**Course Schedule- MECH 2333- Strength of Materials II**

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| **Week/Lecture** | **Course Topics** | **Assignment** |
| Week 1 | Review –Analysis of Structure | Quiz#1 |
| Week 2 | Review- Area moment of Inertia | Quiz #2, HW#1 |
| Week 3,4 | Shear and Bending Moment in beams | Quiz #3 |
| Week 5,6 | Bending and shear stresses in beams | Quiz #4 HW#2 |
| Week 7 | Beam Design | Project Work 1Discussion board |
| Week 8 |  | Test 1, Mid Term |
| Week 9 | Combined stresses. Biaxial bending. Combine of axial and bending stresses. Combine of normal and shear stresses. Mohr’s circle. | Quiz #5, HW#3 |
| Week 10 | Columns. Euler’s formula for pin-ended columns. Extension of Euler’s formula to columns with other end conditions. Axially loaded steel machine parts. | Quiz #6, HW#4Project 2Discussion Board |
| Week 11 | Connections. AISC standard. Modes of failure of bolted connections. High strength connections. | HW#5 |
| Week 12 | Review |  |
| Week 13 |  | Final Test |