



College of Education for Pure Science
Department of Mathematics
 Graduation Projects (2022-2023)

N	Project Title	Supervisor	First Student	Second Student	Third Student
1	Open sets of h-type in topological space	Nadia Adnan Abdulrazaq	Hanan Ahmed	Ali Muhammad	Ismail Ahmed
2	Open groups of alpha cells in topological space	Nadia Adnan Abdulrazaq	Ahmed Najm	Mohammed Abdulaziz	Mostafa Samir
3	Estimating the parameters and reliability of Exponential distribution into two parameters	Dr. Ghanim Mahmood Dhafer	Rayan Ibrahim Falh	Muhammad Shahb Ahmed	Nadeira Farhan Saeed
4	Multivariate Normal Distribution	Dr. Ghanim Mahmood Dhafer	Ebtihal Ghanim Younis	Reham Zedan	Fatema Mustafa Ali
5	Confidence interval of one or more statistical population mean with application	Dr. Ghanim Mahmood Dhafer	Muhammad abdalqader Zanoon	Fadhel Abbas Muhammad	Tawaa Khadim Muhammad
6	The Relationship between Soft Alpha _Open and Soft i_Open Sets	Sabih W Askandar	Sarmad Sadeq	Mustafa Ali	Basee Abdul_Qader
7	The Relationship between Soft Open and Soft ii_Open Sets	Sabih W Askandar	Sara Yaqdhan	Ashjan Mohammed	Omniah Maher
8	The Relationship between Soft Alpha _Open and Soft ii_Open Sets	Sabih W Askandar	Zaineb Rayan	Zaineb Mnhel	Enas Samir
9	Some Properties of Soft ii_Open Sets	Sabih W Askandar	Dalal Thamer	Asaad Jassim	Rouaa Azher

10	APPLICATION OF CODING THEORY IN PG (2,19)	Prof.Dr.Nada Yassen Kasm Yahya	Fathy Yosif Fathy Yosif Al-Rashdy	Muthanna Abdulqader Ali Ibrahim Al-Naseef	Marwan Abdulsalam Salih Mohammed Al-Badrany
11	ON CONSTRUCTION OF CODING THEORY IN PG (2,29)	Prof.Dr.Nada Yassen Kasm Yahya	Muhammad Khalil Mustafa Suleiman Al-Badrani	Mustafa Ghanem Younis Khalil Al-Hialy	Ibrahim Abdullah Habash Ahmed Al-Zubaidi
12	NEW RESULTS OF CODING THEORY IN PG (2,32)	Prof.Dr.Nada Yassen Kasm Yahya	Riyad Younis Ahmed Ameen Al khalidy	Saeed Abdulrahman Rmden Muhammad Aljoborey	Waadallah Ismail Ahmed salih Alhadidy
13	NEW EXAMPLES OF CODING THEORY IN PG (2,16)	Prof.Dr.Nada Yassen Kasm Yahya	Mohammed Khaled Rashid Mohammed Al-Hijazi	Ghazwa Bassam Hazem Amin Al-Hamdani	Nedaa Hashem Salem Ahmed Al-Zaydi
14	Encryption using the Pythagorean concept	Ali A. Alabdali	Aya Nawaf Mahmood	Sura Alaa Abdulghany	Zainab Jamal Hashim
15	Encryption using ADFGVX	Ali A. Alabdali	Aseel Abd Kanan	Rahma Ahmed Daham	Rahma Hashim Ahmed
16	Encryption by linear algebra, matrices of even order as a model	Ali A. Alabdali	Ibrahim Mohammed Salim	Salih Basheer Mohammed Salih	Mohammed Aziz Mohammed
17	Metric Spaces	Pro.Dr. Amir A. Mohammed	Qhtan Mahmood	Faisal khalaf Hsen	Abdihakim abdallah
18	Continuous applications of T mode between topological spaces	Pro.Dr. Amir A. Mohammed	Ali Mehssen	Fadel Hsen	Abdalahman Moner
19	The concept of tensor and its applications in Fluid Mechanics.	Dr. Naseer Sabah Abdullah	Ali Saud Hammoud	Yosef Hafez	Thamer Hamdoun Manahi
20	Differential relations of Fluid Motion	Dr. Naseer Sabah Abdullah	Maha Ammar	Zainab Hani	Faisal Khalaf Hussain

