

**Engineering Mathematics  
and Physics Department**



## Engineering Mathematics and Physics Department

### Preparatory Year

### First Semester

| Code         | Course Title   | Weekly Hours |     |     |       | Marks |     |      |       |       | Exam Duration |
|--------------|--|--------------|-----|-----|-------|-------|-----|------|-------|-------|---------------|
|              |  | Lec          | Tut | Lab | Total | Class | Lab | Oral | Final | Total |               |
| MP 011       | Mathematics – 1*                                     | 4            | 2   |     | 6     | 45    |     |      | 105   | 150   | 3             |
| MP 021       | Mechanics – 1 **                                     | 2            | 2   |     | 4     | 30    |     |      | –     | –     | –             |
| MP 031       | Physics – 1*   | 4            | 1   | 1   | 6     | 30    | 20  | 10   | 90    | 150   | 3             |
| MP 041       | Engineering Drawing and geometrical Projection – 1** | 2            | 4   |     | 6     | 60    |     |      | –     | –     | –             |
| CS 021       | Computers and Programming                            | 2            | 1   | 1   | 4     | 20    | 20  |      | 60    | 100   | 2             |
| PE 011       | Production Technology                                | 2            | 1   | 1   | 4     | 20    | 20  |      | 60    | 100   | 2             |
| <b>Total</b> |  | 16           | 11  | 3   | 30    | 205   | 60  | 10   | 315   | 500   |               |

### Preparatory Year

### Second Semester

| Code         | Course Title   | Weekly Hours |     |     |       | Marks |     |      |       |       | Exam Duration |
|--------------|--|--------------|-----|-----|-------|-------|-----|------|-------|-------|---------------|
|              |  | Lec          | Tut | Lab | Total | Class | Lab | Oral | Final | Total |               |
| MP 012       | Mathematics – 2*                                     | 4            | 2   |     | 6     | 45    |     |      | 105   | 150   | 3             |
| MP 022       | Mechanics – 2 **                                     | 2            | 2   |     | 4     | 30    |     |      | 140   | 200   | 3             |
| MP 032       | Physics – 2*   | 4            | 1   | 1   | 6     | 30    | 20  | 10   | 90    | 150   | 3             |
| MP 042       | Engineering Drawing and geometrical Projection – 2** | 2            | 3   | 1   | 6     | 40    | 20  |      | 180   | 300   | 4             |
| CH 011       | Engineering Chemistry                                | 2            | 1   | 1   | 4     | 20    | 20  |      | 60    | 100   | 2             |
| HS 011       | English  | 2            |     |     | 2     | 15    |     |      | 35    | 50    | 2             |
| HS 021       | History of Engineering Sciences                      | 2            |     |     | 2     |       |     |      | 50    | 50    | 2             |
| <b>Total</b> |  | 18           | 9   | 3   | 30    | 180   | 60  | 10   | 660   | 1000  |               |

\* Continuous courses

\*\* Ongoing courses: the class marks of two terms are added and the final exam is held at the end of the second term.