



Jordan University of Science and Technology
Faculty of Engineering
Civil Engineering Department

CE902 Theory Of Elasticity
First Semester 2024-2025

Course Catalog
3 Credit Hours. Development, formulation, and application of field equations of elasticity and variational principles for structural applications in Civil Engineering. Use of plane stress and plane strain formulation, solution of typical boundary value problems. Three-dimensional elasto-statics.
Teaching Method: On Campus

Text Book	
Title	Elasticity: theory, applications, and numerics, Martin H. Sadd, Second Edition, Academic Press, 2009.
Author(s)	Martin H. Sadd
Edition	2nd Edition
Short Name	Sadd Book
Other Information	

Class Schedule & Room

Mapping of Course Outcomes to Program Outcomes	Course Outcome Weight (Out of 100%)	Assessment method
CLO	100%	

Evaluation	
Assessment Tool	Weight
First	25%
Second	25%

Final	50%
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