

| NO   | CODE  | NAME OF COURSES  | CREDIT   | SEMESTER |          |          |          |          |          |          |          |          |          |
|--|-------|--|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
|  |       |  |          | 1        | 2        | 3        | 4        | 5        | 6        | 7        | 8        |          |          |
| <b>3. FACULTY EXPERTISE COURSES (MKKF)</b> |       |  |          |          |          |          |          |          |          |          |          |          |          |
| 1.   | MA100 | Mathematics, Science, Technology and Engineering         | 3        | √        |          |          |          |          |          |          |          |          |          |
| 2.   | MA200 | Applied Mathematics, Science, Technology and Engineering | 3        |          | √        |          |          |          |          |          |          |          |          |
| <b>NUMBER OF CREDIT</b>                    |       |  | <b>6</b> | <b>3</b> | <b>3</b> | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b> |

| NO   | CODE   | NAME OF COURSES                    | CREDIT | SEMESTER |   |   |   |   |   |   |   |  |  |
|--|--------|------------------------------------|--------|----------|---|---|---|---|---|---|---|--|--|
|  |        |                                    |        | 1        | 2 | 3 | 4 | 5 | 6 | 7 | 8 |  |  |
| <b>CORE EXPERTISE COMPETENCY COURSES (MKKPS)</b> |        |                                    |        |          |   |   |   |   |   |   |   |  |  |
| 1.   | MT 300 | Basic Mathematics                  | 3      | √        |   |   |   |   |   |   |   |  |  |
| 2.   | MT301  | Differential Calculus              | 3      | √        |   |   |   |   |   |   |   |  |  |
| 3.   | MT303  | English for Mathematics            | 2      | √        |   |   |   |   |   |   |   |  |  |
| 4.   | MT305  | Number Theory                      | 2      |          | √ |   |   |   |   |   |   |  |  |
| 5.   | MT307  | Integral Calculus                  | 3      |          | √ |   |   |   |   |   |   |  |  |
| 6.   | MT308  | Basic Statistics                   | 3      | √        |   |   |   |   |   |   |   |  |  |
| 7.   | MT309  | Discrete Mathematics               | 3      |          | √ |   |   |   |   |   |   |  |  |
| 8.   | MT311  | Linear Algebra                     | 4      |          | √ |   |   |   |   |   |   |  |  |
| 9.   | MT313  | Algorithm and Programming          | 2      |          |   | √ |   |   |   |   |   |  |  |
| 10.  | MT314  | Data Processing                    | 2      |          |   |   | √ |   |   |   |   |  |  |
| 11.  | MT315  | Multivariable Calculus             | 3      |          |   | √ |   |   |   |   |   |  |  |
| 12.  | MT316  | Geometry                           | 3      |          |   | √ |   |   |   |   |   |  |  |
| 13.  | MT317  | Linear Programming                 | 2      |          |   | √ |   |   |   |   |   |  |  |
| 14.  | MT400  | Group Theory                       | 3      |          |   | √ |   |   |   |   |   |  |  |
| 15.  | MT402  | Ordinary Differential Equations    | 3      |          |   | √ |   |   |   |   |   |  |  |
| 16.  | MT403  | Real Analysis                      | 3      |          |   |   | √ |   |   |   |   |  |  |
| 17.  | MT404  | Theoretical Descriptive Statistics | 3      |          |   | √ |   |   |   |   |   |  |  |
| 18.  | MT405  | Modular Programming                | 2      |          |   |   | √ |   |   |   |   |  |  |
| 19.  | MT406  | Vector Calculus                    | 3      |          |   |   |   | √ |   |   |   |  |  |
| 20.  | MT407  | Ring Theory                        | 3      |          |   |   | √ |   |   |   |   |  |  |
| 21.  | MT408  | Numerical Analysis                 | 3      |          |   |   |   | √ |   |   |   |  |  |
| 22.  | MT409  | Theoretical Inferential Statistics | 3      |          |   |   | √ |   |   |   |   |  |  |