Report 2 – Phases of Steel

# Due Date: October 11 at the Beginning of Class

Research and then write a report about the different phases/microconstituents of steel. The report should include discussion of the following phases and microconstituents

* Ferrite
* Cementite
* Spheroidite
* Coarse pearlite
* Fine pearlite
* Bainite
* Tempered martensite
* Martensite

Comment on how these phases/microstructures are formed, their structure, their relative mechanical properties, and potential applications. The reports should be between 2 and 3 pages (single spaced) and be well referenced (indicate where you got your information from).

Hardcopies of the report should be handed in on October 11 at the beginning of class in addition to electronic versions submitted via email to MichaelR.Kessler@wsu.edu (note that SafeAssign software may be used to prevent plagiarism and help teach students how to attribute sources).