# LECTURE SCHEDULE
## ME 231 ~ Dynamics

| Month | | Monday | | Wednesday | | Friday |
|---|---|---|---|---|---|---|
| August | 13 | | 15 | | 17 | |
| | 20 | | 22 | Overview & Intro.<br>1.1 – 1.3 | 24 | Rectilin. Motion<br>2.1 – 2.2 |
| | 27 | Curvilin. Motion<br>2.3 – 2.4 | 29 | Normal, Tangential<br>2.5 | 31 | Polar<br>2.6 |
| September | | | | | | |
| | 3 | **Labor Day<br>(no class)** | 5 | Space Motion<br>2.8 | 7 | Relative Motion<br>2.7 |
| | 10 | Constrained Motion<br>2.7 | 12 | Rotation<br>6.1 | 14 | Absolute Motion<br>6.1 |
| | 17 | Relative Velocity<br>6.2 | 19 | Instant Center<br>6.2 | 21 | Relative Accel.<br>6.3 |
| | 24 | Relative Accel.<br>6.3 | 26 | Rotating Axes<br>6.4 | 28 | Rotating Axes<br>6.4 |
| October | 1 | Kinematics Review<br>(Ch. 1, 2, & 6) | 3 | **Exam 1<br>(Ch. 1, 2, & 6)** | 5 | Newton's 2nd Law<br>3.1 |
| | 8 | Eqs. of Motion<br>3.1 | 10 | Rectilin. Motion<br>3.1 | 12 | **Fall Break<br>(no class)** |
| | 15 | Curvilin. Motion<br>3.2 | 17 | Curvilin. Motion<br>3.2 | 19 | Gen. Eqs. of Mot.<br>7.1 – 7.2 |
| | 22 | Fixed-Axis Rotation<br>7.3 | 24 | Gen. Plane Motion<br>7.4 | 26 | Gen. Plane Motion<br>7.4 |
| | 29 | Lin. Imp. & Mom.<br>5.1 – 5.2 | 31 | Ang. Imp. & Mom.<br>5.3 | | |
| November | | | | | 2 | Ang. Imp. & Mom.<br>5.3 |
| | 5 | Imp.-Mom.<br>8.2 | 7 | Cons. Mom.<br>5.1 | 9 | Imp.-Mom. Eqs.<br>8.2 – 8.3 |
| | 12 | Imp.-Mom. Eqs.<br>8.3 | 14 | Kinetics Review<br>(Ch. 3, 5, 7, & 8) | 16 | **Exam 2<br>(Ch. 3, 5, 7, & 8)** |
| | 19 | Work & Energy<br>4.1 | 21 | **Thanksgiving<br>(no class)** | 23 | **Thanksgiving<br>(no class)** |
| | 26 | Potential Energy<br>4.2 | 28 | Work-Energy<br>4.3 | 30 | Work-Energy Rel.<br>8.1 |
| December | 3 | Final Review<br>(Ch. 1 – 8) | 5 | | 7 | |
| | 10 | **Final Exam** | 12 | | 14 | |

*Revised as of October 22, 2012*