

AEC 205

Final Exam
Review

Chapter 2

- Calculating reactions
- Rigid body (frame) equilibrium
- Resolving a force into its constituent components (horizontal and vertical components)

Chapter 3

- Trusses
- The truss problem on the exam will be extra credit

Chapter 4

- Tributary area

Chapter 5

- Stress calculations
- Strain calculations
- Modulus of Elasticity
 - Know where to find the E value for different materials
 - Review problem 5.2 and 5.3 p. 290

Chapter 6

- Centroid calculation for a section profile
- Moment of Inertia calculation for a section profile
 - Review the associated powerpoints for these problems

Chapter 7

- Shear calculations and diagram
 - Calculation of $V=0$
- Moment calculations and diagram
 - Maximum moment values