| NO  | CODE             | NAME OF COURSES                        | CREDIT | SEMESTER |   |   |   |   |              |              |   |  |
|-----|------------------|--|--------|----------|---|---|---|---|--------------|--------------|---|--|
|     |                  |  |        | 1        | 2 | 3 | 4 | 5 | 6            | 7            | 8 |  |
| 5.  | MT508            | Methods in Multivariate Statistics     | 3      |          |   |   |   |   |              | $\checkmark$ |   |  |
| 6.  | MT521            | Analysis of Regression and Correlation | 3      |          |   |   |   |   | $\checkmark$ |              |   |  |
| 7.  | MT524            | Method of Time Series                  | 3      |          |   |   |   |   |              | $\checkmark$ |   |  |
| 8.  | MT530            | Bayesian Theory                        | 3      |          |   |   |   |   |              |              |   |  |
| 9.  | MT532            | Live Times                             | 3      |          |   |   |   |   |              | $\checkmark$ |   |  |
| 10. | MT541            | Non-parametric Statistics              | 3      |          |   |   |   |   | V            |              |   |  |
| NUM | NUMBER OF CREDIT |  | 18     |          |   |   |   | 1 | 12           | 15           | 3 |  |

| NO  | CODE             | NAME OF COURSES               | CREDIT | SEMESTER |   |   |   |   |   |              |   |  |
|-----|------------------|-------------------------------|--------|----------|---|---|---|---|---|--------------|---|--|
|     |                  |                               |        | 1        | 2 | 3 | 4 | 5 | 6 | 7            | 8 |  |
|     | ALGEBR           | A EXPERTISE                   |        |          |   |   |   |   |   |              |   |  |
| 1.  | MT510            | Advanced Linear Algebra       | 3      |          |   |   |   |   |   |              |   |  |
| 2.  | MT511            | Structure of Groups and Rings | 3      |          |   |   |   |   |   | V            |   |  |
| 3.  | MT512            | Operator Algebra              | 3      |          |   |   |   |   |   |              |   |  |
| 4.  | MT525            | Applied Algebra               | 3      |          |   |   |   |   |   | V            |   |  |
| 5.  | MT533            | Modul Theory                  | 3      |          |   |   |   |   |   | $\checkmark$ |   |  |
| 6.  | MT537            | Matrix Algebra                | 3      |          |   |   |   |   |   |              |   |  |
| 7.  | MT538            | Graph Algebra                 | 3      |          |   |   |   |   |   |              |   |  |
| NUM | NUMBER OF CREDIT |                               | 18     |          |   |   |   |   | 3 | 12           | 6 |  |

| NO  | CODE               | NAME OF COURSES                            | CREDIT | SEMESTER |   |   |   |   |              |              |              |  |
|-----|--------------------|--|--------|----------|---|---|---|---|--------------|--------------|--------------|--|
|     |                    |  |        | 1        | 2 | 3 | 4 | 5 | 6            | 7            | 8            |  |
|     | ANALYSIS EXPERTISE |  |        |          |   |   |   |   |              |              |              |  |
| 1.  | MT514              | Advanced Functions of Complex<br>Variables | 3      |          |   |   |   |   |              | V            |              |  |
| 2.  | MT515              | Functional Analysis                        | 3      |          |   |   |   |   |              | $\checkmark$ |              |  |
| 3.  | MT527              | Topology                                   | 3      |          |   |   |   |   | $\checkmark$ |              |              |  |
| 4.  | MT535              | Function Series and Riemann Integral       | 3      |          |   |   |   |   |              | $\checkmark$ |              |  |
| 5.  | MT536              | Theory of Measure and Integral             | 3      |          |   |   |   |   |              |              | $\checkmark$ |  |
| NUM | NUMBER OF CREDIT   |  | 18     |          |   |   |   |   | 3            | 9            | 3            |  |