

Department of Mathematics Four Digit Course Numbering

Last Two Digits of Course Numbering:

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| • Core Mathematics of BTech or Special/Core Courses | 01 to 19 |
| • Mathematics | 21 to 49 |
| • Probability, Statistics | 51 to 59 |
| • Finance | 61 to 69 |
| • Computer Science, Data Science | 71 to 89 |
| • Minor Discipline Course | 91 to 92 |
| • Seminar Course | 94 to 95 |
| • Project/Thesis Course | 97 to 99 |

Second Digit of Course Numbering:

- 0 or 9 (if 0 series is exhausted) for Any Semester (Monsoon/ Winter) Full Semester Elective Course
- 1 for Monsoon Semester Full Semester Compulsory Course
- 2 for Winter Semester Full Semester Compulsory Course
- 3 for Monsoon Semester Pre-Mid Semester Half Semester Compulsory Course
- 5 for Monsoon Semester Post-Mid Semester Half Semester Compulsory Course
- 4 for Winter Semester Pre-Mid Semester Half Semester Compulsory Course
- 6 for Winter Semester Post-Mid Semester Half Semester Compulsory Course
- 7 for Any Semester (Monsoon/Winter) Pre-Mid Semester Half Semester Elective Course
- 8 for Any Semester (Monsoon/Winter) Post-Mid Semester Half Semester Elective Course
- 9 for Minor Discipline Courses

Minor programme:

Courses for Minor in Mathematics

- Semester-2: MA1092M Modern Algebra 3-0-0-6
- Semester-3: MA2091M Mathematical Statistics 3-0-0-6
- Semester-4: MA2092M Scientific Computing 3-0-0-6
- Semester-5: MA3091M Real Analysis 3-0-0-6
- Semester-6: MA3092M Differential Geometry 3-0-0-6

For B.Tech. M&C:

First Digit of Course Number for BTech: Year of Study

First Digit for Open Electives of BTech and Exclusive Department Elective for BTech = 4

First Digit for Electives allowed for BTech and PG + PhD = 5

For M.Sc. (M&C, Mathematics) + M.Tech.(DS):

First Digit of Course Number:

- 4 for all Compulsory Courses of MSc
- 5 for all Compulsory Courses of MTech
- 5 for all Elective Courses allowed for B.Tech. as well as M.Sc., M.Tech. and Ph.D.
- 6 for all Elective Courses allowed for M.Sc., M.Tech. and Ph.D. but NOT for B.Tech.

For Ph.D.:

First Digit of Course Number:

- 6 for all Compulsory Courses of PhD

Dated: 13.10.2026

- 6 for all Elective Courses allowed for M.Sc., M.Tech. and Ph.D. but NOT for B.Tech.
- 7 for all Elective Courses allowed only to PhD

Note:

- B.Tech. students are NOT allowed to take courses above Level-5.
- MTech and PhD students are not allowed to take the courses below Level-5.
- Courses of Level-5 or higher will NOT have supplementary exam.
- For a course, exclusion of specific programme, if any, will be mentioned.
- A student will be able to take courses at one level higher than the level s/he is at. Exceptional cases can be permitted by the concerned faculty advisor after thorough scrutiny.

Guidelines for Course Numbering System

1. Every course shall be numbered in Alpha Numeric format as per the following:

<<Div Code>> <<Level Digit>> <<Serial Number>> <<Optional Letter>>

2. Div Code is two-letter code of academic division/interdisciplinary programme (CS, EE, ME, CE, DS, etc.).
3. Level Digit is a single digit number as prescribed below:

Programmes	Levels
Preparatory	0
Undergraduate	1 – First Year, 2 – Second Year, 3 – Third Year, 4 – Fourth Year
MA/MSc	4 and 5
MTech/MDes/MS(R)/MBA	5 and 6
PhD	5, 6 and 7

A student will be able to take courses at one level higher than the level s/he is at. Exceptional cases can be permitted by the concerned faculty advisor after thorough scrutiny.

4. Serial Number is a 3-digit number (001-999).
5. Optional Letter is a single letter indicating certain type of courses. Currently, the following letters are prescribed:

Letter	Type of Course
H	Half-Semester Course
M	Course of Minor Programme
P	Project/Thesis/Seminar Course
L	Lab Course
S	Studio Course
E	Internship/Entrepreneurship

6. The structure of course numbers for Online Degree programmes will be the same as that of regular programmes, except that the division code will be appended with one more letter “O” (e.g., CSO, EEO, MEO, etc.) so that the total length is 7 characters, excluding the Optional Letter.

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