

# ME 231

## Kinematics of Machinery

**Text:** Robert L. Norton *Design of Machinery* McGraw-Hill, 4th ed.,  
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Sessions	Topics	Reading	
1-2	Introduction Degree of Freedom Grashof's Rule	Ch.1 pp.3-23, 26-29, Ch.2 pp.30-95	2-15,18,20,22,32,39
3-4	Displacement Analysis	Ch.4 pp.174-221	4-2,7,10,12
5-8	Linkage Synthesis	Ch.5 pp.222-278	5-8,12,16,21,27
9	Examination		
10-12	Velocity Analysis	Ch.6 pp.279-341	6-5,7,8,16c,18c
13-15	Acceleration Analysis	Ch.7 pp.342-390	7-4,6,7,8,15b
16-20	Cam Design	Ch.8 pp.391-461	8-7,8,10,12,13,18
21	Examination		
22-24	Spur Gears	Ch.9 pp.462-493	9-1,3,4,5
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