

COURSE CODE: STERQUA

COURSE TITLE: EARTHQUAKE ENGINEERING

DEPARTMENT: CIVIL ENGINEERING

TEXTBOOK:

- National Structural Code of the Philippines, Volume 1 (Buildings, Towers and Other Vertical Structures), ASEP, 2015
- Mario Paz, Structural Dynamics (Theory and Computation), Van Nostrand Reinhold Company
- Chopra, Dynamics of Structures
- Smith and Petley, Environmental Hazards (5<sup>th</sup> Ed), Routledge, 2009
- Punongbayan & Tayag, Living Safely with Natural Hazards, Mary Jo Publishing, 1999
- Ambrose & Vergun, Design for Earthquakes, Wiley & Sons, 1999
- Bruce Bolt, Earthquakes, Freeman & Co.
- Kelly et al. Seismic Isolation for Designers and Structural Engineers, NICEE, 2010

READING LIST:

YouTube Videos – listed in the syllabus

Lectures Notes to be shared during classes

REQUISITE EQUIPMENT/MATERIALS FOR THE COURSE: NA