# Jordan University of Science and Technology
## Faculty of Science & Arts
## Mathematics Department

| MATH791 Seminar - JNQF Level: 9 |
|---|
| First Semester 2024-2025 |

| Course Catalog |
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| 1 Credit Hours. This course is a practical course to train students how to write a manuscript, a thesis and to give presentation. |
| **Teaching Method:** Electronic Course |

| Text Book | |
|---|---|
| **Title** | Research Methodology |
| **Author(s)** | S. Rajasekar, P. Philominathan, V. Chinnathambi |
| **Edition** | 3rd Edition |
| **Short Name** | Ref #1 |
| **Other Information** | https://arxiv.org/pdf/physics/0601009 |

**Course References**

| Short name | Book name | Author(s) | Edition | Other Information |
|---|---|---|---|---|
| Ref #2 | LATEX for Beginners Workbook. | Online | 5th Edition | |
| Ref #3 | Mathematical Writing. | Donald E. Knuth،Tracy Larrabee،Paul M. Roberts | 3rd Edition | |

| Instructor | |
|---|---|
| Name | **Prof. Mahmoud Alrefaei** |
| Office Location | D1 Level 0 |
| Office Hours | |
| Email | alrefaei@just.edu.jo |

| Class Schedule & Room |
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| Section 2:<br> Lecture Time: Sun : 18:00 - 19:00<br> Room: منصة الكترونية الحضور متزامن |

| Tentative List of Topics Covered | | |
|---|---|---|
| **Weeks** | **Topic** | **References** |
| Weeks 1, 2, 3 | Introduction: Research methodology; Importance of research; How to find supervisor and how to find a subject. | From **Ref #1** |
| Weeks 4, 5 | Writing a mini proposal. | |
| Weeks 6, 7 | Writing a manuscript. | |
| Weeks 8, 9 | Preparing a presentation. | |
| Week 10 | Presentations practices. | |
| Weeks 11, 12 | Writing a thesis. | |
| Weeks 13, 14 | Final Student Presentations | |

| Mapping of Course Outcomes to Program Outcomes and NQF Outcomes | Course Outcome Weight (Out of 100%) | Assessment method |
|---|---|---|
| Students will be able to use editing aids to write in math type [1SLO5(C4)] [1L9S1, 1L9C4] | 20% | |
| Students will be able to write a manuscript and a thesis. [1SLO6(S2C3)] [1L9S3] | 40% | |
| Students will be able to give a presentation in front of audience. [1SLO4(C3)] [1L9C2] | 40% | |

| Relationship to Program Student Outcomes (Out of 100%) | | | | | |
|---|---|---|---|---|---|
| SLO1(K1S1) | SLO2(S23C1) | SLO3(C24) | SLO4(C3) | SLO5(C4) | SLO6(S2C3) |
| | | | 40 | 20 | 40 |

| Relationship to NQF Outcomes (Out of 100%) | | | |
|---|---|---|---|
| L9S1 | L9C2 | L9C4 | L9S3 |
| 10 | 40 | 10 | 40 |

| Evaluation | |
|---|---|
| **Assessment Tool** | **Weight** |

| Assignments | 50% |
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| Term paper | 20% |
| Final presentation | 30% |

| Policy | |
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| Course Delivery | This course will be completely online. |

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