

CEEN 4316 – Structural Steel Design  
Course Module – Role of Codes in Steel Design

One lecture and one assignment were used to present the role of codes in structural steel design. It should be noted that this course requires the use of the latest edition of AISC's *Steel Construction Manual*.

The lecture in this course module used PowerPoint. The general topic of codes applied during construction and design was introduced. Relationships were drawn between the types of internal loads created in a member and the process for selecting member cross-sections. LRFD and ASD design philosophies were also discussed. PowerPoint is provided.

A reflection assignment encouraged students to watch Dr. Theodore Galambos's presentation on the History of the AISC Specification from 1923-2010 (published on AISC's website). Students were asked to pick one design aspect (for example, effective length in column design) discussed in Dr. Galambos's presentation and summarize how the code provisions had changed over time. Students were also asked to provide a summary for the current version of the code to bridge the gap from 2010.