

ME 478 Course Schedule

	Day	Room	Book Readings	Lecture/Lab Topic	Assign	Due
Week 1	28-Mar M	Loew 216	Ch 2.1-5	Course Overview & Direct Formulation		
	29-Mar T	Loew 216	Ch 2.1-5	Direct Formulation	Hw1	
	30-Mar W	Loew 216	--	TUTORIAL: Matlab		
	1-Apr F	MEB 231	--	LAB 1: Truss Problem	Project 1	
Week 2	4-Apr M	Loew 216	Ch 3.1-6	Trusses		
	5-Apr T	Loew 216	Ch 3.1-6	Trusses	Hw2	
	6-Apr W	Loew 216	Ch 2.6, Ch 3.10	Minimum Potential Energy		Hw 1
	8-Apr F	MEB 231	--	LAB 2: Beam/Frame Problem		
Week 3	11-Apr M	Loew 216	Ch 2.6, Ch 3.10	Minimum Potential Energy		
	12-Apr T	Loew 216	Ch 3.10	Bars & Columns	Hw3	
	13-Apr W	Loew 216	Ch 4.1, 4.7	Beams		Hw2
	15-Apr F	MEB 231	--	LAB 3: Plane Stress Problem		Project 1
Week 4	18-Apr M	Loew 216	Ch 5.1-2	Frames		
	19-Apr T	Loew 216	Ch 6.1-3	Plane Stress	Hw4	
	20-Apr W	Loew 216	Ch 6.1-3	Plane Stress		Hw3
	22-Apr F	MEB 231	--	Lab 4: Axisymmetric Problem (<i>Discovery Days</i>)	Project 2	
Week 5	25-Apr M	Loew 216	Ch 6.1-3	Plane Stress		
	26-Apr T	Loew 216	Ch 9.1-3	Axisymmetric Problems	Hw5	
	27-Apr W	Loew 216	Ch 9.1-3	Axisymmetric Problems		Hw4
	29-Apr F	Loew 216	--	Midterm Exam		
Week 6	2-May M	Loew 216	Ch 10.1-3	Isoparametric Formulation		
	3-May T	Loew 216	Ch 10.1-3	Isoparametric Formulation	Hw6	
	4-May W	Loew 216	Ch 11.1-2	3D Stress Analysis		Hw5
	6-May F	MEB 231	--	LAB 5: 3D Stress Problem		Project 2
Week 7	9-May M	Loew 216	Ch 11.1-2	3D Stress Analysis		
	10-May T	Loew 216	Ch 11.1-2	3D Stress Analysis	Hw7	
	11-May W	Loew 216	--	Guest Lecture - John Vandeventer		Hw6
	13-May F	MEB 231	--	LAB 6: Thermal Problem	Project 3	
Week 8	16-May M	Loew 216	Ch 13.1-5	Heat Transfer		
	17-May T	Loew 216	Ch 13.1-5	Heat Transfer	Hw8	
	18-May W	Loew 216	Ch 13.1-5	Heat Transfer		Hw7
	20-May F	MEB 231	--	LAB 7: Vibration Problem		
Week 9	23-May M	--	Ch 16.1-2, 4, 6-7	Vibrational Analysis		
	24-May T	Loew 216	Ch 16.1-2, 4, 6-7	Vibrational Analysis	Hw9	
	25-May W	Loew 216	Ch 16.1-2, 4, 6-7	Vibrational Analysis		Hw8
	27-May F	MEB 231	--	LAB 8: ABAQUS Tutorial		Project 3
Week 10	30-May M	Loew 216		<i>No Class (Memorial Day)</i>		
	31-May T	Loew 216		Guest Lecture		
	1-Jun W	Loew 216		Review		Hw9
	3-Jun F	MEB 231		LAB 9: ABAQUS Tutorial		
Final	6-Jun M	Loew 216		Final Exam (8:30-10:30am)		