MTH 312- Tentative Weekly Schedule: Fall 23

Week	Session	Topic to be covered
1	Wk1-1	3.1 Theory of Linear Equations,
		3.2 Reduction of Order
Sept. 04-09	Wk1-2	3.3 Homogeneous LDE with constant coefficient
2	Wk2-1	3.4 Undetermined Coefficients, superposition
Sept 11-16	Wk2-2	3.5 Variation of Parameters
3	Wk3-1	4.1 Definition of Laplace Transform
Sept 18-23	Wk3-2	4.2 The inverse Transform & transform of Derivatives
4	Wk4-1	4.3 Translation Theorems
Sept 25-30	Wk4-2	4.4 Additional operational properties
5	Wk5-1	4.4 Additional Properties- Review
Oct 02-07	Wk5-2	3.12 Solving system of linear equations
6	Wk6-1	4.6 System of LDE- Laplace transform method
Oct 09-14	Wk6-2	12.1 Orthogonal Functions
7	Wk7-1	12.2 Fourier seies
Oct 16-21	Wk7-2	12.3 Fourier Cosine and Sine Series
8	Wk8-1	9.1 Vector Functions, 9.5 Directional Derivatives
Oct 23-28	Wk8-2	9.6 Tangent planes and normal lines
9	Wk9-1	9.7 Curl and Divergence
Oct 30-Nov 04	Wk9-2	9.8 Line Integrals
10	Wk10-1	9.9 Independence of the path
Nov 06-11	Wk10-2	9.10 Double Integrals
11	Wk11-1	9.11 Double Integrals in Polar coordinates
Nov 13-18	Wk11-2	9.12 Green's Theorem
12	Wk12-1	9.13 Surface Integrals
Nov 20-25	Wk12-2	9.14 Stoke's Theorem
13	Wk13-1	9.15 Triple Integrals
Nov 27-Dec 02	Wk13-2	9.16 Divergence Theorem