

## **Final Exam Overview**

**Chapters covered:** 1-6, 8-10 in Statics, 13<sup>th</sup> Edition, by Hibbeler

<b><u>Breakdown:</u></b> Test #1 material (Ch. 1-3)	≈ 20 %
- No projections of forces using dot products	
Test #2 material (Ch. 4-5)	≈ 20 %
- No couples or equivalent systems	
- No moments along an axis	
Test #3 material (Ch. 6)	≈ 20 %
Test #4 material (Ch. 9-10)	≈ 20 %
- No integration problems	
New material (Ch. 8)	≈ 20 %
- Possible problems include:	
○ Block and plane problem	
○ Wedge problem	
○ Tipping problem (sliding cabinet, for example)	
○ Belt friction	

**Format:** Open-book, open-notes.  
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.