Course no.	457.201	Lecture No.	001	Course title	Mechanics of Materials and Lab.	Credit	3

Instructor	Name : Juhyuk Moon (Assistant Prof.)	Homepage : moonslab.weebly.com
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Purpose of Course	Mechanics of material is fundamental knowledge for civil and environmental engineering students. It includes behavior of a object under various forces, resultant force from diverse loading condition and simple material design concept. This lecture is prerequisite for other advanced structure related courses in civil and environmental engineering.

Materials and Reference	Mechanics of Materials, Barry J. Goodno, James M. Gere, 9th Ed.

Evaluation Method	Attendance	Task	Midterm	Final	Attitude	Other	Total
	10%	20%	40%	30%	%	%	100%
	Info.	- Homework: 12-15 problems in each chapter					

Others	This lecture follows general guideline of university regarding any violation or cheating activities and attendeancy policy.

	Week	Content
Lecture plan	1	Chapter 1: Material properties
	2	Chapter 1: Material properties
	3	Chapter 2: Compression members
	4	Chapter 3: Torsion
	5	Lab#1 activity Chapter 3: Torsion
	6	Midterm 1 Chapter 4: Shear and bending moment
	7	Chapter 4: Shear and bending moment Chapter 5: Normal stress in Beam
	8	Chapter 5: Normal stress in Beam Chapter 6: Shear stress in Beam Lab#2 activity
	9	Chapter 7: Stress and strain
	10	Chapter 8: Plane stress Midterm 2
	11	Chapter 9: Deflection of beams
	12	Chapter 9: Deflection of beams Chapter 11: Columns Lab#3 activity
	13	Chapter 11: Columns
	14	Chapter 11: Columns Chapter 12: Section properties
	15	Final on June 14th
	16	End of lecture