

Pensum GEOV357 Spring 2014

Main textbook

Reiter, L. (1990): Earthquake Hazard Analysis: Issues and Insights. Columbia University Press, New York, USA. 254p.

Supplementary reading

Kramer, S.L. (1996): Geotechnical Earthquake Engineering. Prentice Hall, New Jersey, USA. 653p.

Chapter 6: Dynamic soil properties

Chapter 7: Ground response analysis

Chapter 8: Local site effects in design ground motion

Walpole, R.E., Myers, R.H. and Myers, S.L. (1998): Probability and Statistics for Engineers and Scientists, Prentice Hall, New Jersey, USA. 738p.

Chapter 2: Probability

Chapter 3: Random variables and probability distributions

Chapter 5: Some discrete probability distributions

Chapter 6: Some continuous probability distributions

Cornell, C.A. (1968): Engineering seismic risk analysis, Bulletin of the Seismological Society of America, 58(5), 1583-1606.

McGuire, R.K. (1993): Computations of seismic hazard, Annali di Geofisica, XXXVI (3-4), 181-200.