

Department of Mathematics
National Institute of Technology, Kurukshetra

Mid Term Exam-II
(Internal Reappear Examination)
B.Tech. 3rd Semester: CE, EE, ME/ IEM Branches

Course Title: **Subject: Mathematics- III**

Course Code: **MAT 203T (along with MAT 201)**

Examination Date & Time: **To be decided in consultation with the students**

Syllabus

NUMERICAL METHODS WITH PROGRAMMING

1. **Numerical Solution of Algebraic and Transcendental Equations:**
Bisection, Regula-Falsi and Newton Raphson methods with convergence
2. **Solution of Linear Simultaneous Equations:**
Jacobi's iteration method, Gauss-Seidel iteration method, Relaxation method
3. **Numerical Solution of Ordinary Differential Equations:**
Picard's method, Euler's method, Modified Euler's Method, Runge-Kutta method of order four, Milne's predictor-corrector method, Adams-Bashforth method


(Course Coordinator)


HOD (Mathematics)

Note: The students having re-appear in the above course, may contact to **Dr. Paras Ram** on his e-mail: parasram123@nitkkr.ac.in