LECTURE #1

Lecture #1: Introduction to Experimental Methods in Structural Engineering

Introduction of course contents and administrative issues:

1) Introduction of basic subjects
2) Introduction to topics
3) Introduction to resources available and required for the course
4) Introduction of class policies and requirements
5) Grading
6) Visit of facilities virtual and physical
7) Safety instruction – lab visit component

Topics covered:

Importance of Experimental Methods
   Backbone to Modern Applied Science and Engineering
   Basic Skills as an Engineer
   Necessary Measures as a Researcher
Overview of this Course
   Objectives
   Methods for how to learn this Course
Philosophy of Measurement & Experimental Testing
   Theory vs. Practice
   Quality vs. Quantity
   Concept of Convolution and Filtering
   Details and Generality
   Testing,: Verification vs. Discovery

Notes:

References
Office Hours
Homework, Exam and Projects, Grading Policy
Safety rules and duties of experimentalist

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