



## College of Education for Pure Science – Department of Mathematics

### Postgraduate Students M.Sc. 2024-2025

| No. | Name                | Type  | Name of Thesis   | Supervisors      |
|-----|---------------------|-------|--|------------------|
| 1.  | Shwan S. Adal Elias | M.Sc. | Improving the Results of the Analytical Method of Homotopy using the Runge Kutta Algorithm for Solving Linear and Nonlinear Ordinary Differential Equations of Fractional Orders and Partial Differential Equations of Fractional Orders | Qais I. Ibraheem |
| 2.  | Zahra 'a D. Dawood  | M.Sc. | Prediction Using Stochastic Gaussian process Model with Application  | Younus H. Ismael |
| 3.  | Ikhlas S. Malala'a  | M.Sc. | Topological properties using the graph   | Amir A. Mohamed  |
| 4.  | Fatima A. Younus    | M.Sc. | An Intelligent Algorithm Based on the Variational Principle to Solve Ordinary Differential Equations   | Azzam S. Younus  |
| 5.  | Faris T. Abdulqader | M.Sc. | The Geometry of the Space of Order $q$ and its Application to Error-Correcting Code  | Nada Y. Qasim    |

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|-----|--------------------|-------|---|--------------------------|
| 6.  | Harith M. Ahmed    | M.Sc. | Application of Coding Theory in PG(n,17)  | Nada Y. Qasim            |
| 7.  | Maryam M. Mohammed | M.Sc. | Numerical Solution of an Electromagnetic Problem in Cartesian Coordinates   | Alaa A. Hammodat         |
| 8.  | Noor H. Ahmed      | M.Sc. | Theoretical analysis for developing an integral transform with using a numerical technique for nonlinear equations.                   | Junaid I. Mustafa        |
| 9.  | Marwa M. Mohammed  | M.Sc. | A new hybrid algorithm for conjugate gradient trinomials  | Basim A. Hasan           |
| 10. | Safa A. Mohammed   | M.Sc. | Application of Partition Theory to Calculate the Chemical Displacement of the Nuclei of the Carbon 13 Atom of Cyclohexane Derivatives | Ammar S.M.<br>Imad A. S. |
| 11. | Muna Y. Abbas      | M.Sc. | On Generalized $\alpha$ ii-Open Sets in Ordinary Topological Spaces   | Sabih W. Askandar        |
| 12. | Shahad KH. Dori    | M.Sc. | Counting Hopf Galois structures of Nonnormal Extensions for Metacyclic Group of Order pqr   | Ali A. Bilal             |
| 13. | Safa. M. Ibrahim   | M.Sc. | Application of Fuzzy Analytical Hierarchy Process and Kriging Technique of the Spatial Stochastic Process                             | Ghanim M. Dhaher         |

## Postgraduate Students M.Sc./ Methods of Teaching Mathematics 2024-2025

| No. | Name              | Type  | Name of Thesis   | Supervisors       |
|-----|-------------------|-------|--|-------------------|
| 1.  | Aya M. Abdulrazaq | M.Sc. | The effectiveness of a teaching strategy supported by evaluative thinking skills on the achievement levels of fourth-grade female students in science and improving their mathematical beliefs             | Enas Y. Mustafa   |
|     |                   |       |  | Nada Y. Qasim     |
| 2.  | Manal M. Ismaeal  | M.Sc. | Employing Plattner's theory in teaching mathematics and its impact on the achievement of second-grade middle school students and the development of their Holistic thinking                                | Enas Y. Mustafa   |
|     |                   |       |  | Amir A. Mohammed  |
| 3.  | Bahaa M. Younus   | M.Sc. | A teaching strategy based on the theory of successful intelligence and its effect on the achievement of second-grade intermediate students in mathematics and the development of their reflective thinking | Asim A. Khalil    |
|     |                   |       |  | Ammar S. Mahmood  |
| 4.  | Karam B. Majeed   | M.Sc. | The impact of the media enrichment strategy on the achievement of second-grade middle school students and the development of their mathematical awareness  | Ahmed O. Owaed    |
|     |                   |       |  | Azzam S. Younus   |
| 5.  | Zainab N. Hajim   | M.Sc. | The Impact of a Proposed Strategy Based on the Standards of Mathematical Practice (CCSSM) in Teaching Mathematics and Its Impact on Achievement and the Development of Skilled Thinking                    | Hussein O. Dahawy |
|     |                   |       |  | Qaia I. Ibraheem  |
| 6.  | Amina H. Salih    | M.Sc. | The effect of a proposed strategy based on 21st century skills on the achievement of mathematics for first-year middle school female students and the development of their                                 | Hussein O. Dahawy |
|     |                   |       |  | Younus H. Ismail  |

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|----|-------------------------|--------------|--|---------------------------|
|    |                         |              | <b>sustainable thinking</b>  |                           |
| 7. | <b>Ghufran Y. Qasim</b> | <b>M.Sc.</b> | <b>Teaching mathematics using the allometric learning model and its effect on acquiring mathematical concepts and developing emotional intelligence among second-grade intermediate female students</b>          | <b>Hussein O. Dahawy</b>  |
|    |                         |              |  | <b>Ali A. Bilal</b>       |
| 8. | <b>Dawood M. Ali</b>    | <b>M.Sc.</b> | <b>Teaching Mathematics according to the Fragmented Knowledge Integration Strategy and its Impact on the Achievement of First- year Middle School Students and the Development of Their Associative Thinking</b> | <b>Suleiman A. Younus</b> |
|    |                         |              |  | <b>Ghanim M. Dhaher</b>   |
| 9. | <b>Musaab I. Khader</b> | <b>M.Sc.</b> | <b>The Effect of a Proposed Strategy Based on Coordinative Thinking Skills on the Achievement of Second Intermediate Grade Students in Mathematics and Their Acquisition of Graphing Skills."</b>                | <b>Suleiman A. Younus</b> |
|    |                         |              |  | <b>Alaa A. Hammodat</b>   |
|    |                         |              |  |                           |