Tentative: Schedule
ME 563: Mechanical Vibrations

Lecture	Date		Topic	
1	8/25/25	M	Introduction	**Equations of Motion**
2	8/27/25	W	Newton-Euler	
3	8/29/25	F	System Parameters/Power Method	
4	9/1/25	M	Labor Day	
5	9/3/25	W	Power Method/ Lagrange Method 1	
6	9/5/25	F	Lagrange Method 2	
7	9/8/25	M	Lagrange Method 3	
8	9/10/25	W	Calculating Generalized Coordinates and Forces	
9	9/12/25	F	Calculating Generalized Coordinates and Forces	
10	9/15/25	M	Linearization 1	
11	9/17/25	W	Linearization 2	
12	9/19/25	F	Continous Systems 1	
13	9/22/25	M	Continous Systems 2	
14	9/24/25	W	Single DOF System Analysis (Undamped)	**Free Response**
15	9/26/25	F	Single DOF System Analysis (Damped)	
16	9/29/25	M	Single DOF System Analysis Numerical Simulation	
17	10/1/25	W	MDOF System Analysis (Undamped)	
18	10/3/25	F	MDOF System Analysis (Damped)	
19	10/6/25	M	**MIDTERM EXAM**	
20	10/8/25	W	MDOF System Analysis (Undamped) Numerical	
21	10/10/25	F	Modal Analysis 1	
22	10/13/25	M	Fall Breat	
23	10/15/25	W	Modal Analysis 2	
24	10/17/25	F	MDOF System Analysis (Damped Proportional and Nonproportional)	
25	10/20/25	M	Continuous Systems Seperation of Variables 2	
26	10/22/25	W	Continuous Systems Seperation of Variables 3	
27	10/24/25	F	Continuous Systems Seperation of Variables 4	
28	10/27/25	M	Eigenvalue Analysis Continuous Systems	
29	10/29/25	W	Forced Response Discrete Systems 1	**Forced Response**
30	10/31/25	F	Forced Response Discrete Systems 2	
31	11/3/25	M	Forced Response Discrete Systems 3	
32	11/5/25	W	Forced Response Discrete Systems 4	
33	11/7/25	F	Forced Response Continuous Systems	
34	11/10/25	M	Forced Response Continuous Systems	
35	11/12/25	W	Approximate Methods 1	
36	11/14/25	F	Approximate Methods 2	
37	11/17/25	M	Approximate Methods 3	
38	11/19/25	W	Approximate Methods 4	
39	11/21/25	F	**MIDTERM EXAM**	
40	11/24/25	M	Approximate Methods 4	
	11/26/25	W	**Thanksgiving Holiday**	
	11/28/25	F		
41	12/1/25	M	Case Studies	
42	12/3/25	W	Case Studies	
43	12/5/25	F	Review	