abdullah** **Sajjad Jalal Abdulameer**
56.	**Assistant Lecturer Rajaa Younis Mhoo**	**Some solutions of ordinary differential equations using numerical methods**	**Rehab Mohammed Balou** **Manar Mahmoud Khalaf**
57.	**Assistant Lecturer Ranen Mate Sulaiman**	**study of Quasi-newton methods for finding the minimum value of problems**	**Taysir Jassim Mohammed** **Ghada Ahmed Hassan**

Prof. Dr. Abdulghafoor Jasim Salim
Head of the Department of Mathematics