

## **E-344 Section 7: Phase Transformations**

From:

**“Materials Science and Engineering: An Introduction,” 7<sup>th</sup> edition  
by William D. Callister  
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Read sections 7.11, 7.12, and 7.13 on recovery, recrystallization, and grain growth. This process represents one of the simplest examples of the mechanisms and importance of microstructural change.

Read chapter 5 on Diffusion.

Review section 4.6 on surfaces and surface energy.

Read 10.2, 10.3 nucleation and growth.