

Syllabus for Course 14.350, Structural Analysis**Fall 2015**

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Required Text: Connor, J. J., and Faraji, S., *Fundamentals of Structural Engineering* (Springer, 2012)

Topics**Reading**

Introduction to Structural Engineering	Ch.1
Statically Determinate Truss Structures	Ch. 2
Statically Determinate Beams	Ch. 3
Statically Determinate Frames	Ch. 4
Cables	Ch. 5
Indeterminate Trusses, Beams, and Frames	Handouts

Objectives:

The overall objective of this course is to provide an introductory study of the analysis of structures such as trusses, beams, cables and frames. The study is done using the classical methods of structural analysis and the GTSTRUDAL computer software.

Grading:

Exam #1	20 %
Exam #2	20 %
Final Exam	30 %
Homework Assignments	10 %
Computer Assignments	20%