21	The h-open Sets	Marwan Aziz Jardo	Abdullah Ghayib Musa	Ayman Mohsen Muhammad Ghayib	Jawad Thaer Amin Muhammad
22	Integral relations of Fluid Motion	Dr. Naseer Sabah Abdullah	Zamn Saleh Ahmed	Zainab Abdel Moneim Tayes	Siham Muhammad Abdullah
23	The M-open Sets	Marwan Azeez Jardo	Mohamed Abdul Latif Ahmed	Heba Jamal Aziz	Alaa Ahmed Jassim
24	Statistics and decision theory	Dr. Younus Hazim Ismael Al-Taweel	Enas Mohammed Ismael	Reem Waleed Younus	Raneen Amer Adel
25	Study on The Dummy Variables	Dr. Younus Hazim Ismael Al-Taweel	Abdul Rahim Jamil Dahoush	Abdul Rahman Khaled Khudair	Nazir Muhammad Ibrahim
26	Solutions to stochastic differential equations	Ahmed Hassein Mohammad	Muhammad Mahmoud Yunus	Hakm Ali	Sarhan Mahmoud
27	Laurent's theorem for calculating the values of complex functions	Ahmed Hassein Mohammad	Yasser Ammar Abdel Hamza	Mahmoud Saad Daoud	Muhammad Marwan Saeed
28	Solving boundary value problems by using Green function function	Dr.Akram Hassan	Jasim Muhammed	Abdul Rahman Faris	Thiham kataab
29	Solving nonhomogenous boundary value problem by using eigen functions	Dr.Akram Hassan	Raaid Haani	Abdul algalib	Muhammad Ali Hamad
30	Some methods for solving Volterra integral equation	Dr.Akram Hassan	Muhammad Faris	Wathq Mahmood	Mustafa Salim
31	Add columns in e-abacus diagram	Prof. Dr. Ammar Seddiq Mahmood	Nabaa Waleed Abd Almajeed	Lena Ahmed Sady	
32	Convergence between the fixed Mapping and e-abacus diagram	Prof. Dr. Ammar Seddiq Mahmood	Maymona Mujahed Younis	Wjdan Saad Allah Muhammed	Sarah Faisal Ali
33	Inclusion Mapping and e-abacus diagram	Prof Dr Ammar Seddiq Mahmood	Eelaf Yahya Ibrahim	Zahraa Rakan Qasim	May Thaaer Abd
34	Fundamentals of concepts about Laplace transforms	Aseel Muayad Qasim	Mutib Tamy Azawy	Rasha Abd Al rheem Hassan	Asmaa Hassan Ismail

35	Methods for solving linear programming models graphically	Aseel muayad qasim	Lara nabeel gorgees	Buthena Ramadan Mahmood	Shahad Mary hasan
36	On Generalized Leftly e_core Transference	Hanan salim mohammed	Mostafa Emad thanon	Ammar Yasser	Mohanad Madlol
37	On Generalized Leftly e_core transference	Hanan salim mohammed	Mostafa Emad Thanon	Ammar Yasser	Mohanad Naje
38	The wonders of numbers and magic squares	Hanan salim mohammed	Mamdoh Madlol	Abd-Alqader Sultan	Salah Hassan
39	Build a mathematical model for heat transfer	Shaymaa M. Younus	Younis Mohammed Ahmed	Souhaib Hassan Atroush	Shalal Hassan Jassim
40	the trend towards specialization among students of the College of Education for pure sciences..	dr.Enas Younues Mstafa Al Azwo	Aya Nashwan	Rafel Firas	Ghada Abd Youssef
41	Designing conceptual diagrams for mathematics lessons for the third intermediate grade	dr.Enas Younues Mustafa Al Azwo	Youssef Nizar Muhammad	Yunus Muwaffaq Ali	Wissam Mahmoud Muhammad
42	The attitude of students in the second intermediate grade towards mathematics	dr.Enas Younues Mostafa Al Azow	Diaa Abdel-Salem	Yasser Faysal Muhammad Saeed	Khalil Eimad Abdul Aljabbar
43	Factorial Experiments using rhe Completely Randomized Design-with Application	Azhar abdulrazzaq saeed alhasoo	Wesam Hrmass Thlaj	Rawaa Waad Saleh	Sara Mwafaq Ahmad
44	Differentail geometry and thier applications	Tariq hamad abdullah	Muhammed yahya hassan	Haitham younis jassim	Sajid saleh ali
45	Topological and metic spaces and thier applications	Tariq hamad abdullah	Tarq mohammed	Mahmood salh ahmad	Bashir mohmood marai
46	Using Nonlinear Regression in Estimate Trans Sugar in a Particular Chemical Process at Different Temperatures	Azhar abdulrazzaq saeed alhasoo	Noor Shaml Ahmed	Ruwaidah Shaher Suleiman	Elaf Hussein Shafer
47	Z- Transformation	Prof.Dr. Alaa A. Hammodat	Lina Zyad Ahmed	Ragheed Jamal Mohammed	Saja Yahia Asie
48	Study of Stability for Special Matrices	Prof.Dr.Alaa A.Hammodat	Mohyeeldean Noori	Yahia Noorieleen	Marwan Abid Abraheem

