

**COURSES DETAILS - FALL 2026**  
**07-09-2026 to 10-01-2027**

**MS/PhD Mathematics**

| S.# | Courses                                            | CHs | Instructor                 |
|-----|----------------------------------------------------|-----|----------------------------|
| 1   | MATH-801 Algebra                                   | 3+0 | Dr. Muhammad Ishaq         |
| 2   | MATH-803 Geometry                                  | 3+0 | Dr. Mubasher Jamil         |
| 3   | MATH-805 Computational Mathematics                 | 3+0 | Dr. Mujeeb ur Rehman       |
| 4   | MATH-817 Advanced Functional Analysis              | 3+0 | Dr. Matloob Anwar          |
| 5   | MATH-818 Theory of Ordinary Differential Equations | 3+0 | Dr. Mujeeb ur Rehman       |
| 6   | HU-131 Understanding of Quran-I                    | 0+1 | Dr. Muhammad Nawaz (JSPPL) |
| 7   | RM-898 Research Methodology (A)                    | 2-0 | Dr. Hafiz M. Fahad         |
| 8   | MATH-960 Reading and Research-I (A)                | 3+0 | Dr. Matloob Anwar          |
| 9   | MATH-960 Reading and Research-I (B)                | 3+0 | Dr. Mujeeb ur Rehman       |
| 10  | MATH-960 Reading and Research-I (C)                | 3+0 | Dr. Rizwan Ul Haq          |
| 11  | MATH-960 Reading and Research-I (D)                | 3+0 | Dr. Ahmad Javid            |
| 12  | MATH-960 Reading and Research-I (E)                | 3+0 | Dr. Tahir Mehmood          |
| 13  | MATH-960 Reading and Research-I (F)                | 3+0 | Dr. Hafiz M. Fahad         |
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**MS Statistics with Data Science (Joint Program with SEECS)**

| S.# | Courses                                                   | CHs | Instructor                 |
|-----|-----------------------------------------------------------|-----|----------------------------|
| 1   | STAT-825 Statistical Learning and Artificial Intelligence | 3+0 | Dr. Hayat Ali Shah         |
| 2   | STAT-823 Computational Statistics                         | 3+0 | Dr. Tahir Mehmood          |
| 3   | CS-808 Tools and Techniques for Data Science              | 3+0 | Dr. Fahad Ahmed Satti      |
| 4   | STAT-824 Linear Models and Regression Analysis            | 3+0 | Dr. Firdos Khan            |
| 5   | HU-131 Understanding of Quran-I                           | 0+1 | Dr. Muhammad Nawaz (JSPPL) |
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**MS/PhD Physics**  
**07-09-2026 to 10-01-2027**

| S.# | Courses                                                    | CHs | Instructor                 |
|-----|------------------------------------------------------------|-----|----------------------------|
| 1   | PHY-812 Advanced Mathematical Physics                      | 3+0 | Dr. Tajammal Hussain       |
| 2   | PHY-901 Advanced Quantum Mechanics                         | 3+0 | Dr. Saadi Ishaq            |
| 3   | PHY-814 Advanced Electrodynamics                           | 3+0 | Dr. M. Ali Paracha         |
| 4   | PHY-815 Techniques of Experimental & Computational Physics | 3+0 | Dr. Faheem Amin            |
| 5   | PHY-926 Condensed Matter Physics                           | 3+0 | Dr. Syed Rizwan Hussain    |
| 6   | HU-131 Understanding of Quran-I                            | 0+1 | Dr. Muhammad Nawaz (JSPPL) |
| 7   | RM-898 Research Methodology                                | 2-0 | Dr. Hafiz M. Fahad         |
| 8   | PHY-961 Reading & Research-I (A)                           | 3+0 | Dr. Syed Rizwan Hussain    |
| 9   | PHY-961 Reading & Research-I (B)                           | 3+0 | Dr. M. Ali Paracha         |
| 10  | PHY-961 Reading & Research-I (C)                           | 3+0 | Dr. Noraiz Tahir           |

**MS/PhD Chemistry**  
**07-09-2026 to 10-01-2027**

| S.# | Courses                                         | CHs | Instructor                 |
|-----|-------------------------------------------------|-----|----------------------------|
| 1   | CH-832 Advanced Techniques in Chemistry         | 3+0 | Dr. Siraj Sultan           |
| 2   | CH-801 Organic Chemistry                        | 3+0 | Dr. Muhammad Arfan         |
| 3   | CH-803 Inorganic Chemistry                      | 3+0 | Dr. Muhammad Adil Mansoor  |
| 4   | ENS-820 Environmental Chemistry                 | 3+0 | Dr. Azhar Mahmood          |
| 5   | CH-826 Advanced Colloidal and Surface Chemistry | 3+0 | Dr. Kashif Majeed          |
| 6   | CH-809 Advanced Organometallic Chemistry        | 3+0 | Dr. Shahid Ali Khan        |
| 7   | HU-131 Understanding of Quran-I                 | 0+1 | Dr. Muhammad Nawaz (JSPPL) |
| 8   | CH-910 Reading & Research-I (A)                 | 3+0 | Dr. Syed Shoaib Ahmed Shah |
| 9   | CH-910 Reading & Research-I (B)                 | 3+0 | Dr. M. Kashif Majeed       |
| 10  | CH-910 Reading & Research-I (C)                 | 3+0 | Dr. M. Kashif Majeed       |
| 11  | CH-910 Reading & Research-I (D)                 | 3+0 | Dr. Ghulam Hussain         |
| 12  | CH-915 Reading & Research-II (A)                | 3+0 | Dr. M. Adil Mansoor        |
| 13  | CH-915 Reading & Research-II (B)                | 3+0 | Dr. Azhar Mahmood          |
| 14  | CH-915 Reading & Research-II (C)                | 3+0 | Dr. Fayaz Ali Khan         |

Core