



! School of Civil and Environmental Engineering
 ! Term 2, 2020
 ! **CVE 4202 ADVANCED IC**
 ! **ENGINEERING**
 !

COURSE DETAILS

Units of Credit 1
Contact hours 20
Class - 63.04564.4B63.04531.76147.5257BT420C

COURSE DESCRIPTION

This course covers the design of structures subjected to seismic loads. The course includes the analysis and design of reinforced concrete, steel, and masonry structures. Topics include seismic hazard assessment, response spectrum analysis, and nonlinear time history analysis. The course also covers the design of seismic resistant structures and the evaluation of existing structures for seismic performance.

COURSE PROGRAM

Term 2 2020

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RELEVANT RESOURCES

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Appendix A: Engineering Accreditation (EA) Competencies

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PE1: Knowledge and Skill Base