

## Final Exam Overview

**Chapters covered:** 1-6, 8-9 in Statics, 7<sup>th</sup> Edition, by Beer & Johnston

<b><u>Breakdown:</u></b> Test #1 material (Ch. 1-2)	≈ 20 %
Test #2 material (Ch. 3-4)	≈ 20 %
Test #3 material (Ch. 6)	≈ 20 %
Test #4 material (Ch. 5&9)	≈ 20 %
New material (Ch. 8)	≈ 20 %

**Format:** Similar to class examples, homework problems, and textbook problems. In general, problems on the final exam will deal with major topics or issues more commonly encountered in the course.

**Hints for success:** Work more problems for preparation.  
Include Free Body Diagrams (FBDs) in your solutions when appropriate.  
Show clear diagrams and all work on the test.

**Materials provided:** Figure 4.1, p. 161 (2D reactions)  
Figure 4.10, p. 193 (3D reactions)  
Figures 5.8A-B, pp. 225-226 (centroids of common shapes of area)  
Figure 5.21, p. 261 (centroids of common shapes of volume)  
Figure 9.12, p. 485 (Moments of inertia of common geometric shapes)  
Figures 9.13A-B, pp. 486-487 (Properties of rolled steel shapes)