

## Bachelor of Science (BS) in Mathematics

Registration No F18C09U66009  
Student Number 000000034  
Student Name Aimen Hassan  
Father Name Hassan Gul  
CNIC 1430194856762

Session Fall-2018 to Spring-2022  
Admission 01 Sep 2018  
Completion 24 Aug 2022  
Date of Issue 12 Sep 2022  
CMS No 26951

## FALL 2018

|         |                                         |       |      |
|---------|-----------------------------------------|-------|------|
| MAT-102 | Elements of Set Theory and Logic        | 3.00  | C    |
| ENG-103 | English-I (Functional English)          | 3.00  | A    |
| MAT-101 | Calculus-I                              | 3.00  | B    |
| MS-105  | Introduction to Business Administration | 3.00  | A    |
| UR 150  | Islamic Studies                         | 2.00  | A    |
| CS 1024 | Programming Fundamentals                | 4.00  | B    |
| GPA     |                                         | 18.00 | 3.39 |

## FALL 2019

|         |                                                        |       |      |
|---------|--------------------------------------------------------|-------|------|
| MAT-203 | Affine and Euclidean Geometry                          | 3.00  | A+   |
| MAT-204 | Discrete Mathematics                                   | 3.00  | A    |
| MAT-201 | Calculus-III                                           | 3.00  | B    |
| UR 350  | Revealed Sciences-I                                    | 2.00  | A    |
| ENG 203 | English III(Technical writing and Presentation Skills) | 3.00  | C    |
| MAT-202 | Group Theory-I                                         | 3.00  | A    |
| GPA     |                                                        | 17.00 | 3.52 |

## FALL 2020

|         |                                    |       |      |
|---------|------------------------------------|-------|------|
| UR 450  | Revealed Sciences-II               | 2.00  | A    |
| MAT-301 | Real Analysis-II                   | 3.00  | B    |
| MAT-302 | Ordinary Differential Equations-II | 3.00  | B    |
| MAT-303 | Set Topology                       | 3.00  | A    |
| MAT-304 | Mathematical Statistics            | 3.00  | B    |
| MAT-305 | Complex Analysis                   | 3.00  | B    |
| GPA     |                                    | 17.00 | 3.68 |

## FALL 2021

|         |                        |       |      |
|---------|------------------------|-------|------|
| MAT 453 | Operation Research     | 3.00  | A    |
| MAT 455 | Functional Analysis II | 3.00  | A+   |
| MAT-421 | Rings and Fields       | 3.00  | A    |
| MAT 465 | Numerical Analysis     | 3.00  | A    |
| MAT-498 | Project-I              | 3.00  | A    |
| GPA     |                        | 15.00 | 4.00 |

## SPRING 2019

|         |                                     |       |      |
|---------|-------------------------------------|-------|------|
| MAT-151 | Calculus-II                         | 3.00  | B    |
| MAT-152 | Software Packages                   | 3.00  | A+   |
| MAT-153 | Linear Algebra                      | 3.00  | A    |
| ENG-154 | English-II ( Communications Skills) | 3.00  | B    |
| PHY-105 | Physics-I                           | 3.00  | A    |
| UR 250  | Pakistan Studies                    | 2.00  | B    |
| GPA     |                                     | 17.00 | 3.75 |

## SPRING 2020

|          |                                   |       |      |
|----------|-----------------------------------|-------|------|
| FL-254   | Foreign Language                  | 3.00  | A    |
| MAT-251  | Real Analysis-I                   | 3.00  | A    |
| STAT-101 | Introduction to Statistics        | 3.00  | A    |
| MAT-252  | Ordinary Differential Equations-I | 3.00  | B    |
| MAT-253  | Introduction to Mechanics         | 3.00  | A    |
| UR-550   | Professional Ethics               | 2.00  | A    |
| GPA      |                                   | 17.00 | 3.82 |

## SPRING 2021

|         |                                |       |      |
|---------|--------------------------------|-------|------|
| MAT-351 | Functional Analysis-I          | 3.00  | A    |
| MAT-352 | Differential Geometry          | 3.00  | A    |
| MAT-353 | Partial Differential Equations | 3.00  | A    |
| MAT-354 | Analytical Mechanics           | 3.00  | B    |
| MAT-355 | Numerical Methods              | 3.00  | A+   |
| GPA     |                                | 15.00 | 3.82 |

## SPRING 2022

|         |                    |      |      |
|---------|--------------------|------|------|
| MAT 458 | Fluid Mechanics I  | 3.00 | A    |
| MAT 462 | Group Theory II    | 3.00 | A    |
| MAT 452 | Special Functions  | 3.00 | A    |
| MAT 422 | Integral Equations | 3.00 | A    |
| MAT-498 | Project-II         | 3.00 | A    |
| GPA     |                    | 15.0 | 4.00 |

## CGPA

3.74

Attempted Credit Hours

131.00

Earned (completed) credit hours

131.00

Remarks: Degree requirements completed

Repeated courses are indicated with (R). Grade Non Credit Course are indicated with (NC). Non Credit Courses/ Exempted/ Cr transferred not used in calculation of SGPA and CGPA.

Sixteen year of education



Muhammad Adeel

Acting Controller of Examinations

| Course Code | Course Title | C Hrs | Grade |
|-------------|--------------|-------|-------|
|-------------|--------------|-------|-------|

Errors and Omissions exempted 