49	Method to Fund the Stability of Differential Equation of First Order	Prof.Dr.Alaa A. Hammodat	Mariam Moath	Sundos Hamza	Zainab Bashar
50	Anthologies in Dynamical Systems	Prif.Dr. Alaa A. Hammodat	Fadaa Hameed	Fadia Hani	Meaad Ahmed
51	Z-transformation and its inverse	Hamsa Dawood Saleem	Foaad Ali Mohammad	Sami Sleman Hamed	Methaq Ahmad Mohammad
52	Solving of Differential Equations By Frobenees Method	Hamsa Dawood Saleem	Aaya Mohammad yasin	Saja Adwar Salim	Nora Mohammad Mwafaq
53	α -irresolute mapping in topological space	Ruqayah nafea balo	Nour Jamal Abdul Razzaq	Asma Hussain Ahmed	Raghad Iyad Abdel Ghafour
54	h-semi open sets in topological Space	Ruqayah nafea balo	Moaz Nasser Sultan	Adel Qassem Mohammed	Haitham Abdul Hadi Mukhtar
55	Improving Numerical Solutions for the ordinary differential equation by Using one step Methods	Ghanim Mohammed Salih Abdullah	Alaa Mohammed Tahaa	Juman Nabil	Khadija Atallah Khalaf
56	Topological α -homomorphisms	Ruqayah nafea balo	Nasser Mohamed Abd	Ali Mohamed Fathi	Mahmood Hussein Helal
57	The use of implicit numerical solutions in the study of heat transfer	Ghanim Mohammed Salih	Mohamed Abdel Salam Fadel	Shatha Shamil Ahmed	Laila Kazem Qassem
58	The use of explicit numerical solutions in the study of heat transfer	Ghanim Mohammed Salih	Omar Said Khalil	Anwar Hassan Mohsen	Mohsen Mahmoud Mohsen
59	Solving Volterra-Fredholm equation by using Adomian decomposition method	Dr.Lamiaa Hazim Al-Tae	Mohammad Firas Mahmoud	Nayef Trad Talib	Hussien Ammar Hussien
60	Solving Volterra integral equation by using Laplace transform	Dr.Lamiaa Hazim Al-Tae	Dalal Yaser Mohammad	Haneen Riyadh Mohammad	Dina Bashar Abbas
61	Relation between differential equations and integral equations	Dr.Lamiaa Hazim Al-Tae	Ahmad Mahmoud Ahmad	Zhoor Ayuob Jasim	Saja Mohammad Asmail
62	Homotopy method for solving differential equations	Dr. Junaid Idrees Mustafa	Motaz Abd Alrahman Ahmed	Shahad Mohammed Taher Thamer	Manar Mohammed Khalid Abd Alaziz

63	Solve Ordinary Differential Equations using Maple	Iman Hashim Najm	Khaled Mohammed Thanoun	Ahmed Salem Mohamed	Wissam Ali Ahmed
64	Mathematical applications of the Fibonacci sequence support the Oneness of the Creator	Iman Hashim Najm	Nouf Ibrahim Taha	Sahba Riyad Abdel Ahmed	Nora Faisal Abdel The guider
65	Trace matrix and some of its properties	Dr. Luma Ahmed Khaleel	Muayad Muhammad Hassan	Shahid Ahmed Hussain	
66	Classification of second-order linear partial differential equations to the fundamentally types and study the standard (canonical) forms	Junaid Idrees Mustafa	Kazem Hussein Younes	Barzan Hassan Musleh	Wansa Muhsein Ali
67	Fuzzy matrices and some of their properties	Dr. Luma Ahmed Khaleel	Anfal Khaled Khalaf	Zahraa Qusay	Asmaa Awni
68	Nilpotent of ring	Dr. Luma Ahmed Khaleel	Muhammad Hamid Suleiman	Manawer Mohamed Abdel Ahmed	Musab Farees
69	solving integral equations using the method of successive approximations	Noora Laith Housen	Mohammed Saleh	Ibrahim Saleh	Awad Ali Lates
70	Existence and uniqueness theory of integral equations	Noora Laith Housen	Asmaa Mohammed Abdullah	Shahed Ziyad theeb	Sawsan Mahmood Mohammed
71	Cognitive burden among students of the College of Education for pure sciences	Dr. Hussein Obaid Dahawi	alhakam thanon yuins	kalles ahmed aikob	hussein sheit shmdein
72	Levels of mental stimulation among students of the Department of Mathematics	Dr. Hussein Obaid Dahawi	Salwa Abdel Hafez Khader	Noor Khaled Hussein	Iqbal Abdul Karim Fathi
73	Mental alertness among students of the Department of Mathematics	Dr. Hussein Obaid Dahawi	Haider Firas Muhammad Khairy	Ibrahim Walid Saeed	Abdul Rahman Ammar Friday
74	The extent to which the students of the Mathematics Department possess the mathematical culture	Dr. Hussein Obaid Dahawi	Ramadan Ahmed Mahmoud	Salem Jassim Hindi	Youssef Mohamed Nouri
75	Hypothesis testing	Naglaa Sedek	Thanis saad Hamid	Mostafa naktel	Mostafa khaled mashhad
76	Probability and discrete probability distributions	Naglaa Sedek	Abdul Rahman Abdullah	Mohammad Tariq Mahmoud	Abdullah Mohammad Hassan

