Finite Element Analysis I

0540.6408
Semester B, 2018–19

url: http://www.eng.tau.ac.il/~harari/Courses/Methods/

Class Tuesday 15–18, Wolfson 120

Instructor Isaac Harari
Office: Wolfson 225, (640-)9439
Hours: Tuesday, 14–15 (or by appointment)
e-mail: harari@eng.tau.ac.il, url: http://www.eng.tau.ac.il/~harari/

Topics Linear, static finite element analysis:
Basic concepts, simple model.
Formulation of finite element equations.
Interpolation, isoparametric elements, element matrices.
Computer implementation, data processing arrays.
Mathematical theory, error estimates.
Mixed problems, reduced and selective integration.

Book

References

Grading
Homework problems (to final) 0%
Computer assignments (required) 0%
Project (50%)
Final 100% (17/6/19, 14:00)