

# Structural Analysis - I

- Instructor : Hae Sung Lee, Professor
  
- **Text book and Reference**
  1. Structural Analysis - Classical and Matrix Approach by Jack C. McCormac and R. E. Elling
  2. Elementary Structural Analysis 4th Ed. by C. H. Norris
  3. Statically Indeterminate Structures by Chu-Kia Wang
  
- **Class Contents**
  1. Introduction of Structural Analysis (1)
  2. Types of Structures and Supports (1-2)
  3. Free-Body Diagram (3)
  4. Forces and Moments and Their Diagrams (3-4)
  5. Analysis of Various Statically-Determinate Structures (4-6)
  6. Influence Lines (7-8)
  7. Virtual Work Principles and Other Energy Principles (9-12)
  8. Introduction of Statically Indeterminate Structures (12)
  9. Force Method for the Analysis of Statically-Indeterminate Structures (13-16)
  
- **Evaluation**

2 Mid Term Exams	:	40 %
Final Exams	:	30 %
Home work and attendance	:	30 %

\* All information presented here may be changed as needed by the instructor.