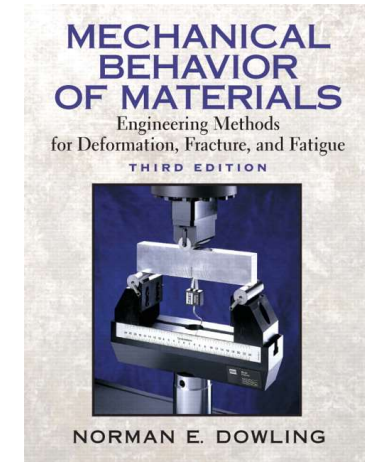


Course reading material – Week 46

Course book

Mechanical Behavior of Materials Engineering Methods for Deformation, Fracture, and Fatigue, Norman E. Dowling

- Section: 12.2, 12.5, 13.5-13.6, 14



Optional reading material given in MyCourses webpages

- Kujawski, D; Teo J. A generalization of Neuber's rule for numerical application, 2nd International Conference on Structural integrity, September 2017
- Glinka G. Calculation of inelastic notch-tip strain-stress histories under cyclic loading, Engineering Fracture Mechanics, 1985, 22:839-854.
- Lee, K-S; Song, J-H. Estimation methods for strain-life fatigue properties from hardness, International Journal of Fatigue, 2006, 28:386-400
- Roessle, M.L. ; Fatemi, A. Strain-controlled fatigue properties of steels and some simple approximations, International Journal of Fatigue, 2000, 22:495-511.
- Example 1: Hysteresis loop analysis using Ramberg-Osgood stress-strain curve
- Example 2: Application of Neuber rule