

ME 231 Kinematics of Machinery

Text: Robert L. Norton *Design of Machinery* McGraw-Hill, 3rd ed., ISBN 0-07-286447-8

Sessions	Topics	Reading	
1-2	Introduction Degree of Freedom Grashof's Rule	Ch.1 pp.3-23 Ch.2 pp.24-85	2/ 15,18,20,22,32,39
3-4	Displacement Analysis	Ch.4 pp.162-209	4/ 2,6,7,9,10,11,12
5-8	Linkage Synthesis	Ch.5 pp.210-264	5/ 8,12,16,21,27
9	Examination		
10-12	Velocity Analysis	Ch.6 pp.265-327	6/ 4,5,6,7,8,9,16,18
13-15	Acceleration Analysis	Ch.7 pp.328-376	7/ 3,4,5,6,7,8,15
16-20	Cam Design	Ch.8 pp.377-461	8/ 5,7,8,10,12,13,18
21	Examination		
22-24	Spur Gears	Ch.9 pp.462-483	9/ 1,5,6,10,14,29
25-27	Gear Trains	Ch.9 pp.483-522	9/5,26,27,36,37,40,57
28	Examination		

NOTE: ME 231 will use the **4th edition** (ISBN #007329098X) of the Norton text starting **07F** semester.