Hi, Folks !
Welcome to
Theory of Elasticity

(1993~2022)

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Structural Analysis Lab, Dept. of Civil and Environmental Eng.

Seoul National University

Spring Semester, 2022

(The last class at SNU)

Who's who ?

- Instructor : 이 해 성
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- TA : 김수민 (35-210/8314)
- 수업 시간 : 월 11:00 - 12:15
  수 11:00 - 12:15
  COVID-19이 안정되면 대면 수업으로 전환

Text & Other Tools

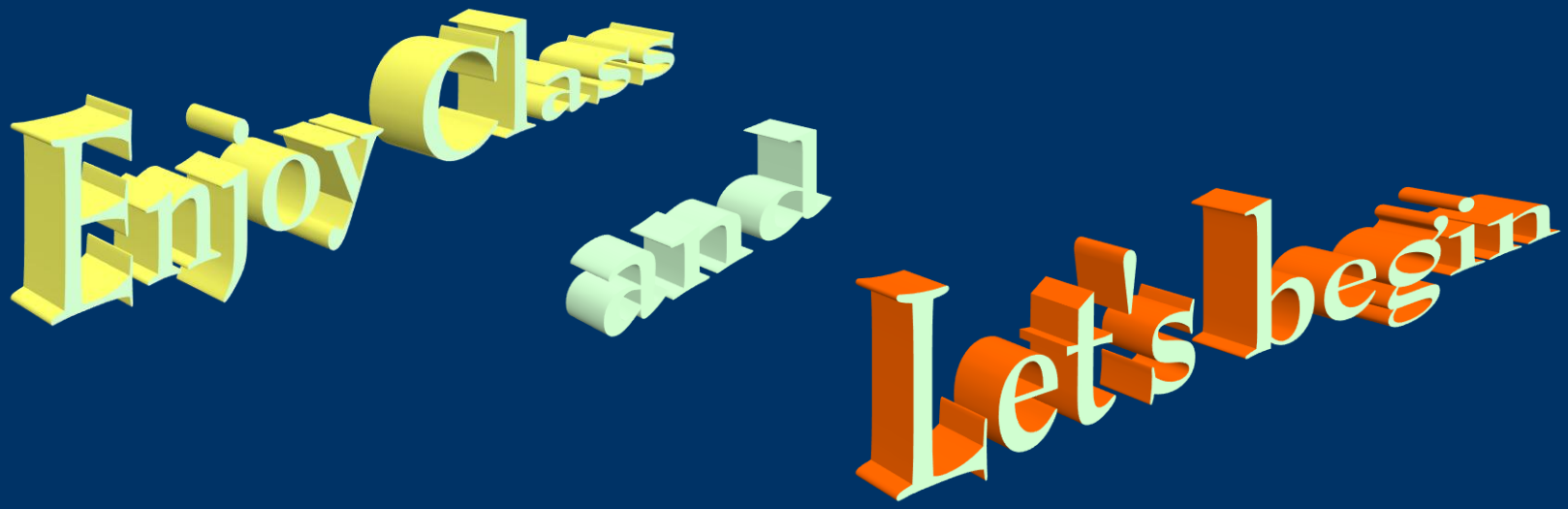
- Text
  - **Class note by Instructor**
- References
  - A First course in Continuum Mechanics by Y. C. Fung, 3rd Edition
  - Theory of Elasticity by Timoshenko and Goodier, 3rd. Edition
  - Foundations of Solid Mechanics by C. Y. Fung
  - Introduction to the mechanics of a continuous media by L. E. Malvern

Class Contents

1. Introduction of Elasticity (1)
2. Stress and Equilibrium (2-3)
3. Strain, Deformation and Compatibility (4-5)
4. Constitutive Equation (6)
5. Two-dimensional Problems - Plane Stress and Plane Strain (7-8)
6. Plane Problems in Polar Coordinate system (9-10)
7. Torsion (11-12)
8. Beam Problems (13-14)
9. Energy Method (15, optional)

Evaluation

- Mid Term Exam (April 11, 100 minute) : 25 %
- Final Exam (June 13, 3-hour exam) : 40 %
- Home work and attendance : 20/15 %



✓ **All grades including C, D, F are possible.**

✓ **The final grade of F will be given if any cheating is found in exams or home works.**

✓ **Final grades are final. Absolutely no chance to alter them by any excuse.**