

# 구조역학 - I

## Structural Analysis - I

2017 년 봄학기

- 담당교수 및 조교

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- 교 재

1. Class notes (will be posted at the web site in due course)
2. Structural Analysis - Classical and Matrix Approach by Jack C. McCormac and R. E. Elling
3. Elementary Structural Analysis 4th Ed. by C. H. Norris
4. Statically Indeterminate Structures by Chu-Kia Wang

- 강의 내용

1. Introduction of Structural Analysis (1)
2. Types of Structures and Supports (1)
3. Free-Body Diagram (2)
4. Forces and Moments and Their Diagram (2-3)
5. Analysis of Various Statically-Determinate Structures (4-5)
6. Virtual Work Principles and Related Issues (6-8)
7. Introduction of Statically Indeterminate Structures (9)
8. Flexibility for Analyzing Statically-Indeterminate Structures (10-13)
9. Influence Lines (14-16)



- 평 가

- 중간 고사 2 회 : 40 % (April 10, May 15)  
기말 고사 : 30 % (4:00 - 7:00<sup>PM</sup>, June 14)  
숙제, 출석, 기타: 30 %