77	Using fuzzy logic to classify patterns	Zainab abdulateef Rasheed	Abdul Mohsen Ahmed Suleiman	Maitham Abdul Rahman Hassan	Ziad Dalouf Muhammad
78	Use the varaiton iterative method to solve the integral equations and compare it with the successive method	Amal Jasim Mohammed	Jarjes Amir Jarjes	Ahmed Salim Finish	Omer Khalid Yousif
79	Some properties of the Somodu transform and their applications to ordinary and partial differential equations	Amal Jasim Mohammed	Omra Abd-Alrahman	Riyam Faris Ganim	Fatima Kusay Amad-Aldeen
80	Ramburg method and Gaussian Quadrature to find the value of the integral of functions	Amal Jasim Mohammed	Aya Waad-Alla Husain	Suha Salim Mohammed	Tiba Riyadh Hasan
81	Singular value decomposition SVD	Dr Sohaib Talal Hasan	Mohammed Sinan Nazim	Hamza Ziyad Ahmed	Safaa Duraid Salem
82	Neural networks	Dr Sohaib Talal Hasan	Hassan Tawfiq Yahya	Mustafa Omar Farouq	Yassin Saad Younis
83	Discrete Fourier transform	Dr Sohaib Talal Hasan	Tasneem Firas Fayyad	Yasmine Hazim Ghanim	Razan Radwan Fathi
84	Delay differential equations	Dr Sohaib Talal Hasan	Kawthar Idrees Mohammed	Mustafa Hani Mohammed Ali	Youssif Taha Yassin
85	Sequeuces and seriesin in complex numbers	Taghread Hamdoon Shuker	Nayif Apan Sahab	Zahid Hawas Mijbil	Majeed Garbi Suruo
86	Pressure in static fluids	Taghread Hamdoon Shuker	Abd Alhakem Theab Khalel	Ibrahim khaled fawzy	Koury murad Khalaf
87	Metric Spaces	Pro. Dr. Amir A. Mohammed	Qhtan	Ali	Non
88	ti_open sets	Pro. Dr. Amir A. Mohammed	Mohammed	Ali	Qhtan
89	Solving integral equations using Laplace transform	Dr.Azzam S.Y. Aladool	Hind Waleed Talee	Anwar Shamel Hasan	Baraa Husain Ahmed
90	Solving initial value problems using Matlab	Dr. Azzam S. Y. Aladool	Marwa Marwan Fakry	Misara Abdulla Ayob	Fatima Sabhan Danon
91	solving systems of differential equations using Maple	Dr. Azzam S.Y. Aladool	Radwan Tawfek Mhmood	Nahla Adnan Yaseen	Noor Akram Kalil

92	Solving Partial differential equation using Matlab	Dr. Azzam S. Y. Aladool	Waddah kalaf Mohamed	Ahmed Basheer Ali sheek	Israa Mohamed Abdulla
93	H alfa- open sets in topological spaces	Baedaa suhall abdullah	Taha sultan hashem	Mareim mowafak zanoun	Amal najem mahmoud
94	H alfa- continuous in topological spaces	Baedaa suhall abdullah	Frias iyad abdel razzaq	Zainab muhammad asim	Marwa chassan majed
95	Hi-open sets in topological spaces	Baedaa suhall abdullah	Aya ali	Doaa ali	Doaa abdul hassein