

Haldia Institute of Technology

LECTURE PLAN/LESSON PLAN

Serving Department: Applied Science

Batch(s):

Semester: 3rd & 4th

Session: 2016-2017

Paper Name: Numerical Methods Lab

Paper Code: M(CS)391 & M(CS)491

Alloted Hour(s): 24

Actual Hour(s): 24

Name of the Teacher: Dr. D. K. Jana

Sl. No.	Date	Topics (As per University Syllabus)	Hours	Remarks/Books
1 st class		Newton's Forward Interpolation	2	Programming ANSI C by Balaguruswamy, C.Xavier: C Language and Numerical Methods,
2 nd class		Newton's Backward Interpolation	2	
3 rd class		Lagrange's Interpolation	2	
4 th class		Trapezoidal Rule & Simpson's 1/3 Rule	2	
5 th class		Weddle's Rule	2	
6 th class		Gauss Elimination	2	
7 th class		Gauss- Seidel Method	2	
8 th class		Regula-Falsi Method & Newton-Raphson Method	2	
9 th class1		Eulers' & Runge-Kutta(4 th order) Methods	2	
10 th class		Introduction: Matlab/Scilab / Mathematica	2	
Sl. No.	Date	Topics (Beyond Syllabus)	Hours	Remarks/Books
11 th		Bisection Method, Taylor series	2	

class		Method		
12 th class		Euler Modified Method ,Gauss Jacobi's Method	2	
		Total : 24		